

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Late Start	Late Finish	Total Float	Gantt Chart																																															
								2022												2023												2024												2025											
								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	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
SUB-270	Subletting for ELS works for IW, PST, SDB, STB, SD, MBB, TTB, underpass and open cut for admin. bldg	50	12-Oct-21	30-Nov-21	15-Oct-21	03-Dec-21	3	Subletting for ELS works for IW, PST, SDB, STB, SD, MBB, TTB, underpass and open cut for admin. bldg																																															
SUB-380	Subletting for Sheet piling works for remaining areas	150	12-Oct-21	10-Mar-22	05-Nov-21	03-Apr-22	24	Subletting for Sheet piling works for remaining areas																																															
SUB-310	Subletting for Utilities Corridor ELS	90	01-Dec-21	28-Feb-22	07-Jan-22	06-Apr-22	37	Subletting for Utilities Corridor ELS																																															
SUB-280	Subletting for RC works for IW, PST, SDB, STB, SD, Biogas holder, underpass and admin. bldg	105	01-Dec-21	15-Mar-22	04-Dec-21	18-Mar-22	3	Subletting for RC works for IW, PST, SDB, STB, SD, Biogas holder, underpass and admin. bldg																																															
SUB-350	Subletting for Waterproofing membrane and protection board	86	01-Dec-21	24-Feb-22	04-Dec-21	27-Feb-22	3	Subletting for Waterproofing membrane and protection board																																															
SUB-360	Subletting for Rebar fixing	86	01-Dec-21	24-Feb-22	04-Dec-21	27-Feb-22	3	Subletting for Rebar fixing																																															
SUB-290	Subletting for ABWF works for IW, PST, SDB, STB, MBR, TTB and admin. bldg	60	16-Mar-22	14-May-22	03-Jan-23	03-Mar-23	293	Subletting for ABWF works for IW, PST, SDB, STB, MBR, TTB and admin. bldg																																															
SUB-320	Subletting for Trellis outside Admin. building & Steel Working Platform	120	31-Mar-22	28-Jul-22	09-Feb-25	08-Jun-25	1046	Subletting for Trellis outside Admin. building & Steel Working Platform																																															
SUB-340	Subletting for Drainage, Sewage & waterworks	86	15-May-22	08-Aug-22	20-Oct-25	13-Jan-26	1254	Subletting for Drainage, Sewage & waterworks																																															
SUB-300	Subletting for RC works for MBR, Ancillary Building, TTB	60	28-Jul-22	25-Sep-22	18-Aug-22	16-Oct-22	21	Subletting for RC works for MBR, Ancillary Building, TTB																																															
Design Submission		1562	30-Jan-21 A	10-May-25	22-Aug-21	09-Nov-27	912																																																
Temporary Works Design		1269	02-Mar-21 A	21-Aug-24	26-Aug-21	19-Aug-25	363																																																
Inlet Work and Primary Sedimentation Tank		195	02-Mar-21 A	12-Sep-21	26-Aug-21	11-Nov-21	60																																																
TWD-100	ELS Stage 1 - Prepare & Submission for PM's review	46	02-Mar-21 A	16-Apr-21 A	26-Aug-21	26-Aug-21	60	ELS Stage 1 - Prepare & Submission for PM's review																																															
TWD-420	ELS Stage 2 - Prepare & Submission for PM's review	72	05-Apr-21 A	15-Jun-21 A	30-Sep-21	30-Sep-21	60	ELS Stage 2 - Prepare & Submission for PM's review																																															
TWD-110	ELS Stage 1 - Review by PM's & ICE review (28 d + 7d)	36	02-Jun-21 A	07-Jul-21 A	26-Aug-21	26-Aug-21	60	ELS Stage 1 - Review by PM's & ICE review (28 d + 7d)																																															
TWD-430	ELS Stage 2 - Review by PM's & ICE review (28 d + 7d)	36	16-Jun-21 A	21-Jul-21 A	30-Sep-21	30-Sep-21	60	ELS Stage 2 - Review by PM's & ICE review (28 d + 7d)																																															
TWD-120	ELS Stage 1 - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)	15	03-Jul-21 A	17-Jul-21 A	06-Sep-21	06-Sep-21	60	ELS Stage 1 - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)																																															
TWD-440	ELS Stage 2 - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)	15	22-Jul-21 A	05-Aug-21	30-Sep-21	04-Oct-21	60	ELS Stage 2 - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)																																															
TWD-500	ELS Stage 1 - Submit to GEO (Dewatering Proposal)	29	01-Aug-21	29-Aug-21	06-Sep-21	04-Oct-21	36	ELS Stage 1 - Submit to GEO (Dewatering Proposal)																																															
TWD-510	ELS Stage 2 - Submit to GEO (Dewatering Proposal)	30	06-Aug-21	04-Sep-21	05-Oct-21	03-Nov-21	60	ELS Stage 2 - Submit to GEO (Dewatering Proposal)																																															
TWD-130	ELS Stage 1 - Obtain Approval	8	30-Aug-21	06-Sep-21	05-Oct-21	12-Oct-21	36	ELS Stage 1 - Obtain Approval																																															
TWD-450	ELS Stage 2 - Obtain Approval	8	05-Sep-21	12-Sep-21	04-Nov-21	11-Nov-21	60	ELS Stage 2 - Obtain Approval																																															
Mainstream Bio-Reactor System		129	02-Aug-21	08-Dec-21	15-Nov-21	23-Mar-22	105																																																
TWD-220	ELS - Prepare & Submission for PM's review	45	02-Aug-21	15-Sep-21	15-Nov-21	29-Dec-21	105	ELS - Prepare & Submission for PM's review																																															
TWD-230	ELS - Review by PM's & ICE review (28 d + 7d)	35	16-Sep-21	20-Oct-21	30-Dec-21	02-Feb-22	105	ELS - Review by PM's & ICE review (28 d + 7d)																																															
TWD-240	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)	14	21-Oct-21	03-Nov-21	03-Feb-22	16-Feb-22	105	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)																																															
TWD-520	ELS - Submit to GEO	28	04-Nov-21	01-Dec-21	17-Feb-22	16-Mar-22	105	ELS - Submit to GEO																																															
TWD-250	ELS - Obtain Approval	7	02-Dec-21	08-Dec-21	17-Mar-22	23-Mar-22	105	ELS - Obtain Approval																																															
Biogas Holders		124	30-Aug-21	31-Dec-21	01-Nov-21	04-Mar-22	63																																																
TWD-380	Ground Improvement Works - Prepare & Submission for PM's review	45	30-Aug-21*	13-Oct-21	01-Nov-21	15-Dec-21	63	Ground Improvement Works - Prepare & Submission for PM's review																																															
TWD-390	Ground Improvement Works - Review by PM's & ICE review (28 d + 7d)	37	14-Oct-21	19-Nov-21	16-Dec-21	21-Jan-22	63	Ground Improvement Works - Review by PM's & ICE review (28 d + 7d)																																															
TWD-400	Ground Improvement Works - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)	14	20-Nov-21	03-Dec-21	22-Jan-22	04-Feb-22	63	Ground Improvement Works - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)																																															
TWD-530	Ground Improvement Works - Submit to GEO	28	04-Dec-21	31-Dec-21	05-Feb-22	04-Mar-22	63	Ground Improvement Works - Submit to GEO																																															
TWD-410	Ground Improvement Works - Obtain Approval	7	25-Dec-21	31-Dec-21	26-Feb-22	04-Mar-22	63	Ground Improvement Works - Obtain Approval																																															
Sludge Thickening Building		119	12-Jan-22	10-May-22	29-Mar-22	25-Jul-22	76																																																
TWD-180	ELS - Prepare & Submission for PM's review	42	12-Jan-22*	22-Feb-22	29-Mar-22	09-May-22	76	ELS - Prepare & Submission for PM's review																																															
TWD-190	ELS - Review by PM's & ICE review (28 d + 7d)	35	23-Feb-22	29-Mar-22	10-May-22	13-Jun-22	76	ELS - Review by PM's & ICE review (28 d + 7d)																																															
TWD-200	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)	14	30-Mar-22	12-Apr-22	14-Jun-22	27-Jun-22	76	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)																																															
TWD-540	Ground Improvement Works - Submit to GEO	28	13-Apr-22	10-May-22	28-Jun-22	25-Jul-22	76	Ground Improvement Works - Submit to GEO																																															
TWD-210	ELS - Obtain Approval	7	04-May-22	10-May-22	19-Jul-22	25-Jul-22	76	ELS - Obtain Approval																																															
Tertiary Treatment System		122	02-Dec-21	02-Apr-22	28-Feb-22	29-Jun-22	88																																																
TWD-140	ELS - Prepare & Submission for PM's review	45	02-Dec-21*	15-Jan-22	28-Feb-22	13-Apr-22	88	ELS - Prepare & Submission for PM's review																																															
TWD-150	ELS - Review by PM's & ICE review (28 d + 7d)	35	16-Jan-22	19-Feb-22	14-Apr-22	18-May-22	88	ELS - Review by PM's & ICE review (28 d + 7d)																																															
TWD-160	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)	14	20-Feb-22	05-Mar-22	19-May-22	01-Jun-22	88	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)																																															
TWD-550	ELS - Submit to GEO (Dewatering Proposal)	28	06-Mar-22	02-Apr-22	02-Jun-22	29-Jun-22	88	ELS - Submit to GEO (Dewatering Proposal)																																															
TWD-170	ELS - Obtain Approval	7	27-Mar-22	02-Apr-22	23-Jun-22	29-Jun-22	88	ELS - Obtain Approval																																															
Utilities Corridor		122	01-Aug-21	30-Nov-21	07-Sep-21	06-Jan-22	37																																																
TWD-340	ELS - Prepare & Submission for PM's review	45	01-Aug-21	14-Sep-21	07-Sep-21	21-Oct-21	37	ELS - Prepare & Submission for PM's review																																															
TWD-350	ELS - Review by PM's & ICE review (28 d + 7d)	35	15-Sep-21	19-Oct-21	22-Oct-21	25-Nov-21	37	ELS - Review by PM's & ICE review (28 d + 7d)																																															
TWD-360	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)	14	20-Oct-21	02-Nov-21	26-Nov-21	09-Dec-21	37	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)																																															
TWD-560	ELS - Submit to GEO (Dewatering Proposal)	28	03-Nov-21	30-Nov-21	10-Dec-21	06-Jan-22	37	ELS - Submit to GEO (Dewatering Proposal)																																															
TWD-370	ELS - Obtain Approval	7	24-Nov-21	30-Nov-21	31-Dec-21	06-Jan-22	37	ELS - Obtain Approval																																															
Sludge Digester		122	01-Dec-21	01-Apr-22	21-Dec-22	21-Apr-23	385																																																
TWD-460	ELS - Prepare & Submission for PM's review	45	01-Dec-21	14-Jan-22	21-Dec-22	03-Feb-23	385	ELS - Prepare & Submission for PM's review																																															
TWD-470	ELS - Review by PM's & ICE review (28 d + 7d)	35	15-Jan-22	18-Feb-22	04-Feb-23	10-Mar-23	385	ELS - Review by PM's & ICE review (28 d + 7d)																																															
TWD-480	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)	14	19-Feb-22	04-Mar-22	11-Mar-23	24-Mar-23	385	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)																																															
TWD-570	ELS - Submit to GEO (Dewatering Proposal)	28	05-Mar-22	01-Apr-22	25-Mar-23	21-Apr-23	385	ELS - Submit to GEO (Dewatering Proposal)																																															
TWD-490	ELS - Obtain Approval	7	26-Mar-22	01-Apr-22	15-Apr-23	21-Apr-23	385	ELS - Obtain Approval																																															
Sludge Dewatering and Underpass		122	02-Jul-22	31-Oct-22	17-Mar-24	16-Jul-24	624																																																
TWD-260	ELS - Prepare & Submission for PM's review	45	02-Jul-22*	15-Aug-22	17-Mar-24	30-Apr-24	624	ELS - Prepare & Submission for PM's review																																															
TWD-270	ELS - Review by PM's & ICE review (28 d + 7d)	35	16-Aug-22	19-Sep-22	01-May-24	04-Jun-24	624	ELS - Review by PM's & ICE review (28 d + 7d)																																															
TWD-280	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)	14	20-Sep-22	03-Oct-22	05-Jun-24	18-Jun-24	624	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)																																															
TWD-580	ELS - Submit to GEO (Dewatering Proposal)	28	04-Oct-22	31-Oct-22	19-Jun-24	16-Jul-24	624	ELS - Submit to GEO (Dewatering Proposal)																																															
TWD-290	ELS - Obtain Approval	7	25-Oct-22	31-Oct-22	10-Jul-24	16-Jul-24	624	ELS - Obtain Approval																																															
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	Open Cut Design - Prepare & Submission for PM's review																																															
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	Open Cut Design - Review by PM's & ICE review (28 d + 7d)																																															
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	Open Cut Design - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)																																															
TWD-590	ELS - Submit to GEO (Dewatering Proposal)	28	25-Jul-24	21-Aug-24	04-Oct-24	31-Oct-24	71	ELS - Submit to GEO (Dewatering Proposal)																																															
TWD-330	Open Cut Design - Obtain Approval	7	15-Aug-24	21-Aug-24	25-Oct-24	31-Oct-24	71	Open Cut Design - Obtain Approval																																															
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	Walkway - Prepare & Submission for PM's review																																															
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	Walkway - Review by PM's & ICE review (28 d + 7d)																																															
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	Walkway - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)																																															
TWD-630	ELS - Submit to GEO (Dewatering Proposal)	28	25-Jul-24	21-Aug-24	23-Jul-25	19-Aug-25	363	ELS - Submit to GEO (Dewatering Proposal)																																															
TWD-640	Walkway - Obtain Approval	7	15-Aug-24	21-Aug-24	13-Aug-25	19-Aug-25	363	Walkway - Obtain Approval																																															
Contractor's Permanent Works Design (Include ATAL)		1562	30-Jan-21 A	10-May-25	22-Aug-21	09-Nov-27	912																																																
AIP		366	30-Jan-21 A	30-Jan-22	22-Aug-21	09-Nov-27	2108																																																
Package 1A - Mainstream Bio-Reactor System (AGS)		101	30-Jan-21 A	28-May-21 A	22-Aug-21	22-Aug-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	22-Aug-21	22-Aug-21		Report for Mainstream Bio-Reactor System (AGS) - Prepare & Submission for PM's review																																															
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	22-Aug-21	22-Aug-21		AIP Report for Mainstream Bio-Reactor System (AGS) - Review by PM's & ICE review (28 d + 7d)																																															
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	22-Aug-21	22-Aug-21		AIP Report for Mainstream Bio-Reactor System (AGS) - Resubmission for further review																																															
AIP-450	E&M AIP Report for Mainstream Bio-Reactor System (AGS) - Obtain Approval	7	04-May-21 A	28-May-21 A	22-Aug-21	22-Aug-21		E&M AIP Report for Mainstream Bio-Reactor System (AGS) - Obtain Approval																																															
Package 2A - Tertiary Treatment System (TTS)		80	28-Apr-21 A	16-Jul-21 A	19-Jan-22	19-Jan-22																																																	



- Remaining Level of Effort
- DWP Re.3
- Actual Work
- Remaining Work
- Critical Remaining Work

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

Detailed Works Programme

Project ID : DWP.DPr4_210730
 Layout : DC201910 DWP rev.4
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Detailed Works Programme			
Date	Revision	Checked	Approved
31-Jul-21	Rev. 4		
30-Jun-21	Rev. 3		
31-May-21	Rev. 2		

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Late Start	Late Finish	Total Float	2022 2023 2024 2025 2026 2027 2028																											
								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
ADB-1020A50	Site Formation	6	20-Apr-21 A	26-Apr-21 A	21-Aug-21	21-Aug-21																													
ADB-1020A60	Construction/Installation	24	27-Apr-21 A	26-May-21 A	21-Aug-21	21-Aug-21																													
ADB-1020A70	E&M Installation and T&C	20	01-Jun-21 A	24-Jun-21 A	21-Aug-21	21-Aug-21																													
ADB-1020A80	Relocation of Admin Office (Non-MIC)	20	25-Jun-21 A	20-Jul-21 A	21-Aug-21	21-Aug-21																													
ADB Construction of New AB and Demolition																																			
ADB-1220	ADB - Predrill	21	02-Apr-24	26-Apr-24	02-Jul-24	25-Jul-24	73																												
ADB-1090	ADB - Driven H-pile (63 nos. @ave.1no/d/rig, 1rig)	63	28-May-24	10-Aug-24	26-Jul-24	09-Oct-24	49																												
ADB-1230	ADB - Monitoring Installation and Pumping Test	21	08-Aug-24	31-Aug-24	07-Oct-24	31-Oct-24	49																												
ADB-1100	ADB - H-pile Testing	18	12-Aug-24	31-Aug-24	10-Oct-24	31-Oct-24	49																												
ADB-1110	ADB - Open Cut Excavation (+7.8 to +3.85mPD) at 30o Slope	24	02-Sep-24	30-Sep-24	01-Nov-24	28-Nov-24	49																												
ADB-1240	ADB - Submit to GEO (24d)	24	02-Sep-24	30-Sep-24	01-Nov-24	28-Nov-24	49																												
ADB-1120	ADB - Structure (+3.85 to +6.85mPD)	53	02-Oct-24	03-Dec-24	29-Nov-24	07-Feb-25	49																												
NMM-2024	PS 1.105A Noise Mitigation Measures 2024-2025	151	01-Nov-24*	31-Mar-25	01-Nov-24	31-Mar-25	0																												
ADB-1130	ADB - Structure (+6.85 to +9.85mPD)	48	04-Dec-24	06-Feb-25	08-Feb-25	04-Apr-25	49																												
ADB-1140	ADB - Structure (+9.85 to +12.85mPD)	48	07-Feb-25	03-Apr-25	07-Apr-25	07-Jun-25	49																												
EBS-2025	Egrets Breeding Season 2025	184	01-Mar-25*	31-Aug-25	01-Mar-25	31-Aug-25	0																												
ADB-1150	ADB - Structure (+12.85 to 15.25mPD)	48	04-Apr-25	06-Jun-25	09-Jun-25	04-Aug-25	49																												
ADB-1160	ADB - Wet Trades/Builder's Works/Watertight	78	07-Jun-25	06-Sep-25	05-Aug-25	06-Nov-25	49																												
ADB E&M Installation																																			
ADB-1170	ADB - BS and ABWF Works	192	07-Jun-25	24-Jan-26	07-Jan-26	02-Sep-26	176																												
ADB-1180	ADB - Modification of Existing Emergency Bypass Chamber	120	07-Jun-25	28-Oct-25	19-Jan-26	20-Jun-26	186																												
ADB-1190	ADB - External Works	80	30-Oct-25	03-Feb-26	22-Jun-26	23-Sep-26	186																												
ADB Handover and Inspection																																			
ADB-1200	ADB - Handover	18	26-Jan-26	14-Feb-26	03-Sep-26	23-Sep-26	176																												
Zone 2 Construction																																			
Overhaul, Relocation and Diversion Works																																			
Z2D-4240	Completion of Overhaul, relocation and diversion (Zone 2)	0	09-Nov-20 A	21-Jan-22	04-Aug-21	29-Jan-22	7																												
Overhaul Works for FST Nos.1, 2, 3 & 4																																			
Z2D-1000	Submit/Approve Method Statement	55	09-Nov-20 A	04-Oct-21	04-Aug-21	06-Oct-21	2																												
Z2D-1010	Procurement of parts	115	09-Nov-20 A	01-Apr-21 A	04-Aug-21	04-Aug-21																													
Z2D-4250	Completion of Overhaul FST	0		04-Oct-21*		06-Oct-21	2																												
FST No. 1																																			
Z2D-3000	Isolation and Conduct Pre-test for FST No.1	14	15-Jan-21 A	30-Jan-21 A	04-Aug-21	04-Aug-21																													
Z2D-3010	Bamboo Scaffolding Construction	7	01-Feb-21 A	08-Feb-21 A	04-Aug-21	04-Aug-21																													
Z2D-3020	Replacement of Screws for Rotatory Bridge	17	09-Feb-21 A	06-Mar-21 A	04-Aug-21	04-Aug-21																													
Z2D-3030	Replacement of Scraper Frame Robs	12	08-Mar-21 A	20-Mar-21 A	04-Aug-21	04-Aug-21																													
Z2D-3040	Disassembly of Scraper Drive Unit / Penstock Actuators / Valves	4	22-Mar-21 A	25-Mar-21 A	04-Aug-21	04-Aug-21																													
Z2D-3050	Reconditioning and Replacement of Scraper Driver Units	22	26-Mar-21 A	24-Apr-21 A	04-Aug-21	04-Aug-21																													
Z2D-3060	Return of all Drive Units and Centre Bearing for Reassembly	5	26-Apr-21 A	30-Apr-21 A	04-Aug-21	04-Aug-21																													
Z2D-3070	Power Reconnection and Testing	2	03-May-21 A	04-May-21 A	04-Aug-21	04-Aug-21																													
FST No. 4																																			
Z2D-3080	Switch Duty from FST No. 4 to FST No. 1 or Others	2	05-May-21 A	06-May-21 A	04-Aug-21	04-Aug-21																													
Z2D-3085	Isolation and Conduct Pre-test for FST No.4	2	07-May-21 A	08-May-21 A	04-Aug-21	04-Aug-21																													
Z2D-3090	Drain Out Swage and Tank Cleaning for FST No. 4	4	10-May-21 A	13-May-21 A	04-Aug-21	04-Aug-21																													
Z2D-3095	Bamboo Scaffolding Construction	2	14-May-21 A	15-May-21 A	04-Aug-21	04-Aug-21																													
Z2D-3100	Replacement of Screws for Rotatory Bridge	10	17-May-21 A	28-May-21 A	04-Aug-21	04-Aug-21																													
Z2D-3110	Replacement of Scraper Frame Robs	12	17-May-21 A	31-May-21 A	04-Aug-21	04-Aug-21																													
Z2D-3130	Reconditioning and Replacement of Scraper Driver Units	15	29-May-21 A	16-Jun-21 A	04-Aug-21	04-Aug-21																													
Z2D-3120	Disassembly of Scraper Drive Unit / Penstock Actuators / Valves	13	01-Jun-21 A	16-Jun-21 A	04-Aug-21	04-Aug-21																													
Z2D-3140	Return of all Drive Units and Centre Bearing for Reassembly	4	17-Jun-21 A	21-Jun-21 A	04-Aug-21	04-Aug-21																													
Z2D-3150	Power Reconnection and Testing	3	22-Jun-21 A	24-Jun-21 A	04-Aug-21	04-Aug-21																													
FST No. 3																																			
Z2D-3160	Switch Duty from FST No. 3 to FST No. 1 or Others	2	25-Jun-21 A	26-Jun-21 A	04-Aug-21	04-Aug-21																													
Z2D-3240	Isolation and Conduct Pre-test for FST No.3	2	28-Jun-21 A	29-Jun-21 A	04-Aug-21	04-Aug-21																													
Z2D-3250	Drain Out Swage and Tank Cleaning for FST No. 3	4	30-Jun-21 A	05-Jul-21 A	04-Aug-21	04-Aug-21																													
Z2D-3170	Bamboo Scaffolding Construction	2	06-Jul-21 A	07-Jul-21 A	04-Aug-21	04-Aug-21																													
Z2D-3180	Replacement of Screws for Rotatory Bridge	10	08-Jul-21 A	19-Jul-21 A	04-Aug-21	04-Aug-21																													
Z2D-3190	Replacement of Scraper Frame Robs	12	08-Jul-21 A	21-Jul-21 A	04-Aug-21	04-Aug-21																													
Z2D-3210	Reconditioning and Replacement of Scraper Driver Units	15	20-Jul-21 A	05-Aug-21	04-Aug-21	07-Aug-21	2																												
Z2D-3200	Disassembly of Scraper Drive Unit / Penstock Actuators / Valves	13	22-Jul-21 A	05-Aug-21	04-Aug-21	07-Aug-21	2																												
Z2D-3220	Return of all Drive Units and Centre Bearing for Reassembly	4	06-Aug-21	10-Aug-21	09-Aug-21	12-Aug-21	2																												
Z2D-3230	Power Reconnection and Testing	3	11-Aug-21	13-Aug-21	13-Aug-21	16-Aug-21	2																												
FST No. 2																																			
Z2D-3260	Switch Duty from FST No. 2 to FST No. 1 or Others	2	14-Aug-21	16-Aug-21	17-Aug-21	18-Aug-21	2																												
Z2D-3340	Isolation and Conduct Pre-test for FST No.2	2	17-Aug-21	18-Aug-21	19-Aug-21	20-Aug-21	2																												
Z2D-3350	Drain Out Swage and Tank Cleaning for FST No. 2	4	19-Aug-21	23-Aug-21	21-Aug-21	25-Aug-21	2																												
Z2D-3270	Bamboo Scaffolding Construction	2	24-Aug-21	25-Aug-21	26-Aug-21	27-Aug-21	2																												
Z2D-3280	Replacement of Screws for Rotatory Bridge	10	26-Aug-21	06-Sep-21	28-Aug-21																														

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Late Start	Late Finish	Total Float	2022 2023 2024 2025 2026 2027 2028																																																									
								2022				2023				2024				2025				2026				2027				2028																																	
								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																										
Z2D-4290	Submit/Approve Design for Sheetpiles	55	01-Jun-21	05-Aug-21	06-Oct-21	09-Oct-21	54	Submit/Approve Design for Sheetpiles																																																									
Z2D-4310	Procurement and Delivery of Sheetpiles	21	06-Aug-21	30-Aug-21	11-Oct-21	04-Nov-21	54	Procurement and Delivery of Sheetpiles																																																									
Z2D-4280	Submit/Approve Method Statement for Sheetpiling Works	15	13-Aug-21	30-Aug-21	19-Oct-21	04-Nov-21	54	Submit/Approve Method Statement for Sheetpiling Works																																																									
MBR-1010	MBR Stage 1 - Sheet Piles Install (approx. 391m, 9,390m2 @ 120m2/d)	78	12-Oct-21	14-Jan-22	05-Nov-21	14-Feb-22	20	MBR Stage 1 - Sheet Piles Install (approx. 391m, 9,390m2 @ 120m2/d)																																																									
Z2D-4270	Completion Temporary Diversion	0		20-Jan-22		29-Jan-22	8	Completion Temporary Diversion																																																									
Aeration Tanks								56	21-Jan-22	02-Apr-22	15-Feb-22	26-Apr-22	16																																																				
Z2T-150	Demolition of Existing Aeration Tank No. 5, 6, 7 & 8	56	21-Jan-22	02-Apr-22	15-Feb-22	26-Apr-22	15	Demolition of Existing Aeration Tank No. 5, 6, 7 & 8																																																									
Z2T-152	Demolition of Return Activated Sludge Screw Pumps PS (16) & Chamber (33)	47	21-Jan-22	23-Mar-22	26-Feb-22	26-Apr-22	25	Demolition of Return Activated Sludge Screw Pumps PS (16) & Chamber (33)																																																									
Z2T-154	Demolition of Flow Measurement Chamber (34) & SSD Chamber (32)	24	24-Feb-22	23-Mar-22	25-Mar-22	26-Apr-22	25	Demolition of Flow Measurement Chamber (34) & SSD Chamber (32)																																																									
Z2T-154B	Demolition of Settled Sewage Overflow Chamber (31)	24	24-Feb-22	23-Mar-22	25-Mar-22	26-Apr-22	25	Demolition of Settled Sewage Overflow Chamber (31)																																																									
Z2T-150B	Demolition of Auxiliary Pumping Station (19)	24	07-Mar-22	02-Apr-22	24-Mar-22	25-Apr-22	15	Demolition of Auxiliary Pumping Station (19)																																																									
Final Sedimentation Tanks								139	05-Oct-21	26-Mar-22	23-Nov-21	29-Mar-22	2																																																				
Z2T-190	Demolition of Final Sedimentation Tank No.7-8 (6)	50	05-Oct-21	02-Dec-21	23-Nov-21	22-Jan-22	41	Demolition of Final Sedimentation Tank No.7-8 (6)																																																									
Z2T-180	Demolition of Final Sedimentation Tank No.5-6 (6 and 37)	50	21-Jan-22	26-Mar-22	24-Jan-22	29-Mar-22	2	Demolition of Final Sedimentation Tank No.5-6 (6 and 37)																																																									
Z2T-180B	Demolition of Washwater Pumping Station (18)	25	21-Jan-22	25-Feb-22	24-Jan-22	28-Feb-22	2	Demolition of Washwater Pumping Station (18)																																																									
Mainstream Bio-Reactor & Auxiliary Facility (MBR and AF)								1271	15-Jan-22	05-Feb-26	24-Mar-22	07-Nov-26	236																																																				
MBR Stage 1 and AF Structure								881	15-Jan-22	07-Nov-24	24-Mar-22	07-Nov-24	0																																																				
MBR Foundation and ELS Works								155	15-Jan-22	30-Jul-22	24-Mar-22	17-Aug-22	15																																																				
MBR-1460	MBR Stage 1 - Monitoring Installation and Pumping Test	21	15-Jan-22	15-Feb-22	29-Mar-22	26-Apr-22	56	MBR Stage 1 - Monitoring Installation and Pumping Test																																																									
MBR-1000	MBR Stage 1 - Site Clearance	25	07-Mar-22	04-Apr-22	24-Mar-22	26-Apr-22	15	MBR Stage 1 - Site Clearance																																																									
MBR-1440	MBR Stage 1 - Setup and Mobilization	7	28-Mar-22	04-Apr-22	19-Apr-22	26-Apr-22	15	MBR Stage 1 - Setup and Mobilization																																																									
MBR-1030	MBR Stage 1 - ELS Excavation (+5.0 to +4.0mPD)	15	06-Apr-22	26-Apr-22	27-Apr-22	16-May-22	15	MBR Stage 1 - ELS Excavation (+5.0 to +4.0mPD)																																																									
MBR-1040	MBR Stage 1 - Strut Installation S1 (+4.0mPD)	7	27-Apr-22	05-May-22	17-May-22	24-May-22	15	MBR Stage 1 - Strut Installation S1 (+4.0mPD)																																																									
MBR-1050	MBR Stage 1 - ELS Excavation (+4.0 to +0.5mPD)	15	27-Apr-22	16-May-22	17-May-22	02-Jun-22	15	MBR Stage 1 - ELS Excavation (+4.0 to +0.5mPD)																																																									
MBR-1060	MBR Stage 1 - Strut Installation S2 (+0.5mPD)	7	17-May-22	24-May-22	04-Jun-22	11-Jun-22	15	MBR Stage 1 - Strut Installation S2 (+0.5mPD)																																																									
MBR-1070	MBR Stage 1 - ELS Excavation (+0.5 to -2.5mPD)	15	17-May-22	02-Jun-22	04-Jun-22	21-Jun-22	15	MBR Stage 1 - ELS Excavation (+0.5 to -2.5mPD)																																																									
MBR-1080	MBR Stage 1 - Strut Installation S3 (-2.5mPD)	7	04-Jun-22	11-Jun-22	22-Jun-22	29-Jun-22	15	MBR Stage 1 - Strut Installation S3 (-2.5mPD)																																																									
MBR-1090	MBR Stage 1 - ELS Excavation (-2.5 to -5.5mPD)	15	04-Jun-22	21-Jun-22	22-Jun-22	09-Jul-22	15	MBR Stage 1 - ELS Excavation (-2.5 to -5.5mPD)																																																									
MBR-1100	MBR Stage 1 - Strut Installation S4 (-5.5mPD)	7	22-Jun-22	29-Jun-22	11-Jul-22	18-Jul-22	15	MBR Stage 1 - Strut Installation S4 (-5.5mPD)																																																									
MBR-1110	MBR Stage 1 - ELS Excavation (-5.5 to -9.3mPD)	15	22-Jun-22	09-Jul-22	11-Jul-22	27-Jul-22	15	MBR Stage 1 - ELS Excavation (-5.5 to -9.3mPD)																																																									
MBR-1120	MBR Stage 1 - Strut Installation S5 (-8.2mPD)	7	11-Jul-22	18-Jul-22	28-Jul-22	04-Aug-22	15	MBR Stage 1 - Strut Installation S5 (-8.2mPD)																																																									
MBR-1130	MBR Stage 1 - ELS Excavation (-9.3 to -12.3mPD)	18	11-Jul-22	30-Jul-22	28-Jul-22	17-Aug-22	15	MBR Stage 1 - ELS Excavation (-9.3 to -12.3mPD)																																																									
MBR Foundation and ELS Works Stage 2								216	01-Mar-24	07-Nov-24	01-Mar-24	07-Nov-24	0																																																				
MBR-1240	Egrets Breeding Season 2024	184	01-Mar-24	31-Aug-24	01-Mar-24	31-Aug-24	0	Egrets Breeding Season 2024																																																									
MBR-1280	MBR Stage 2 - Site Clearance	9	26-Apr-24	07-May-24	11-May-24	22-May-24	12	MBR Stage 2 - Site Clearance																																																									
MBR-1450	MBR Stage 2 - Site Setup & Mobilization	7	08-May-24	16-May-24	23-May-24	30-May-24	12	MBR Stage 2 - Site Setup & Mobilization																																																									
MBR-1290	MBR Stage 2 - Sheet Piles Install (9,286m2 @ 120m2/d)	77	31-May-24	30-Aug-24	31-May-24	30-Aug-24	0	MBR Stage 2 - Sheet Piles Install (9,286m2 @ 120m2/d)																																																									
MBR-1470	MBR Stage 2 - Monitoring Installation and Pumping Test	21	07-Aug-24	30-Aug-24	07-Aug-24	30-Aug-24	0	MBR Stage 2 - Monitoring Installation and Pumping Test																																																									
MBR-1300	MBR Stage 2 - ELS Excavation (+5.0 to +4.0mPD)	11	31-Aug-24	12-Sep-24	31-Aug-24	12-Sep-24	0	MBR Stage 2 - ELS Excavation (+5.0 to +4.0mPD)																																																									
MBR-1310	MBR Stage 2 - Strut Installation S1 (+4.0mPD)	5	13-Sep-24	19-Sep-24	16-Oct-24	21-Oct-24	25	MBR Stage 2 - Strut Installation S1 (+4.0mPD)																																																									
MBR-1320	MBR Stage 2 - ELS Excavation (+4.0 to +0.5mPD)	11	13-Sep-24	26-Sep-24	13-Sep-24	26-Sep-24	0	MBR Stage 2 - ELS Excavation (+4.0 to +0.5mPD)																																																									
MBR-1330	MBR Stage 2 - Strut Installation S2 (+0.5mPD)	5	27-Sep-24	03-Oct-24	22-Oct-24	26-Oct-24	19	MBR Stage 2 - Strut Installation S2 (+0.5mPD)																																																									
MBR-1340	MBR Stage 2 - ELS Excavation (+0.5 to -2.5mPD)	11	27-Sep-24	10-Oct-24	27-Sep-24	10-Oct-24	0	MBR Stage 2 - ELS Excavation (+0.5 to -2.5mPD)																																																									
MBR-1350	MBR Stage 2 - Strut Installation S3 (-2.5mPD)	5	12-Oct-24	17-Oct-24	28-Oct-24	01-Nov-24	13	MBR Stage 2 - Strut Installation S3 (-2.5mPD)																																																									
MBR-1360	MBR Stage 2 - ELS Excavation (-2.5 to -5.5mPD)	11	12-Oct-24	24-Oct-24	12-Oct-24	24-Oct-24	0	MBR Stage 2 - ELS Excavation (-2.5 to -5.5mPD)																																																									
MBR-1370	MBR Stage 2 - Strut Installation S4 (-5.5mPD)	5	25-Oct-24	30-Oct-24	02-Nov-24	07-Nov-24	7	MBR Stage 2 - Strut Installation S4 (-5.5mPD)																																																									
MBR-1380	MBR Stage 2 - ELS Excavation (-5.5 to -9.3mPD)	12	25-Oct-24	07-Nov-24	25-Oct-24	07-Nov-24	0	MBR Stage 2 - ELS Excavation (-5.5 to -9.3mPD)																																																									
MBR Structure Stage 1								441	01-Aug-22	26-Jan-24	18-Aug-22	20-Feb-24	15																																																				
MBR-1140	MBR Stage 1 - Base/Grd Floor Slab	77	01-Aug-22	01-Nov-22	18-Aug-22	18-Nov-22	15	MBR Stage 1 - Base/Grd Floor Slab																																																									
MBR-1160	MBR Stage 1 - Wall and 1/F Slab	62	02-Nov-22	16-Jan-23	19-Nov-22	09-Feb-23	15	MBR Stage 1 - Wall and 1/F Slab																																																									
MBR-1180	MBR Stage 1 - Wall and Roof Slab	62	17-Jan-23	06-Apr-23	10-Feb-23	27-Apr-23	15	MBR Stage 1 - Wall and Roof Slab																																																									
MBR-1200	MBR Stage 1 - BS and ABWF Works	240	11-Apr-23	26-Jan-24	28-Apr-23	20-Feb-24	15	MBR Stage 1 - BS and ABWF Works																																																									
Ancillary Facilities Structure Stage 1								138	11-Apr-23	22-Sep-23	13-May-23	27-Oct-23	27																																																				
MBR-1150	Construct Ancillary Facilities - Structure Ground Floor	46	11-Apr-23	05-Jun-23	13-May-23	08-Jul-23	27	Construct Ancillary Facilities - Structure Ground Floor																																																									
MBR-1170	Construct Ancillary Facilities - Structure First Floor	46	06-Jun-23	31-Jul-23	10-Jul-23	31-Aug-23	27	Construct Ancillary Facilities - Structure First Floor																																																									
MBR-1190	Construct Ancillary Facilities - Structure Roof Floor	46	01-Aug-23	22-Sep-23	01-Sep-23	27-Oct-23	27	Construct Ancillary Facilities - Structure Roof Floor																																																									
MBR Stage 1 E&M Installation								331	24-Jul-23	04-Sep-24	28-Oct-23	23-Sep-24	15																																																				
MBR-1220	MBR - E&M Stage 1 Sludge Pre-thickeners System	170	24-Jul-23	20-Feb-24	28-Oct-23	30-May-24	80	MBR - E&M Stage 1 Sludge Pre-thickeners System																																																									
MBR-1209	MBR Stage 1 - E&M Handover	0	24-Jul-23		28-Oct-23		80	MBR Stage 1 - E&M Handover																																																									
MBR-1210	MBR - E&M Stage 1 AGS System	170	23-Sep-23	26-Apr-24	28-Oct-23	30-May-24	27	MBR - E&M Stage 1 AGS System																																																									
MBR-1230	MBR - E&M Stage 1 Penstock/stoplogs	80	27-Jan-24	11-May-24	21-Feb-24	30-May-24	15	MBR - E&M Stage 1 Penstock/stoplogs																																																									
MBR-1250	MBR - E&M Stage 1 Instrumentation	45	13-May-24	06-Jul-24	31-May-24	24-Jul-24	15	MBR - E&M Stage 1 Instrumentation																																																									
MBR-1260	MBR - E&M Stage 1 Electrical (Cabling/LCP Termination)	96	13-May-24	04-Sep-24	31-May-24	23-Sep-24	15	MBR - E&M Stage 1 Electrical (Cabling/LCP Termination)																																																									
MBR-1270	MBR - E&M Stage 1 BS Installation (ELV, Ventilation, FS, PD)	96	13-May-24	04-Sep-24	31-May-24	23-Sep-24	15	MBR - E&M Stage 1 BS Installation (ELV, Ventilation, FS, PD)																																																									
MBR Stage 2 Structure								308	08-Nov-24	24-Nov-25	08-Nov-24	05-Feb-26	60																																																				
MBR Structure Stage 2								308	08-Nov-24	24-Nov-25	08-Nov-24	05-Feb-26	60																																																				
MBR-1390	MBR Stage 2 - Base/Grd Floor Slab	40	08-Nov-24	24-Dec-24	08-Nov-24	24-Dec-24	0	MBR Stage 2 - Base/Grd Floor Slab																																																									
MBR-1400	MBR Stage 2 - Wall and 1/F Slab	44	27-Dec-24	22-Feb-25	27-Dec-24	22-Feb-25	0	MBR Stage 2 - Wall and 1/F Slab																																																									
MBR-1420	MBR Stage 2 - Wall and Roof Slab	44	24-Feb-25	16-Apr-25	24-Feb-25	16-Apr-25	0	MBR Stage 2 - Wall and Roof Slab																																																									
MBR-1430	MBR Stage 2 - BS and ABWF Works	180	17-Apr-25	24-Nov-25	04-Jul-25	05-Feb-26	60	MBR Stage 2 - BS and ABWF Works																																																									
MBR Stage 2 E&M Installation								118	17-Apr-25	09-Sep-25	17-Apr-25	05-Feb-26	122																																																				
ATAMBR-1030	MBR - E&M Stage 2 AGS System	70	17-Apr-25	15-Jul-25	17-Apr-25	15-Jul-25	0	MBR - E&M Stage 2 AGS System																																																									
ATAMBR-1040	MBR - E&M Stage 2 Sludge Pre-thickeners System	70	17-Apr-25	15-Jul-25	17-Apr-25	15-Jul-25	0	MBR - E&M Stage 2 Sludge Pre-thickeners System																																																									
ATAMBR-1050	MBR - E&M Stage 2 Penstock/stoplogs	48	17-Apr-25	18-Jun-25	19-May-25	15-Jul-25	22	MBR - E&M Stage 2 Penstock/stoplogs																																																									
ATAMBR-1049	MBR Stage 2 - E&M Handover	0	17-Apr-25		19-May-25		22	MBR Stage 2 - E&M Handover																																																									
ATAMBR-1060	MBR - E&M Stage 2 Instrumentation	24	16-Jul-25	12-Aug-25	16-Jul-25	12-Aug-25	0	MBR - E&M Stage 2 Instrumentation																																																									
ATAMBR-1070	MBR - E&M Stage 2 Electrical (Cabling/LCP Termination)	30	16-Jul-25	19-Aug-25	02-Jan-26	05-Feb-26	140	MBR - E&M Stage 2 Electrical (Cabling/LCP Termination)																																																									
ATAMBR-1080	MBR - E&M Stage 2 BS Installation (ELV, Ventilation, FS, PD)	48	16-Jul-25	09-Sep-25	16-Jul-25	09-Sep-25	0	MBR - E&M Stage 2 BS Installation (ELV, Ventilation, FS, PD)																																																									
MBR and AF E&M T&C								445	05-Sep-24	05-Feb-26	24-Sep-24	05-Feb-26	0																																																				
ATAMBR-1000	MBR - AGS Stage 1 - T&C - Equipment SAT	87	05-Sep-24	18-Dec-24	24-Sep-24	08-Jan-25	15	MBR - AGS Stage 1 - T&C - Equipment SAT																																																									
ATAMBR-1010	MBR - AGS T&C - Seeding (20,000 m3/d)	16	19-Dec-24	09-Jan-25	09-Jan-25	27-Jan-25	15	MBR - AGS T&C - Seeding (20,000 m3/d)																																																									
ATAMBR-1020	AGS - T&C - Sludge Stabilisation (20,000 m3/d)	132	10-Jan-25	26-Jun-25	03-Feb-25	15-Jul-25	15	AGS - T&C - Sludge Stabilisation (20,000 m3/d)																																																									
ATAMBR-1150	MBR - AGS Testing and Commissioning Plan Submission and Approval	120	21-Jun-25	12-Nov-25	21-Jun-25	12-Nov-25	0	MBR - AGS Testing and Commissioning Plan Submission and Approval																																																									
ATAMBR-1090	AGS - T&C - Process Start-up (35,000 m3/d)	70	27-Jun-25	17-Sep-25	16-Jul-25	06-Oct-25	15	AGS - T&C - Process Start-up (35,000 m3/d)																																																									
ATAMBR-1100	MBR - AGS Stage 2 - T&C - Equipment SAT	52	10-Sep-25	12-Nov-25	10-Sep-25	12-Nov-25	0	MBR - AGS Stage 2 - T&C - Equipment SAT																																																									



- █ Remaining Level of Effort
- █ DWP Re.3
- █ Actual Work
- █ Remaining Work
- █ Critical Remaining Work

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

Detailed Works Programme

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Detailed Works Programme			
Date	Revision	Checked	Approved
31-Jul-21	Rev. 4		
30-Jun-21	Rev. 3		
31-May-21	Rev. 2		

