

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	September					October					November					December					January
						7	03	10	17	24	01	08	15	22	29	05	12	19	26	03	10	17	24	31	07	
YL Effluent Polishing Plant - Main Works Stage 1 - Detailed Works Programme DPv30 draft v2																										
Contract Data Part 1																										
Access Dates																										
ADWA2	Work Area WA2 (sd) (new site possession) validity for 12 months and subject to renewal	757	2021/03/05 A	2024/02/22*	0																					
Environmental Constraints																										
NMM-2165	PS 1.105A Noise Mitigation Measures 2023-2024	152	2023/11/01*	2024/03/31	0																					
Planned Completion																										
Compensation Events																										
CE262	Implementation of Compensation Event (CE) No. 262 - Weather conditions affecting the site in Mar 2023	0		2023/08/16 A		of Compensation Event (CE) No. 262 - Weather conditions affecting the site in Mar 2023																				
CE269	Implementation of Compensation Event (CE) No. 262 - Weather conditions affecting the site in Apr 2023	0		2023/08/16 A		of Compensation Event (CE) No. 262 - Weather conditions affecting the site in Apr 2023																				
CE298	Implementation of Compensation Event (CE) No. 262 - Weather conditions affecting the site in May 2023	0		2023/08/22 A		Implementation of Compensation Event (CE) No. 262 - Weather conditions affecting the site in May 2023																				
Preliminary and Preparation Works																										
Subletting																										
SUB-270	Subletting for ELS works for IW, PST, SDB, STB, SD, MBB, TTB, underpass and open cut for admin. bldg	312	2021/10/12 A	2023/10/30	-193	Subletting for ELS works for IW, PST, SDB, STB, SD, MBB, TTB, underpass and op																				
SUB-380	Subletting for Sheet piling works for remaining areas	333	2021/10/12 A	2023/12/11	245	Subletting for Sheet piling works																				
SUB-280	Subletting for RC works for IW, PST, SDB, STB, SD, Biogas holder, underpass and admin. bldg	256	2021/11/29 A	2023/11/12	-248	Subletting for RC works for IW, PST, SDB, STB, SD, Biogas holder,																				
SUB-350	Subletting for Waterproofing membrane and protection board	300	2021/11/29 A	2023/11/04	-15	Subletting for Waterproofing membrane and protection board																				
SUB-360	Subletting for Rebar fixing	86	2021/11/29 A	2023/11/30	-248	Subletting for Rebar fixing																				
SUB-310	Subletting for Utilities Corridor ELS	60	2022/08/08 A	2023/11/09	-85	Subletting for Utilities Corridor ELS																				
SUB-290	Subletting for ABWF works for IW, PST, SDB, STB, MBR, TTB and admin. bldg	60	2023/08/01 A	2023/11/29	-197	Subletting for ABWF works for IW, PST, SDB, S																				
SUB-300	Subletting for RC works for MBR and TTB	60	2023/12/06	2024/02/03	-32																					
SUB-340	Subletting for Drainage, Sewage & waterworks	90	2023/12/06	2024/03/04	-32																					
Design Submission																										
Temporary Works Design																										
Mainstream Bio-Reactor System																										
TWD-250	ELS - Obtain Approval	7	2023/08/23 A	2023/10/20	189	ELS - Obtain Approval																				
Sludge Thickening Building																										
One-stage design																										
TWD-210	ELS - Obtain Approval	7	2022/12/10 A	2023/10/22	2	ELS - Obtain Approval																				
Tertiary Treatment System																										
TWD-170	ELS - Obtain Approval	7	2022/12/30 A	2023/10/25	-193	ELS - Obtain Approval																				
Sludge Digester 1-3 & Utilities Corridor																										
TWD-370	ELS - Obtain Approval	7	2022/12/21 A	2023/10/22	-174	ELS - Obtain Approval																				
Modification of Existing Emergency Bypass Chamber																										
TWD-670	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)	14	2023/07/08 A	2023/10/17	-135	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)																				
TWD-680	ELS - Obtain Approval	7	2023/10/18	2023/10/24	-135	ELS - Obtain Approval																				
Modification of Existing Inspection Chamber & Inlet Effluent Pipes from NSWSPS																										
TWD-700	ELS - Prepare & Submission for PM's review	45	2022/10/26 A	2023/10/07	-106	ELS - Prepare & Submission for PM's review																				
TWD-710	ELS - Review by PM's & ICE review (28 d + 7d)	35	2023/10/08	2023/11/11	-106	ELS - Review by PM's & ICE review (28 d + 7d)																				
TWD-720	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)	14	2023/11/12	2023/11/25	-106	ELS - Resubmission for PM's & ICE review (7d prep																				
TWD-730	ELS - Obtain Approval	7	2023/11/26	2023/12/02	-106	ELS - Obtain Approval																				
Temporary pipework between PST Stage 1 and A-Tank Inlet [Temporary pumping system]																										
TWD-750	Hydraulic design - Prep(45d), Sub.&Review(30d), Comment&Resub (14d) & Approval (7d)	96	2023/09/14 A	2023/10/31	-198	Hydraulic design - Prep(45d), Sub.&Review(30d), Comment&Resub (14d) & Appro																				
TWD-760	Civil structure design - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	31	2023/10/01	2023/10/31	-198	Civil structure design - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & A																				
TWD-770	ELS - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	31	2023/10/01	2023/10/31	-198	ELS - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)																				
Temporary pumping and pipeworks between existing Detritor and PST Stage 1 [Temp. pumping system]																										
TWD-780	Hydraulic design - Prep(45d), Sub.&Review(21d), Comment&Resub (14d) & Approval (7d)	96	2023/08/01 A	2023/10/24	-202	Hydraulic design - Prep(45d), Sub.&Review(21d), Comment&Resub (14d) & Approval (7d)																				
TWD-790	Civil structure design - Prep(45d), Sub.&Review(21d), Comment&Resub (14d) & Approval (7d)	96	2023/08/01 A	2023/10/24	-202	Civil structure design - Prep(45d), Sub.&Review(21d), Comment&Resub (14d) & Approval (7d)																				
TWD-800	ELS - Prep(45d), Sub.&Review(30d), Comment&Resub (14d) & Approval (7d)	24	2023/10/01	2023/10/24	-202	ELS - Prep(45d), Sub.&Review(30d), Comment&Resub (14d) & Approval (7d)																				
Temporary Working Platform at ELS																										
Temporary Working Platform at AGS ELS																										
TWD-910	Temp. Working Platform - AGS ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)	14	2023/05/06 A	2023/10/16	-203	Temp. Working Platform - AGS ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)																				
TWD-920	Temp. Working Platform - AGS ELS - Obtain Approval	7	2023/10/17	2023/10/23	-203	Temp. Working Platform - AGS ELS - Obtain Approval																				
Temporary Working Platform at TTS ELS																										
TWD-950	Temp. Working Platform - TTS ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)	14	2023/04/17 A	2023/10/16	-211	Temp. Working Platform - TTS ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)																				
TWD-960	Temp. Working Platform - TTS ELS - Obtain Approval	7	2023/10/17	2023/10/23	-211	Temp. Working Platform - TTS ELS - Obtain Approval																				
Temporary diversion scheme for Early commissioning of SD, BH1, H2S and STB																										



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

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

Monthly Progress Report No. 35 - 3MRP (Sep 2023)

Project ID : DWPr30_231016v2
 Layout : DC201910 MPR35-3MRP
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Monthly Progress Report - 3MRP			
Date	Revision	Checked	Approved
30-Sep-23	Rev. 0		

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	September					October				November				December				January	
						35					36				37				38				39	
						7	03	10	17	24	01	08	15	22	29	05	12	19	26	03	10	17	24	31
TWD-970	Temp. pipe. for BH1 Early Comm.-Prep(90d),Sub.&Review(30d) Comment&Resub(14d)&Approval(7d)	141	2023/06/30 A	2023/12/18	-22	Temp. pipe. for BH1 Ea																		
TWD-1010	Temp. pipe. for SD1-2 Early Comm.-Prep(90d),Sub.&Review(30d) Comment&Resub(14d)&Approval(7d)	141	2023/10/20	2024/03/08	37																			
Contractor's Permanent Works Design (include ATAL)																								
AIP																								
Package 3A - Plant Service Water																								
AIP-520	E&M AIP Report for Plant Service Water - Resubmission for further review	45	2021/12/20 A	2023/10/30	17	E&M AIP Report for Plant Service Water - Resubmission for further review																		
AIP-530	E&M AIP Report for Plant Service Water - Obtain Approval	7	2023/10/31	2023/11/06	17	E&M AIP Report for Plant Service Water - Obtain Approval																		
Package 23A - Security, Public Address and Communication System																								
AIP-960	SPC - Review by PM's & ICE review (28 d + 7d)	45	2023/04/19 A	2023/10/16	-49	SPC - Review by PM's & ICE review (28 d + 7d)																		
AIP-970	SPC - Resubmission for further review	45	2023/10/17	2023/11/30	-49	SPC - Resubmission for further review																		
AIP-980	SPC - Obtain Approval	13	2023/12/01	2023/12/13	-49	SPC - Obtain Approval																		
DDA																								
Package 2 - Tertiary Treatment System																								
DDA-170	Civil Req. for TTS (Foundation design) - Prepare(27d), Sub. & Review(45d),Comment & Resub.(14d), GEO(28d)&Approval (7d)	121	2021/06/13 A	2023/10/23	-40	Civil Req. for TTS (Foundation design) - Prepare(27d), Sub. & Review(45d),Comment & Resub.(14d), GEO(28d)&Approval (7d)																		
DDA-150	Foundation for TTS - Prepare (90d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d), GEO (28d)	213	2021/10/08 A	2023/11/17	-62	Foundation for TTS - Prepare (90d), Sub. & Review(45d),Co																		
DDA-180	Civil Req. for TTS (Superstruct. design) - Prepare (147d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	213	2021/10/11 A	2023/10/23	64	Civil Req. for TTS (Superstruct. design) - Prepare (147d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)																		
DDA-200	Mechanical for TTS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	213	2021/12/31 A	2023/11/24	208	Mechanical for TTS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)																		
DDA-210	Electrical& Control for TTS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	213	2021/12/31 A	2023/11/24	208	Electrical& Control for TTS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)																		
DDA-140	Architectural for TTS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	126	2022/11/17 A	2024/01/22	35	Architectural for TTS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)																		
DDA-160	Civil & Structural for TTS - Prepare (120d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	177	2022/11/17 A	2024/01/22	-131	Civil & Structural for TTS - Prepare (120d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)																		
DDA-220	Building Services (BS) for TTS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	199	2023/10/31*	2024/05/16	34	Building Services (BS) for TTS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)																		
Package 3 - Mainstream Bio-Reactor System																								
DDA-260	Civil Req. for MBS-AGS (Foundation design) - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	126	2021/06/09 A	2023/10/23	47	Civil Req. for MBS-AGS (Foundation design)- Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)																		
DDA-280	P&ID for MBS (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	126	2021/10/08 A	2023/11/11	237	P&ID for MBS (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)																		
DDA-290	Mechanical for MBS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	126	2021/10/08 A	2023/12/18	237	Mechanical for MBS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)																		
DDA-300	Electrical& Control for MBS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	405	2021/10/08 A	2023/11/24	261	Electrical& Control for MBS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)																		
DDA-270	Civil Req. for MBS-AGS (Superstruct. design) - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	126	2022/03/01 A	2023/10/23	47	Civil Req. for MBS-AGS (Superstruct. design) - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)																		
DDA-240	Foundation for MBS - Prepare (97d), Sub. & Review(45d) ,Comment & Resub.(14d),GEO (28d)& Approval (7d)	230	2022/03/18 A	2024/01/08	-32	Foundation for MBS - Prepare (97d), Sub. & Review(45d) ,Comment & Resub.(14d),GEO (28d)& Approval (7d)																		
DDA-250	Civil & Structural for MBS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	170	2023/01/20 A	2024/01/27	47	Civil & Structural for MBS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)																		
DDA-1530	VCAB for AGS&TTS - Prepare (30d), Sub. & Review(30d)	204	2023/06/16 A	2024/02/28	171	VCAB for AGS&TTS - Prepare (30d), Sub. & Review(30d)																		
DDA-310	Building Services (BS) for MBS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	122	2023/10/30*	2024/02/28	165	Building Services (BS) for MBS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)																		
Package 5A - Master Water Meter Room																								
DDA-360	Foundation for Master WM Room- Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d),GEO(28d) & Approval (7d)	154	2022/02/15 A	2023/12/16	110	Foundation for Master WM Room- Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d),GEO(28d) & Approval (7d)																		
DDA-370	Civil & Struct. for WM Room- Prepare (90d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	156	2022/04/15 A	2023/12/16	110	Civil & Struct. for WM Room- Prepare (90d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)																		
DDA-380	General Arrangement & Civil Req. for MWMC - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	100	2023/04/14 A	2023/12/16	110	General Arrangement & Civil Req. for MWMC - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)																		
DDA-390	P&ID for MWMC - MBS (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	64	2023/06/26 A	2024/06/05	782	P&ID for MWMC - MBS (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)																		
DDA-400	Mechanical for MWMC - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	220	2023/10/30*	2024/06/05	902	Mechanical for MWMC - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)																		
Package 5B - Plant Service Water (PSW)																								
DDA-1050	Civil Requirement Drawings - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	126	2021/06/12 A	2023/12/16	37	Civil Requirement Drawings - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)																		
DDA-1040	Piping & Instrumentation Diagram (P&ID) - Prep(30d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)	220	2023/06/26 A	2024/06/05	14	Piping & Instrumentation Diagram (P&ID) - Prep(30d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)																		
DDA-1060	Electrical & Control for PSW - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	220	2023/10/30	2024/06/05	14	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)	220	2023/10/30*	2024/06/05	14	Mechanical for PSW - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)																		
Package 6 - Sludge Thickening Chemical and Dosing System																								
DDA-1120	P&ID for STCDS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	335	2021/08/14 A	2024/02/28	293	P&ID for STCDS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)																		
DDA-430	Found. for STCS,WasteGasBurner & Guard Hse- Prepare(60d),Sub.&Review(45d),Comment & Resub.(14d),GEO(28d) & Approval (7d)	96	2021/11/09 A	2024/01/29	705	Found. for STCS,WasteGasBurner & Guard Hse- Prepare(60d),Sub.&Review(45d),Comment & Resub.(14d),GEO(28d) & Approval (7d)																		
DDA-440	Civil & Struct. for STCS, WGB & Guard Hse - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	250	2021/11/09 A	2024/01/29	24	Civil & Struct. for STCS, WGB & Guard Hse - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)																		
DDA-440B	Civil Req. for STCDS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	300	2021/11/15 A	2023/12/30	353	Civil Req. for STCDS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)																		
DDA-1130	Mechanical for STCDS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	340	2021/11/16 A	2024/02/28	644	Mechanical for STCDS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)																		
DDA-1140	Electrical & Control for STCDS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	315	2021/11/30 A	2023/11/01	644	Electrical & Control for STCDS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)																		
DDA-1520	Mechanical Ventilation and Air conditional System Design for Sludge Thickening Building (STB)	320	2022/06/16 A	2024/03/30	302	Mechanical Ventilation and Air conditional System Design for Sludge Thickening Building (STB)																		
DDA-1510	Plumbing and Drainage System Design for Sludge Thickening Building (STB)	320	2022/07/07 A	2024/03/30	302	Plumbing and Drainage System Design for Sludge Thickening Building (STB)																		
DDA-1500	Fire Services Design for Sludge Thickening Building (STB)	320	2022/07/08 A	2024/03/30	302	Fire Services Design for Sludge Thickening Building (STB)																		
DDA-1150	Building Services for STCDS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	126	2022/10/24 A	2024/03/30	644	Building Services for STCDS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)																		



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

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

Monthly Progress Report No. 35 - 3MRP (Sep 2023)

Project ID : DWPr30_231016v2
Layout : DC201910 MPR35-3MRP
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Monthly Progress Report - 3MRP			
Date	Revision	Checked	Approved
30-Sep-23	Rev. 0		

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	September					October				November				December				January
						35					36				37				38				39
						7	03	10	17	24	01	08	15	22	29	05	12	19	26	03	10	17	24
Package 7 - CLP Substation and 11kV Switchgear House																							
DDA-480	UPS System for CLPSub.&11kV Switchgear Hse - Prepare (102d), Sub. & Review.(45d),Comment & Resub.(14d)&Approval (7d)	168	2021/06/03 A	2023/10/30	-129																		
Package 9 - Inlet Work (IW)																							
DDA-1190	Mechanical for Inlet Work - Prepare (28d), Sub. & Review.(28d) ,Comment & Resub.(14d) & Approval (7d)	120	2021/08/09 A	2023/10/30	-27																		
DDA-1200	Electrical & Control for Inlet Work - Prepare (28d), Sub. & Review.(28d) ,Comment & Resub.(14d) & Approval (7d)	120	2021/10/30 A	2023/10/30	-48																		
DDA-1210	Building Services for Inlet Work - Prepare (28d), Sub. & Review.(28d) ,Comment & Resub.(14d) & Approval (7d)	76	2022/03/30 A	2023/10/30	-48																		
Package 10 - Primary Sedimentation Tank (PST)																							
DDA-1240	Mechanical for PST - Prepare (46d), Sub. & Review.(30d) ,Comment & Resub.(14d) & Approval (7d)	120	2021/06/01 A	2023/10/30	704																		
DDA-1250	Electrical & Control for PST - Prepare (28d), Sub. & Review.(28d) ,Comment & Resub.(14d) & Approval (7d)	48	2021/08/31 A	2023/10/30	704																		
DDA-1260	Building Services for PST - Prepare (28d), Sub. & Review.(28d) ,Comment & Resub.(14d) & Approval (7d)	90	2021/10/01 A	2023/10/30	704																		
Package 11 - Control and Monitoring System																							
DDA-580	Power Quality & Energy Management System (PQEMS) - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)	130	2021/10/02 A	2023/12/30	54																		
DDA-550	Supervisory Control&Data Application (SCADA) System - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)	238	2023/04/24 A	2023/11/24	23																		
DDA-1270	Gas Detection System - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)	91	2023/05/08 A	2023/10/31	23																		
DDA-560	Computerised Maintenance Mangement System (CMMS) - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)	427	2023/11/01	2024/12/31	23																		
DDA-570	Information and Document mangement System (IDMS) - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)	427	2023/11/01	2024/12/31	23																		
DDA-1280	Data Collection, Management, Analysis, & Model System - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)	427	2023/11/01	2024/12/31	23																		
Package 12 - Chemical System for STB																							
DDA-650	Chemical System for Sludge Thickening Building (STB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	181	2023/10/01	2024/03/29	263																		
Package 13 - Pipework System																							
DDA-660	Pipeworks System for Sludge Thickening Building (STB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	126	2023/10/01	2024/02/03	352																		
DDA-1030	Pipeworks System for Sludge Digesters - Prep(60d),Sub.&Review(45d),Comment&Resub (14d) &Approval (7d)	126	2023/10/01	2024/02/03	45																		
Package 14 - Sludge Anaerobic Digestion System (SDT)																							
DDA-1320	Electrical & Control for SDT & UC/PP - Prepare (55d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	460	2021/07/02 A	2024/03/30	-11																		
DDA-1310	Mechanical for SDT & UC/PP - Prepare (47d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	460	2021/07/10 A	2024/03/30	-11																		
DDA-1340	Civil Req. Drawing for UC/PP - Prepare (47d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	580	2021/07/10 A	2023/11/23	-11																		
DDA-1330	Building Services for SDT & UC/PP - Prepare (56d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	181	2023/05/02 A	2024/03/30	-11																		
Package 15 - Biogas H2S Removal, Storage and Delivery System																							
DDA-1350	Civil Req. Drawing for Biogas Storage&Delivery System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)	78	2021/08/31 A	2023/10/09	-187																		
DDA-1370	Mechanical for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)	78	2021/10/05 A	2023/11/08	-78																		
DDA-1400	Civil Req. Drawing for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)	78	2021/12/07 A	2023/11/08	-87																		
DDA-1390	Building Services for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)	137	2023/05/31 A	2023/12/30	-78																		
DDA-1380	Electrical & Control for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)	105	2023/09/25 A	2023/12/30	-87																		
Package 16 - Deodorization Unit System																							
DDA-1420	Mechanical for DOU No. 1 - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)	78	2022/03/04 A	2023/10/24	32																		
DDA-1440	Mechanical for DOU No. 3 - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)	300	2022/07/17 A	2023/10/31	450																		
DDA-1430	Mechanical for DOU No. 2A and 2B - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)	122	2023/10/01	2024/01/30	359																		
Package 17 - Sludge Dewatering Building (SDB)																							
DDA-910	Roof Rainwater Collection Systemfor (SDB) - Prep(60d), Sub.&Review(45d), Comment&Resub (21d) & Approval(7d)	265	2023/10/31	2024/07/21	220																		
DDA-920	Fire Services System for SDB - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	394	2023/10/31	2024/11/27	220																		
DDA-930	Mechanical for Sludge Dewatering Building (SDB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	394	2023/10/31	2024/11/27	534																		
DDA-940	Plumbing System for Sludge Dewatering Bldg (SDB) - Prep(60d), Sub.&Review(45d), Comment&Resub(14d) & Approval (7d)	394	2023/10/31	2024/11/27	534																		
DDA-950	BS for Sludge Dewatering Building (SDB) - Prep(118d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	394	2023/10/31	2024/11/27	220																		
Package 20 - Trellis																							
DDA-720	Civil & Structural for Trellis - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	207	2023/10/01	2024/04/24	673																		
Package 21 - Steel Working Platform																							
DDA-730	Civil & Structural for Steel Working Platform - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	102	2023/11/18	2024/02/27	730																		



- Remaining Level of Eff...
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Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	September					October					November					December					January
						35					36					37					38					39
						7	03	10	17	24	01	08	15	22	29	05	12	19	26	03	10	17	24	31	07	
Package 22 - Sampling System of YLEPP																										
DDA-740	Sampling System for IW&PST - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	62	2023/07/07 A	2023/12/01	-192	Sampling System for IW&PST - Prep(60d), S																				
DDA-1630	Sampling System for STB - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	128	2023/11/01	2024/03/07	-11																					
DDA-1610	Sampling System for AGS&T TB - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	127	2023/11/25	2024/03/30	-11																					
DDA-1620	Sampling System for SDT - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	127	2023/11/25	2024/03/30	-11																					
Package 23 - Security, Public Address and Communication System																										
DDA-750	SPC sitewide ACS - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	98	2023/06/21 A	2023/12/06	-50	SPC sitewide ACS - Prep(60d) Sub. &																				
Design out of ATAL's Scope																										
DDA-1540	Drainage systems at base slab / foundation levels - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	126	2023/10/01	2024/02/03	376																					
DDA-1560	Street fire hydrant system - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	126	2023/10/01	2024/02/03	342																					
Technical Submission																										
Factory Acceptance Test Plans																										
SUBM-1110	Submit/review/approval Factory Acceptance Test Plans - Disc filter system	120	2023/10/01	2024/01/28	-25																					
SUBM-1130	Submit/review/approval Factory Acceptance Test Plans - SCADA system	120	2023/10/01	2024/01/28	-70																					
Operation and Maintenance (O&M) Manuals and Installation Manuals (PS 34.20(11)(12)(13))																										
Inlet Works and Primary Sedimentation Tank																										
SUBM-1070	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft	60	2023/01/05 A	2023/10/31	-96	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installati																				
SUBM-1200	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - revised draft	60	2023/11/01	2023/12/30	-67	Submit/r																				
AGS and TTS system																										
SUBM-1220	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft	60	2023/11/01	2023/12/30	187	Submit/r																				
Sludge Thickening System																										
SUBM-1250	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft	60	2023/11/01	2023/12/30	625	Submit/r																				
Sludge Disgestion System																										
SUBM-1310	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft	60	2023/11/01	2023/12/30	-96	Submit/r																				
Biogas H2S Removal System																										
SUBM-1280	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft	60	2023/11/01	2023/12/30	-96	Submit/r																				
Commissioning Plan and Procedures (PS34.20(10))																										
SUBM-1080	Employment of HOKLAS laboratory for commissioning test	60	2022/05/23 A	2023/11/19	-56	Employment of HOKLAS laboratory for commissioning test																				
SUBM-1000	Submit/review/approval Commissioning Plan and Procedures - Early commissioning of IW&PST (KD3)	120	2023/11/20	2024/03/18	-56																					
SUBM-1020	Submit/review/approval Commissioning Plan and Procedures - AGS	120	2023/11/20	2024/03/18	146																					
SUBM-1030	Submit/review/approval Commissioning Plan and Procedures - TTS	120	2023/11/20	2024/03/18	561																					
SUBM-1040	Submit/review/approval Commissioning Plan and Procedures - STB	120	2023/11/20	2024/03/18	606																					
SUBM-1050	Submit/review/approval Commissioning Plan and Procedures - SDT	120	2023/11/20	2024/03/18	197																					
SUBM-1060	Submit/review/approval Commissioning Plan and Procedures - Biogas system	120	2023/11/20	2024/03/18	-34																					
Material Submission, Procurement, Manufacturing and Delivery																										
Inlet Works																										
PRE-210	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - Screening system (fixed bar,coarse,fine)	300	2021/03/16 A	2023/10/31	-23	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - Screening system (f																				
PRE-700	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - Inlet pumps (HF,LF,Drainage)	330	2022/01/05 A	2023/10/17	7	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - Inlet pumps (HF,LF,Drainage)																				
PRE-290	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - Grit Trap and classifier	270	2022/02/18 A	2024/06/21	-214																					
PRE-280	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - Conveyer and compactor	270	2022/04/12 A	2024/07/17	-227																					
PRE-330	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - DOU-01	330	2022/05/26 A	2023/11/10	-3	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - DOU-01																				
PRE-300	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - LALG	270	2022/07/28 A	2024/04/27	-200																					
PRE-310	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - Penstocks and stoplogs	270	2022/09/13 A	2024/05/22	-232																					
PRE-320	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - MVAC-Ventilation Fan	211	2023/01/10 A	2024/05/10	-208																					
Primary Sedimentation Tanks																										
PRE-390	Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - Penstocks and stoplogs	270	2022/08/13 A	2023/10/16	-18	Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - Penstocks and stoplo																				
PRE-340	Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - Bottom scraper	255	2022/09/08 A	2023/12/30	-16	Submit/r																				
PRE-350	Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - IPS air scouring blower	255	2022/09/27 A	2023/12/30	-22	Submit/r																				
PRE-360	Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - Sum pump and skimmer	255	2022/09/29 A	2024/01/31	-66																					
PRE-370	Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - Primary sludge pump and grinder	255	2022/09/29 A	2024/01/31	-70																					
PRE-400	Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - Pipeworks and valves	194	2022/10/15 A	2024/01/31	-162																					
Biogas Holder																										
PRE-270	Submit/Procure/Manufacture/Deliver Biogas Holding Tanks (membrane, steel tank and parts, instrumentation)	660	2021/06/09 A	2023/10/20	-78	Submit/Procure/Manufacture/Deliver Biogas Holding Tanks (membrane, steel tank and parts, int																				
PRE-410	Submit/Procure/Manufacture/Deliver Waster Gas Burner	300	2021/08/19 A	2026/11/02	-97																					
PRE-420	Submit/Procure/Manufacture/Deliver H2S Removal System	510	2022/02/25 A	2025/10/16	-60																					
Sludge Digester Tank																										
PRE-750	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Flame Arresters	100	2022/10/31 A	2024/09/03	-168																					



- Remaining Level of Ef...
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Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	September				October				November				December				January
						35				36				37				38				39
						07	03	10	17	24	01	08	15	22	29	05	12	19	26	03	10	17
PRE-780	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Mixing System and Heat Exchanger for Sludge Anaerobic Digester	420	2022/12/22 A	2024/03/01	18																	
PRE-720	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Inspection Windows for Sludge Anaerobic System	365	2023/01/18 A	2024/09/03	-78																	
PRE-730	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Gas Take Off Dome for Sludge Anaerobic Digestion System	365	2023/01/18 A	2024/09/03	-78																	
PRE-710	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Pressure and Vacuum Relief Valves	300	2023/03/01 A	2024/01/01	-135																Subm	
PRE-740	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Telescopic Valve for Sludge Anaerobic Digestion System	179	2023/07/10 A	2024/09/03	-135																	
PRE-760	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Ferric Chloride Dosing Pump	148	2023/08/29 A	2024/08/31	-135																	
PRE-770	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Ferric Chloride Transfer Pump	148	2023/08/29 A	2024/08/31	-135																	
Sludge Thickening Building																						
PRE-250	Submit/Procure/Manufacture/Deliver Sludge Thickening System - Thickening Centrifuges	360	2021/11/12 A	2024/10/19	93																	
PRE-500	Submit/Procure/Manufacture/Deliver Sludge Thickening System - Pump and jet mixer	300	2022/01/07 A	2024/10/19	93																	
PRE-510	Submit/Procure/Manufacture/Deliver Sludge Thickening System - LALG	256	2023/03/28 A	2024/08/31	137																	
PRE-480	Submit/Procure/Manufacture/Deliver Sludge Thickening System - Polymer preparation system	388	2023/04/12 A	2024/07/02	168																	
PRE-490	Submit/Procure/Manufacture/Deliver Sludge Thickening System - DOU-03	264	2023/07/07 A	2024/09/02	137																	
PRE-520	Submit/Procure/Manufacture/Deliver Sludge Thickening System - MVAC	328	2023/10/30*	2024/09/21	121																	
Mainstream Bio-Reactor																						
PRE-230	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - AGS system	480	2022/09/09 A	2025/02/10	-183																	
PRE-530	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - Penstocks and stoplogs	345	2022/10/31 A	2025/05/13	-144																	
PRE-550	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - Sludge pre-thickening system	510	2022/10/31 A	2024/11/28	-35																	
PRE-540	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - Chemical storage and dosing system	270	2022/11/18 A	2024/11/28	-109																	
PRE-580	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - MVAC	397	2023/10/30*	2024/11/29	-110																	
PRE-570	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - Instrumentation	550	2023/11/06*	2025/05/08	-155																	
Tertiary Treatment System																						
PRE-610	Submit/Procure/Manufacture/Deliver TTS Equip. - Pumping system	495	2022/07/19 A	2024/11/28	-25																	
PRE-600	Submit/Procure/Manufacture/Deliver TTS Equip. - UV disinfection system	510	2022/09/08 A	2024/11/28	-25																	
PRE-240	Submit/Procure/Manufacture/Deliver TTS Equip. - Disc Filter	600	2022/09/27 A	2024/11/28	-25																	
PRE-590	Submit/Procure/Manufacture/Deliver TTS Equip. - Chemical cleaning system	480	2022/11/18 A	2024/11/28	-25																	
PRE-630	Submit/Procure/Manufacture/Deliver TTS Equip. - Penstocks and stoplogs	435	2022/11/30 A	2024/11/28	-25																	
PRE-620	Submit/Procure/Manufacture/Deliver TTS Equip. - LALG	151	2023/03/27 A	2024/11/28	-25																	
PRE-690	Submit/Procure/Manufacture/Deliver TTS Equip. - DOU-02	506	2023/10/01*	2025/02/17	-106																	
Electrical and Control System																						
PRE-680	Submit/Procure/Manufacture/Deliver Electrical and Control System - SCADA and instrumentation	420	2022/04/30 A	2024/01/31	-70																	
PRE-640	Submit/Procure/Manufacture/Deliver Electrical and Control System - HVSB and Tx	283	2022/12/21 A	2023/10/17	-2																Submit/Procure/Manufacture/Deliver Electrical and Control System - HVSB and Tx	
PRE-650	Submit/Procure/Manufacture/Deliver Electrical and Control System - LVSB	300	2022/12/21 A	2023/12/07	-49																Submit/Procure/Manufacture/Deliver	
PRE-660	Submit/Procure/Manufacture/Deliver Electrical and Control System - UPS	300	2022/12/21 A	2024/01/01	-110																Subm	
PRE-670	Submit/Procure/Manufacture/Deliver Electrical and Control System - Armoured Cable	203	2022/12/21 A	2024/01/31	-124																	
Site Establishment Works																						
Portion 5 - Walkway																						
P5-100	Portion 5 - Initial Survey and Record, Underground Utilities Detection	12	2023/06/12 A	2023/10/16	705																Portion 5 - Initial Survey and Record, Underground Utilities Detection	
P5-110	Portion 5 - Installation of Water Barriers, Clearance, Haul Road and Temp Facilities	12	2023/06/12 A	2023/10/16	705																Portion 5 - Installation of Water Barriers, Clearance, Haul Road and Temp Facilities	
Statutory Submission & Approval																						
FSI, FSD and OP Requirements																						
FSI Submission & Approval																						
FSD-1200	Submission/Review/Approval by PM and FSD - Full GBP+GBP for TOP1 with DG - Rtc & 3rd submission	120	2023/05/30 A	2023/12/25	-161																Submission/Re	
FSD-1210	Submission/Review/Approval by PM and FSD - Full GBP+GBP for TOP1 with DG - Rtc & 4th submission	120	2023/11/26	2024/03/24	-161																	
WSD Submission & Approval																						
WSD-1010	WSD - Form WWO542 PM&WSD review and approval	90	2022/03/10 A	2023/12/29	-141																WSD - Fo	
WSD-1020	WSD - Submit Form WWO46 Part 1 and 2	0		2023/12/29	-141																◆ WSD - Su	
EMSD Submission & Approval																						
Biogas System (ATAL)																						
Phase 1																						
ATAL-FS-0020	Form 105 for Biogas Holder Tank 1(Submission and Approval Period)	184	2022/11/08 A	2023/12/18	90																Form 105 for Biogas H	
EPD Submission & Approval for VEP																						
EPD-1000	EPD - VEP Review, prepare and submit to PM	60	2023/05/24 A	2023/10/29	-135																EPD - VEP Review, prepare and submit to PM	
EPD-1010	EPD - VEP Rtc to PM and approval	7	2023/10/30	2023/11/05	-135																EPD - VEP Rtc to PM and approval	
EPD-1050	EPD - VEP consultation with HKBW	28	2023/10/30	2023/11/26	-121																EPD - VEP consultation with HKBW	
EPD-1020	EPD - VEP Submission to DSD and EPD	28	2023/11/06	2023/12/03	-135																EPD - VEP Submission to DSD and EPD	



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EPD-1030	EPD - VEP Rtc to DSD and EPD	7	2023/12/04	2023/12/10	-135																					
EPD-1060	EPD - VEP Gazette	28	2023/12/11	2024/01/07	-135																					
General Advance Works																										
NSWSPS Sensors																										
ATALGA-1330	NSWSPS Sensor - Decommissioning	3	2023/10/03	2023/10/05	161																					
Dissolved Air Flotation (DAF) Pilot Plant																										
ATALGA-1220	Post-commissioning	128	2023/05/20 A	2023/12/19	188																					
Aerobic Granular Sludge (AGS) Pilot Plant																										
ATALGA-1270	Post-commissioning	128	2023/05/20 A	2023/12/19	188																					
Zone 1 Construction																										
CLP Substations No. 1 & 2																										
CLP Substation No. 1																										
CLP-1560	CLP Substation No.1 - ABWF Works for CLP handover (not required for Section 1 completion)	38	2023/02/13 A	2023/10/20	-107																					
CLP Substation No. 2																										
CLP-1550	CLP Substation No.2 - ABWF Works for CLP handover (not required for Section 1 completion)	35	2023/02/13 A	2023/10/20	-107																					
CLP Substation No. 1 & 2 Handover Inspection and Installation																										
CLP-1630	CLP Substation 1 & 2 - CLP pre-inspection	1	2023/10/21	2023/10/21	-107																					
CLP-1500	CLP Substation No.1 & 2 - Defect works	10	2023/10/24	2023/11/03	-107																					
CLP-1510	CLP Substation No.1 & 2 - CLP final inspection and handover	1	2023/11/04	2023/11/04	-107																					
CLP-1070	CLP Substation No.1 - CLP Installation	90	2023/11/06	2024/02/24	-107																					
CLP-1080	CLP Substation No.2 - CLP Installation	90	2023/11/06	2024/02/24	-107																					
DSD 11kV Switchgear																										
CLP-1060	DSD11kV Switchgear - internal ABWF Works	36	2023/02/25 A	2023/11/04	-82																					
CLP-1110	DSD11kV Switchgear - E&M and BS Installation	51	2023/11/06	2024/01/06	-82																					
CLP Substation No. 1 & 2 & DSD 11kV Switchgear - GRC Cladding																										
CLP-1620	CLP Substation No.1 & 2 & DSD11kV Switchgear - GRC cladding - mock-up inspection and approval	1	2023/09/14 A	2023/10/03	853																					
CLP-1590	CLP Substation No.1 & 2 & DSD11kV Switchgear - GRC cladding - fabrication	60	2023/10/04	2023/12/13	853																					
CLP-1600	CLP Substation No.1 & 2 & DSD11kV Switchgear - GRC cladding - installation	75	2023/10/16	2024/01/15	853																					
Modification of Existing Emergency Bypass Chamber																										
Emergency Bypass Chamber - Foundation and ELS																										
IW-3200	IW - Modification of Existing Emergency Bypass Chamber - Site clearance and mobilization of sheetpile	3	2023/12/08	2023/12/11	-152																					
IW-1260	IW - Modification of Existing Emergency Bypass Chamber - Sheet Piles Installation (1,283m2, 60m2/day/rig, 1 rig)	21	2023/12/12	2024/01/08	-152																					
Modification of Existing Inspection Chamber & Inlet Effluent Pipes from NSWSPS																										
IW-1310	Modification of Existing Inspection Chamber - Sheet Piles Installation (1,020m2, 40m2/day/rig, 1 rig)	21	2023/12/08	2024/01/04	-92																					
Inlet Works (IW)																										
IW Foundation & ELS Works																										
IW Basement																										
IW Excavation Works & ELS																										
IW Zone A/D- ELS																										
Z1-IW-5830	IW- Strutting: 4th Layer @-2.88mPD with preload (10 welders @ 23ton/d)	10	2023/08/17 A	2023/09/26 A																						
Z1-IW-5840	IW- Excavation to Formation -3.38 ~-7.525mPD (4,001m3) (3-4 excavators @ 500m3/d) *MD	7	2023/09/27 A	2023/10/14	-204																					
Modification of Zone A/D Strut																										
Z1-IW-6430	IW(A/D) - Design amendment subm. for modify S1&2 (prep=30d,ICE=14d,ICE Rtc=14d,PM=14d,PM Rtc=14d)	86	2023/03/21 A	2023/10/14	-115																					
Z1-IW-6440	IW(A/D) - Method statement subm. for modify S1&2 (prep=30d,1st Rtc=14d)	44	2023/08/16 A	2023/10/14	-115																					
Z1-IW-6400	IW- Strutting: Modify S1 and S2 strut and preload	14	2023/10/16	2023/11/01	-115																					
Z1-IW-6410	IW- Strutting: Remove backprop at PST	7	2023/11/02	2023/11/09	-101																					
IW Base Slab																										
Z1-IW-6080	IW- Zone C - Pile Cap @-3.05mPD	18	2023/08/14 A	2023/08/28 A																						
Z1-IW-6630	IW- Remove part of strut S3 (RC1-3, R2-3, RC3-3), trim sheetpile and break mass concrete for base slab construction	10	2023/09/08 A	2023/09/26 A																						
Z1-IW-6610	IW- Zone D - Pile Cap @-1.65 (GL9-10 upper portion)	12	2023/09/27 A	2023/10/14	-115																					
Z1-IW-6090	IW- Zone A - Pile Cap @-7.525mpD, -6.525mPD, -5.525mPD and wall below S4	24	2023/10/16	2023/11/13	-204																					
Z1-IW-6620	IW- Zone D - Pile Cap @-1.65 (GL4-5 upper portion)	12	2023/10/16	2023/10/30	-113																					
IW Zone A/D Base Slab																										
Z1-IW-6100	IW- Zone A/D - Pile Cap @-1.65/-1.55mpD (1st pour)	12	2023/11/11	2023/11/24	-204																					
Z1-IW-6640	IW- Zone A/D - Install backprop BP1A and backfill	6	2023/11/14	2023/11/20	-200																					
Z1-IW-6660	IW- Zone A/D - Remove part of strut S4 (LC1-4, R1-4 & R2-4)	2	2023/11/25	2023/11/27	-204																					
Z1-IW-6350	IW- Zone A/D - Pile Cap @-1.65/-1.55mpD (2nd pour)	10	2023/11/28	2023/12/08	-204																					



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Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	September					October					November					December					January
						35					36					37					38					39
						7	03	10	17	24	01	08	15	22	29	05	12	19	26	03	10	17	24	31	07	
Z1-IW-6670	IW- Zone A/D - Remove remaining strut S4 and BP1A	4	2023/12/09	2023/12/13	-204																					
Z1-IW-6360	IW- Zone A/D - Pile Cap @-1.65/-1.55mPD (3rd pour)	10	2023/12/14	2023/12/27	-204																					
IW Basement RC Works																										
IW Zone C																										
Z1-IW-6330	IW(C) - Zone C1 - G/F Slab of Falseworks, Formworks and RC Works (+6.00 mPD)	26	2023/08/22 A	2023/09/25 A																						
Z1-IW-6590	IW(C) - Zone C2 - Wall & Column Erection of Formworks and RC Works (+6.00 mPD) strut cast-in	22	2023/09/04 A	2023/10/05	-152																					
Z1-IW-6600	IW(C) - Zone C2 - G/F Slab of Falseworks, Formworks and RC Works (+6.00 mPD)	12	2023/10/06	2023/10/19	-152																					
IW Zone D early for PST early commissioning *																										
Z1-IW-6450	IW(D) - Wall Erection of Formworks and RC Works (-1.6 to +4.95mPD)	13	2023/11/02	2023/11/16	-115																					
IW Zone A/D																										
Z1-IW-6190	IW(A/D) - Wall Erection of Formworks and RC Works (-1.625mPD)	10	2023/12/28	2024/01/09	-204																					
IW Civil and Structural Works																										
IW Superstructure																										
RC Works																										
Zone C																										
Z1-IW-4140	IWS (C) - Wall Erection of Formworks and RC Works (+11.8mPD) Zone C1	10	2023/10/03	2023/10/13	-147																					
Z1-IW-4170	IWS (C) - Wall Erection of Formworks and RC Works (+11.8mPD) Zone C2	8	2023/10/20	2023/10/30	-152																					
Z1-IW-4180	IWS (C) - 1/F Slab of Falseworks, Formworks and RC Works (+11.8/+12.8mPD)	13	2023/10/30	2023/11/13	-152																					
Z1-IW-4220	IWS (C) - Wall Erection of Formworks and RC Works (+18.2mPD)	8	2023/11/14	2023/11/22	-152																					
Z1-IW-4230	IWS (C) - Roof Slab of Falseworks, Formworks and RC Works (+18.2mPD)	13	2023/11/23	2023/12/07	-152																					
Z1-IW-4150	IWS (C) - Intermediate Slab of Falseworks, Formworks and RC Works(+7.48/+8.2mPD) late cast with Zone D	13	2023/11/27	2023/12/11	-115																					
Zone D																										
Z1-IW-6520	IWS (D) - Wall Erection of Formworks and RC Works (+7.84/+8.2mPD)	8	2023/11/17	2023/11/25	-115																					
Z1-IW-6490	IWS (D) - Intermediate Slab of Falseworks, Formworks and RC Works(+7.84/+8.2mPD)	13	2023/11/27	2023/12/11	-115																					
Z1-IW-6500	IWS (D) - Wall Erection of Formworks and RC Works (+11.8mPD)	8	2023/12/12	2023/12/20	-115																					
Z1-IW-6530	IWS (D) - 1/F Slab of Falseworks, Formworks and RC Works (+11.8mPD)	13	2023/12/21	2024/01/08	-115																					
IW ABWF Works																										
IW ABWF Works 1st fix for E&M handover																										
IW ABWF Works -Zone C																										
IW-3210	Inlet Work - ABWF Works 1st fix for DOU installation (+6.0/+11.8mPD)	8	2023/11/14	2023/11/22	-76																					
IW-3220	Inlet Work - ABWF Works 1st fix for LVSB installation (+12.8/+18.3mPD)	8	2023/12/08	2023/12/16	-99																					
IW Transformer House No. 1																										
IW-2930	TX House No. 1 - ELS Works and trim sheetpile	5	2023/10/20	2023/10/26	-115																					
IW-2790	TX House No. 1 - Structure Base slab at +3.8 mPD to +4.8 mPD (incl. earth mat installation)	18	2023/10/27	2023/11/16	-115																					
IW-2800	TX House No. 1 - Structure cable trench from +4.8 mPD to +6.0 mPD	8	2023/11/17	2023/11/25	-115																					
IW-2810	TX House No. 1 - Structure G/F to Roof from +6.0 mPD to +9.0 mPD	6	2023/11/27	2023/12/02	-115																					
IW-2820	TX House No. 1 - Structure G/F to Roof from +9.0 mPD to +11.6 mPD	12	2023/12/04	2023/12/16	-115																					
IW-2830	TX House No. 1 - ABWF	14	2023/12/18	2024/01/05	-115																					
IW E&M Works																										
ATAL-1760	IW - E&M Handover @ +11.8mPD (Zone C)	0		2023/11/22	-76																					
ATAL-1750	IW - E&M Handover @ +18.3mPD (Zone C)	0		2023/12/16	-99																					
DOU-01 System - 01 *																										
ATAL-1170	LALG Installation	60	2023/11/23	2024/02/03	-76																					
ATAL-1250	DOU Equipment Installation	75	2023/12/11	2024/03/13	-76																					
LV Switch Room (IW + PST) *																										
ATAL-1270	LVSB Installation	40	2023/12/18	2024/02/05	-99																					
ATAL-1300	PLC Panel Installation	25	2023/12/18	2024/01/18	-84																					
ATAL-1310	Station Installation	35	2023/12/23	2024/02/05	-85																					
Primary Sedimentation Tank (PST)																										
PST Superstructure																										
Stage 1																										
RC Works																										
PST Stage 1 - GL HI (Pump room and inlet channel) *																										
Z1-PST-4632	PST - RC Works for Wall (GL HI, +2.95 to +7.835mPD)	8	2023/11/17	2023/11/25	-107																					
Z1-PST-4642	PST - RC Works for Intermediate Slab (GL HI, +7.835mPD)	13	2023/11/27	2023/12/11	-107																					
Z1-PST-4652	PST - RC Works for wall and 1/F slab (GL HI, +7.835 to +11.75mPD)	13	2023/12/21	2024/01/08	-115																					
Water Tightness Test for PST																										
Z1-PST-3780	PST - Water Tightness Test 2 (PST3)(water height=5.5m, bulkhead=2d, fill=4d, absorption=7d, test=7d, remove=3d)	23	2023/07/28 A	2023/10/16	-120																					
Z1-PST-4802	PST - Water Tightness Test 3 (PST2)(water height=5.5m, fill=3d, absorption=7d, test=7d, remove=2d)	19	2023/10/07	2023/10/30	-120																					



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						7	03	10	17	24	01	08	15	22	29	05	12	19	26	03	10	17	24	31	07	
Z1-PST-4812	PST - Water Tightness Test 4 (outlet)(water height=5.5m, bulkhead=7d, fill=2d, absorption=7d, test=7d, remove=2d)	25	2023/10/27	2023/11/24	-120																					
PST ABWF, E&M & T&C																										
PST Stage 1																										
PST Stage 1 - ABWF Works																										
PST1-3, Outlet channel																										
PST1																										
PST-3275	PST Stage 1 - Remove scaffold and surface preparation at PST1	6	2023/09/29 A	2023/10/10	-150																					
PST-3115	PST Stage 1 - Screeding at PST1 (clearance&set-out=1d, screed(2 pours)=2d, joint=1d)	4	2023/10/11	2023/10/14	-150																					
PST-3095	PST Stage 1 - Lining at PST 1 (install=3d, testing=1d, clearance=1d)	5	2023/10/16	2023/10/20	-150																					
PST2																										
PST-3285	PST Stage 1 - Remove scaffold and surface preparation at PST2	6	2023/10/31	2023/11/06	-112																					
PST-3125	PST Stage 1 - Screeding at PST 2 (clearance&set-out=1d, screed(2 pours)=2d, joint=1d)	4	2023/11/07	2023/11/10	-112																					
PST-3105	PST Stage 1 - Lining at PST 2 (install=3d, testing=1d, clearance=1d)	5	2023/11/11	2023/11/16	-112																					
PST3																										
PST-3295	PST Stage 1 - Remove scaffold and surface preparation at PST3	6	2023/10/17	2023/10/24	-106																					
PST-3305	PST Stage 1 - Screeding at PST3 (clearance&set-out=1d, screed(2 pours)=2d, joint=1d)	4	2023/10/25	2023/10/28	-106																					
PST-3315	PST Stage 1 - Lining at PST 3 (install=3d, testing=1d, clearance=1d)	5	2023/10/30	2023/11/03	-106																					
Outlet																										
PST-3345	PST Stage 1 - Lining at outlet channel (install=3d, testing=1d, clearance=1d)	5	2023/11/25	2023/11/30	-120																					
GLA-H above +11.8mPD																										
PST-3265	PST Stage 1 - Concrete gain strength	7	2023/08/02 A	2023/08/07 A																						
PST-1370	PST Stage 1 - Strike formwork and falswork for E&M handover	3	2023/08/07 A	2023/09/25 A																						
Pump room *																										
PST-3205	PST Stage 1 - Strike formwork and falswork, concrete gain strength	12	2023/12/12	2023/12/27	-87																					
PST Stage 1 - E&M Installation Works																										
Phase 1 (GLA-H, PST1-3, Outlet Channel)																										
ATALPST-010	PST Stage 1 - E&M Handover @ +18.3mPD (GLA-H)	0	2023/10/07		-160																					
ATALPST-000	PST Stage 1 - E&M Handover @ +11.8mPD (PST1)	0	2023/10/21		-150																					
ATALPST-654	PST Stage 1 - E&M Handover @ +11.8mPD (PST2&3)	0	2023/11/17		-112																					
ATALPST-676	PST Stage 1 - E&M Handover @ +11.8mPD (outlet)	0	2023/12/01		-120																					
PST Stage 1 - E&M Installation Works at Setting Zone (PST 1-3)																										
PST 1																										
PST 1 - LALG																										
ATALPST-6	PST Stage 1 - Preparation Works (clearance, survey and setting out)	14	2023/09/26 A	2023/10/06	-160																					
ATALPST-5	PST Stage 1 - LALG-PST1	25	2023/10/07	2023/11/06	-163																					
PST 1 - Inclined Plate Settling System																										
ATALPST-53	PST Stage 1 - PST1 - Installation of Lamella support beam, pre-assembled module(16nos.), Flume(96nos.), plate(1152nos.)	45	2023/11/07	2023/12/30	-163																					
PST 2																										
PST 2&3 - LALG																										
ATALPST-5	PST Stage 1 - LALG-PST2	25	2023/11/24	2023/12/22	-43																					
PST 2&3 - Inclined Plate Settling System																										
ATALPST-68	PST Stage 1 - PST2 - Installation of Lamella support beam, pre-assembled module(16nos.), Flume(96nos.), plate(1152nos.)	42	2023/12/23	2024/02/16	-39																					
PST 3																										
PST 2&3 - LALG																										
ATALPST-5	PST Stage 1 - LALG-PST3	25	2023/11/01	2023/11/29	-123																					
PST 2&3 - Inclined Plate Settling System																										
ATALPST-66	PST Stage 1 - PST3 - Installation of Lamella support beam, pre-assembled module(16nos.), Flume(96nos.), plate(1152nos.)	45	2023/11/30	2024/01/24	-120																					
PST Stage 1 - Outlet Channel																										
ATALPST-55	PST Stage 1 - Unloading of Stoplogs&Penstocks x 23 Nos	9	2023/12/01	2023/12/11	-120																					
ATALPST-55	PST Stage 1 - Installation of Penstocks x 3 Nos	30	2023/12/12	2024/01/18	-82																					
ATALPST-55	PST Stage 1 - Installation of Stoplogs x 20 Nos.	60	2023/12/12	2024/02/26	-116																					
External Pipeworks for Temp Pumping System																										
Z2D-2170	Temp. Pumping System - Temporary Routing Between New PST and Existing Aeration Tank	50	2023/11/01	2023/12/30	-163																					
Z2D-2180	Temp. Pumping System - Alternate Route to Switch Back to existing PST 1-3 (contingency for PST1-3 not fully operated)	50	2023/11/01	2023/12/30	-163																					
Z2D-4340	Temp. Pumping System - Temporary Sludge&Scum Pipe from New PST Pump Room to Existing Consolidation Tank / New STB	50	2023/11/01	2023/12/30	-163																					



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						7	03	10	17	24	01	08	15	22	29	05	12	19	26	03	10	17	24	31	07	
Temporary Pumping Facilities for Conveying Sewage to New PST																										
Z2D-4330	Temp. Pumping System - ELS	14	2023/10/25	2023/11/09	-163																					
Z2D-4360	Temp. Pumping System - Structure	24	2023/11/10	2023/12/07	-163																					
Z2D-4380	Temp. Pumping System - Pipeworks	42	2023/11/10	2023/12/30	-163																					
Z2D-4370	Temp. Pumping System - E&M Installation and T&C	18	2023/12/08	2023/12/30	-163																					
External Works - Inlet Work and Primary Sedimentation Tank Perimeter																										
IWPST External Works - Zone A (Transformer House No.1)																										
Stage 1 (KD3)																										
EW-1540	IWPST Perimeter - Zone A1 - ELS for UU Works	12	2023/12/18	2024/01/03	-103																					
IWPST External Works - Zone B (CLP substation / DSD11kV Switchhouse)																										
Stage 1 (KD3)																										
EW-1630	IWPST Perimeter - Zone B1 - ELS for UU Works	12	2023/12/18	2024/01/03	-103																					
Sludge Dewatering Building (SDB)																										
SDB Foundation & ELS - Stage 1																										
SDB Preliminaries for Foundation Works																										
Submission and Advanced Works for Early Piling																										
SDB-1780	Prepare/submit/review/approve method statement of UU & road diversion for early access for piling - resubmission	7	2023/08/01 A	2023/08/31 A																						
Demolition of Existing PST1, 2, 3																										
SDB-1880	SDB - Trial pit/trench and UU Diversion for sheetpile and driven h-pile works	96	2023/12/01*	2024/03/28	-170																					
SDB-1000	Site Hoarding, Clearance, Temp Facilities	18	2023/12/21	2024/01/13	707																					
SDB GI - Pre-drilling Works																										
SDB At PST4 and Existing Road																										
SDB-1350	SDB-PD4 w/ obstruction (PST4)	12	2023/10/03	2023/10/16	-48																					
SDB-1030	SDB-PD22	12	2023/10/03	2023/10/16	230																					
SDB-1360	SDB-PD5 w/ obstruction (PST4)	12	2023/10/17	2023/10/31	-48																					
SDB-1290	SDB-PD7	12	2023/10/17	2023/10/31	230																					
SDB Foundation - PST 1-4 Footprint																										
SDB Foundation - Driven H-Pile																										
SDB-1700	SDB - Driven H-piles (20 nos., 1,162m @48m/d/rig, 1rig) early start along access road	26	2023/09/26 A	2023/10/31	95																					
Administration Building (ADB)																										
ADB Foundation Works																										
ADB Early Access for Pre-drilling																										
ADB-1360	ADB - Pre-drill (AB-PD3) (outside existing building footprint)	12	2023/08/04 A	2023/08/21 A																						
ADB-1410	ADB - Pre-drill (AB-PD11) (outside existing building footprint)	12	2023/08/24 A	2023/09/20 A																						
Zone 2 Construction																										
Mainstream Bio-Reactor & Auxiliary Facility (MBR and AF)																										
MBR and AF Structure																										
MBR - ELS Excavation & Demolition stage 1																										
Pipe Pile																										
Northern Side																										
Installation of 813mm casing																										
MBRAF-3530	Closing of 813mm pipe pile (South, East and North Sides) (9nos.)	30	2023/10/17	2023/11/21	-177																					
MBRAF-2100	Closing of 813mm pipe pile (South, East and North Sides) (1no. after AGS Zone A backfill)	6	2023/11/20	2023/11/25	-181																					
Western Side																										
Installation of 813mm casing																										
MBRAF-2290	813 Casing Installation (West)(P315-P339, 25nos@1.2nos./day/rig, 1rig) after CLP11kV diversion	21	2023/08/03 A	2023/08/22 A																						
MBRAF-2280	Closing of 813mm pipe pile (West) (4nos.)	12	2023/10/03*	2023/10/16	-177																					
MBR - ELS Excavation & Demolition stage 2																										
MBRAF-3250	MBR - Pumping test (Stage 1) dewater to FEL (-9mPD)	7	2023/11/28	2023/12/05	-182																					
MBR - ELS Zone A																										
Kingpost and Working Platform																										
MBRAF-2970	MBR - Installation of king post by preboring (KP25) (1no., 2d/pile, 1rig)(affected by 1800dia diversion) for ELS	2	2023/08/03 A	2023/08/12 A																						
MBRAF-2990	MBR - Kingpost for steel deck - loading test (ground prep=3d;blinding=1d;setup=3d;test=4d;demob=3d)	14	2023/08/31 A	2023/09/20 A																						
MBRAF-3470	MBR - Zone A - Installation of king post by preboring (IKP16)(affected by A-tank) for steel deck	4	2023/09/21 A	2023/10/03	-168																					
Excavation and Demolition																										
MBRAF-1610	MBR - Zone A - ELS open cut excavation (+5.8 to +4.2mPD) (5520m3) (3 excavators/WF, 2WFs, 400m3/d/WF)	7	2023/09/14 A	2023/10/05	-182																					
MBRAF-1630	MBR - Zone A - ELS open cut excavation (+4.2 to +0.5mPD) (4550m3) (3 excavators/WF, 2WFs, 400m3/d/WF)	12	2023/09/20 A	2023/10/19	-182																					
MBRAF-3420	MBR - Zone A - Demolition of A-tank by breaker (1300m2)	21	2023/10/06	2023/10/31	-182																					



- Remaining Level of Effort
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						35					36					37					38					39
						7	03	10	17	24	01	08	15	22	29	05	12	19	26	03	10	17	24	31	07	
MBRAF-3410	MBR - Zone A - Backfill -0.3 to +4.2mPD for S1, S2 and monitoring & pumping installation (300mm/layer/d)	16	2023/11/01	2023/11/18	-182																					
MBRAF-1460	MBR - Zone A - Monitoring and pumping installation (after backfill) (20nos., 1.5nos./d/rig, 2rigs)	7	2023/11/20	2023/11/27	-182																					
MBRAF-1620	MBR - Zone A - Strut Installation S1 (+5.25mPD)(1 crane, 10welders, 24ton/d)	12	2023/11/20	2023/12/02	-179																					
MBRAF-2490	MBR - Zone A - Installation of steel deck	18	2023/11/27	2023/12/16	-176																					
MBRAF-1635	MBR - Zone A - ELS Excavate +4.2 to +1.75mPD (3-4 excavators, 500m3/d)	15	2023/12/06	2023/12/22	-181																					
MBRAF-1640	MBR - Zone A - Strut Installation S2 (+2.3mPD)(1 crane, 10welders, 24ton/d)	10	2023/12/23	2024/01/06	-181																					
MBR - ELS Zone B																										
Excavation																										
MBRAF-3430	MBR - Zone B - Site clearance for excavation	4	2023/08/29 A	2023/09/13 A																						
MBRAF-3020	MBR - Zone B - ELS Excavation (+5.8 to +4.2mPD) (3750m3) (3-4 excavators, 400m3/d)	10	2023/09/14 A	2023/10/10	-182																					
MBRAF-3040	MBR - Zone B - ELS open cut excavation (+4.2 to +0.5mPD) (2313m3) (3-4 excavators, 500m3/d)	5	2023/09/20 A	2023/10/16	-182																					
MBRAF-3440	MBR - Zone B - Demolition of A-tank by breaker	12	2023/10/17	2023/10/31	-182																					
MBRAF-3450	MBR - Zone B - Backfill -0.3 to +4.2mPD for S1, S2 and monitoring & pumping installation (300mm/layer/d)	16	2023/11/01	2023/11/18	-182																					
MBRAF-3030	MBR - Zone B - Strut Installation S1 (+5.25mPD)(1 crane, 10welders, 24ton/d)	10	2023/11/20	2023/11/30	-177																					
MBRAF-3370	MBR - Zone B - Monitoring and pumping installation (after backfill) (10nos., 1.5nos./d/rig, 1rig)	7	2023/11/20	2023/11/27	-182																					
MBRAF-3390	MBR - Zone B - Installation of steel deck	12	2023/12/01	2023/12/14	-174																					
MBRAF-3540	MBR - Zone B - ELS Excavate +4.2 to +1.75mPD (3-4 excavators, 500m3/d)	15	2023/12/06	2023/12/22	-181																					
MBRAF-3050	MBR - Zone B - Strut Installation S2 (+2.3mPD)(1 crane, 10welders, 24ton/d)	10	2023/12/23	2024/01/06	-181																					
MBR - ELS Zone C																										
Kingpost and Working Platform																										
MBRAF-2960	MBR - Installation of king post by preboring (KP23,24,28)(3nos., 2d/pile, 1rig) for ELS	6	2023/07/31 A	2023/09/09 A																						
Excavation																										
MBRAF-3380	MBR - Zone C - Monitoring and pumping installation (Stage 1c) (31nos., 1.5nos./d/rig, 2rigs)	11	2023/10/03	2023/10/14	-177																					
MBRAF-3130	MBR - Zone C - ELS Excavation (+5.8 to +4.7mPD) (3840m3)(3-4 excavators, 500m3/d)	8	2023/10/16	2023/10/25	-177																					
MBRAF-3140	MBR - Zone C - Strut Installation S1 (+5.25mPD)(1 crane, 10welders, 24ton/d)	12	2023/10/26	2023/11/08	-177																					
MBRAF-2500	MBR - Zone C - Installation of steel deck	18	2023/11/09	2023/11/29	-177																					
MBRAF-3150	MBR - Zone C - ELS Excavation (+4.7 to +1.75mPD) (5880m3) (3-4 excavators, 500m3/d)	14	2023/12/06	2023/12/21	-182																					
MBRAF-3160	MBR - Zone C - Strut Installation S2 (+2.3mPD)(1 crane, 10welders, 24ton/d)	12	2023/12/22	2024/01/08	-182																					
Tertiary Treatment System (TTS)																										
TTS Foundation and ELS																										
Kingpost and Working Platform																										
TTS-1870	TTS - Kingpost installation (preboring method) (28nos.,2d/pile/rig,3rigs) for steel deck	28	2023/07/04 A	2023/11/01	-178																					
TTS-1990	TTS - Kingpost installation for steel deck - loading test	14	2023/09/21 A	2023/10/06	-157																					
TTS-1880	TTS - Installation of steel deck	24	2023/11/02	2023/11/29	-178																					
Monitoring and Pumping																										
TTS-2000	TTS - Monitoring and pumping installation (29nos., 1.5nos./d/rig, 1rig) north portion	21	2023/06/06 A	2023/11/03	-173																					
TTS-1230	TTS - Monitoring and pumping installation (29nos., 1.5nos./d/rig, 1rig) south portion	21	2023/07/12 A	2023/11/07	-173																					
TTS-1850	TTS - Pumping test	7	2023/11/08	2023/11/15	-159																					
TTS Foundation and ELS Stage 2																										
TTS-1020	TTS - ELS Excavation (+5.0 to +3.65mPD) (2548m3)(3-4 excavators/WF,1 WF, 400m3/d/WF) north	7	2023/08/03 A	2023/10/18	-157																					
TTS-2030	TTS - ELS Excavation (+5.0 to +3.65mPD) (2548m3)(3-4 excavators/WF,1 WF, 400m3/d/WF) south	7	2023/11/08	2023/11/15	-173																					
TTS-1030	TTS - Strut Installation S1 (+4.15mPD)(2 cranes, 10welders per WF, 2 WFs, 30ton/d)	14	2023/11/16	2023/12/01	-173																					
TTS-2040	TTS - ELS Excavation (+5.0 to +3.65mPD) (2548m3)(3-4 excavators/WF,1 WF, 400m3/d/WF) middle	7	2023/11/30	2023/12/07	-178																					
TTS-1040	TTS - ELS Excavation (+3.65 to +1.15mPD) (14,158m3)(3-4 excavators/WF, 2 WFs, 400m3/d/WF)	16	2023/12/08	2023/12/28	-178																					
TTS-1050	TTS - Strut Installation S2 (+1.65mPD)(2 cranes, 10welders per WF, 2 WFs, 30ton/d)	18	2023/12/15	2024/01/08	-178																					
Zone 3 Construction																										
Zone 3 North Portion (Z3N)																										
Demolition																										
Existing Sludge Thickening House (8, Air Floatation Thickener)																										
Z3S2-2030d	Backfill & remove strut Existing Sludge Thickening House pump pit (8) (affect Zone P2B piling & sheetpile)	6	2023/08/14 A	2023/08/24 A																						
New Sludge Thickening Building (STB)																										
STB : Driven H-pile																										
Batch 2																										
Z3S3-3950	STB - Site Setup & Mobilization for driven h-pile (Batch 2)	6	2023/08/21 A	2023/08/25 A																						
Z3S3-3960	STB - Driven H-pile Zone P5 (remaining 6nos.) @40m/day, 1rig	8	2023/08/26 A	2023/09/20 A																						
Z3S3-3970	STB - Driven H-pile Zone P2B (remaining 4nos.) @40m/day, 1rig	7	2023/08/28 A	2023/09/20 A																						
Z3S3-5240	STB - Driven H-pile for tower crane (4nos., 1d/pile/rig, 1rig)	4	2023/09/04 A	2023/09/20 A																						
Z3S3-5250	STB - Driven H-pile Zone P2B (2nos. additional piles (PMI204)) @40m/day, 1rig	3	2023/09/11 A	2023/09/20 A																						
Z3S3-3740	STB - Driven H-pile Plant Demobilization from Zone P5 and P2B	5	2023/09/21 A	2023/09/26 A																						



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						03	10	17	24	01	08	15	22	29	05	12	19	26	03	10	17	24	31	01		
Z3S3-5150	STB - Pile Load Test (Batch 2)	12	2023/09/27 A	2023/10/17	-72																					
STB : Foundation and ELS																										
STB : ELS																										
Sheetpile and Preboring																										
Z3S3-5710	STB - Sheetpile preboring plant demobilization for driven h-pile mobilization	3	2023/08/07 A	2023/08/10 A																						
Z3S3-5720	STB - Sheetpile Installation (remaining at stage 4a & 4b) (1,446m ² ,90m ² /d/rig, 1rig)	8	2023/08/16 A	2023/10/17	-63																					
Z3S3-5820	STB - Demolish remaining existing AFT (8) breaker	11	2023/10/18	2023/10/31	-72																					
Z3S3-3800	STB - Sheetpile Installation (remaining after demolition) (604m ² , 90m ² /d/rig, 1rig)	8	2023/11/01	2023/11/09	-72																					
Monitoring and Pumping																										
Z3S3-3340	STB - Monitoring and pumping installation at south (10nos., 1.5nos./d/rig, 1rig)	7	2023/10/18	2023/10/26	-63																					
Z3S3-5260	STB - Monitoring and pumping installation at east (14nos., 1.5nos./d/rig, 1rig)	9	2023/10/27	2023/11/06	-63																					
Z3S3-3805	STB - Monitoring and pumping installation at north (after piling) (13nos., 1.5nos./d/rig, 1rig)	9	2023/11/07	2023/11/16	-63																					
Z3S3-5080	STB - Pumping test	7	2023/11/17	2023/11/24	-63																					
Excavation and Lateral Support																										
Z3S3-2250	STB - ELS, Excavation (+6.0 to +3.5mPD, 1,759m ³ @ 400m ³ /d)	5	2023/11/10	2023/11/15	-72																					
Z3S3-2290	STB - ELS, Strut Installation S1 (@ +4.0mPD)	12	2023/11/16	2023/11/29	-72																					
Z3S3-5110	STB - ELS, Excavation (+6.0 to +3.5mPD) remaining portion after road diversion at UC5	3	2023/11/20	2023/11/22	-72																					
Z3S3-5120	STB - ELS, Strut Installation S1 (@ +4.0mPD) remaining portion after road diversion at UC5	6	2023/11/23	2023/11/29	-72																					
Z3S3-5220	STB - ELS, Strut Installation S1 preload (5 cycles, 3-4 struct/cycle/day, 19 nos. strut)	5	2023/11/30	2023/12/05	-72																					
Z3S3-2360	STB - ELS, Excavation (+3.5 to -0.5mPD, 3,751m ³ @ 300m ³ /d) *MD/DP	13	2023/12/06	2023/12/20	-72																					
Z3S3-5790	STB - ELS, Demolish remaining existing AFT (8) to -0.5 mPD silent method	6	2023/12/09	2023/12/15	-72																					
Z3S3-2420	STB - ELS, Strut Installation S2 (@ 0mPD)	12	2023/12/16	2024/01/02	-72																					
Utility Corridor (UC5) (Connect to STB)																										
UC5 : Foundation and ELS Works																										
Z3S2-3630	UC5 - ELS, Trial dig and verify depth of unsuitable material (PMI259)	3	2023/08/03 A	2023/08/05 A																						
Z3S2-3640	UC5 - ELS, Remove unsuitable material (PMI259)	5	2023/08/07 A	2023/08/11 A																						
Z3S2-3440	UC5 - ELS, Replace additional rockfill at founding level (PMI259)	10	2023/08/12 A	2023/08/22 A																						
Z3S2-3650	UC5 - ELS, Plate load test (PMI259)	8	2023/08/23 A	2023/08/30 A																						
UC5 : Civil and Structural Works																										
Z3S2-3180	UC5 - Structure (-3.75 to -2.20mPD, Base Slab) and (-2.20 to -0.5mPD, Wall)	16	2023/08/31 A	2023/09/29 A																						
Z3S2-3200	UC5 - Structure (-0.5 to +1.5mPD, Wall) *overtime	8	2023/09/19 A	2023/10/17	-72																					
Z3S2-3210	UC5 - Structure (+1.5 to +4.2mPD, Wall and Roof)	10	2023/10/18	2023/10/30	-72																					
Z3S2-3520	UC5 - Install backprop, waterproof, backfill & remove strut S2	4	2023/10/31	2023/11/03	-72																					
Z3S2-3530	UC5 - Install backprop, waterproof, backfill & remove strut S1	4	2023/11/04	2023/11/08	-72																					
Z3S2-3610	UC5 - Backfill to ground level	3	2023/11/09	2023/11/11	-72																					
Z3S2-3660	UC5 - Deck over UC5 ELS for road diversion	3	2023/11/09	2023/11/11	-72																					
Z3S2-3480	UC5 - Road Diversion on Completed UC5	6	2023/11/13	2023/11/18	-72																					
UC5 : E&M Installation																										
Z3S2-3220	UC5 - BS Works	50	2023/10/31	2023/12/29	785																					
Z3S2-3230	UC5 - E&M Handover	0	2023/10/31		785																					
Z3S2-3240	UC5 - E&M Installation and Pipeworks	50	2023/10/31	2023/12/29	785																					
Z3S2-3250	UC5 - Installation and Set-Up for SCADA System	14	2023/12/12	2023/12/29	785																					
Zone 3 South Portion (Z3S)																										
Sludge Digester No. 1-3 (SD1-3)																										
SD1-3 : Foundation and ELS																										
SD1-3 : Sheetpiling, Kingpost, Monitoring and pumping																										
Z3S3-2063	Sludge Digester No. 1-3 - Remaining Sheetpiles Portion WB (561m, 30m/d/rig, 1rig)	20	2023/06/01 A	2023/10/09	-161																					
Z3S3-2061	Sludge Digester No. 1-3 - Remaining Sheetpiles Portion NA (644m, 30m/d/rig, 1rig)	21	2023/07/07 A	2023/10/17	-157																					
Z3S3-2062	Sludge Digester No. 1-3 - Remaining Sheetpiles Portion NB&WA (247+185m, 30m/d/rig, 2rigs) after BH1 surcharge removed	27	2023/08/12 A	2023/10/21	-161																					
Z3S3-5810	Sludge Digester No. 1-3 - Site clearance for demolish remaining SHT2	4	2023/09/06 A	2023/09/15 A																						
Z3S3-5670	Sludge Digester No. 1-3 - Demolish remaining SHT2 (14d) and backfill for kingpost (4d)	18	2023/09/16 A	2023/10/14	-155																					
Z3S3-4810	Sludge Digester No. 1-3 - Kingpost by preboring (13nos. @ 2.5d/pile/rig, 2rigs)	17	2023/10/24	2023/11/11	-161																					
Z3S3-3350	Sludge Digester No. 1-3 - Monitoring and pumping installation (42nos., 1.5nos./d/rig, 2rigs)	14	2023/11/07	2023/11/22	-159																					
Z3S3-5100	Sludge Digester No. 1-3 - Pumping test	7	2023/11/23	2023/11/30	-159																					
SD1-3 : Excavation and Strut Installation																										
Z3S3-2110	Sludge Digester No. 1-3 - ELS Excavation (+5.0 to +4.3mPD, 4168m ³ @ 750m ³ /d)	5	2023/11/13	2023/11/17	-161																					
Z3S3-2140	Sludge Digester No. 1-3 - Strut Installation S1 (+4.8mPD)	13	2023/11/18	2023/12/02	-161																					
Z3S3-2150	Sludge Digester No. 1-3 - ELS Excavation (+4.3 to +1.8mPD, 6130m ³ @ 750m ³ /d) after BH1 footing backfilled	8	2023/12/04	2023/12/12	-161																					



█ Remaining Level of Effort
█ Actual Work
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Z3S3-2190	Sludge Digester No. 1-3 - Strut Installation S2 (+2.3mPD)	13	2023/12/07	2023/12/21	-161																		
Z3S3-5730	Sludge Digester No. 1-3 - Preloading Strut S2 (+2.3mPD)(4 cycle, 5 struts/cycle/day, 16 struts)	4	2023/12/22	2023/12/28	-161																		
Z3S3-2200	Sludge Digester No. 1-3 - ELS Excavation (+1.8 to -0.7mPD, 6130m3 @ 750m3/d)*MD	9	2023/12/29	2024/01/09	-161																		
Biogas Holder No. 1 (BH1)																							
BH1 : Foundation																							
Z3BH-1310	Biogas Holder No. 1 - Concrete block retaining wall at north side for road diversion	3	2023/08/05 A	2023/08/10 A																			
Z3BH-1190	Biogas Holder No. 1 - Excavate to+0mPD (1026m3) at south side	12	2023/08/11 A	2023/08/23 A																			
Z3BH-1320	Biogas Holder No. 1 - Road formation and diversion for kingpost/pump wells/SDB piling	6	2023/08/11 A	2023/08/16 A																			
Z3BH-1330	Biogas Holder No. 1 - Excavate berm near WB&NB sheetpile to +2.6mPD (513m3)	4	2023/08/24 A	2023/08/26 A																			
Z3BH-1200	Biogas Holder No. 1 - Backfill rockfill +0/+2.8 to +3.1mPD (3.1m, 0.3m/layer/d)	11	2023/08/25 A	2023/09/05 A																			
Z3BH-1160	Biogas Holder No. 1 - Plate load test BH-PLT1	8	2023/09/06 A	2023/09/16 A																			
Z3BH-1300	Biogas Holder No. 1 - Earthing installation	6	2023/09/18 A	2023/09/26 A																			
Z3BH-1010	Biogas Holder No. 1 - 800 Thick Base Slab	21	2023/09/27 A	2023/10/21	-151																		
Z3BH-1340	Biogas Holder No. 1 - Retaining wall (from +3.1mPD to +6mPD) and plinth	7	2023/10/24	2023/10/31	-151																		
Z3BH-1350	Biogas Holder No. 1 - Retaining wall strike formwork (3d), surface prep (1d) and waterproofing (2d)	6	2023/11/01	2023/11/07	-151																		
Z3BH-1360	Biogas Holder No. 1 - Backfill +2.6 to +6 for SD Excavation (300mm/layer/d)	12	2023/11/08	2023/11/21	-151																		
BH1 : E&M Installation																							
ATALZ3BH-0900	BH No. 1 - E&M Handover	0	2023/11/01		-90																		
ATALZ3BH-2425	BH No. 1 - Material delivery and base preparation (plinth leveling and bitumen coating, drainage)	6	2023/11/01	2023/11/07	-90																		
ATALZ3BH-2435	BH No. 1 - Tank base plate installation and welding	19	2023/11/08	2023/11/29	-90																		
ATALZ3BH-2445	BH No. 1 - Jack installation and top ring installation	23	2023/11/30	2023/12/28	-90																		
ATALZ3BH-2455	BH No. 1 - Roof, crown ring and roof handrail construction	32	2023/12/29	2024/02/05	-90																		
Utility Corridor and Pipe Portal (UC/PP)																							
Utility Corridor No. 1 (UC1)																							
UC1 : Predrilling Works																							
Z3S5UC1-2180	UC/PP - Predrill UC&PP-PD2	6	2023/10/03	2023/10/09	43																		
Z3S5UC1-2200	UC/PP - Predrill UC&PP-PD6	6	2023/10/10	2023/10/16	43																		



- ▬ Remaining Level of Ef...
- ▬ Actual Work
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