CONTRACT NO. SPW 12/2021

SHEK WU HUI EFFLUENT POLISHING PLANT – MAIN WORK

UNDER FURTHER ENVIRONMENTAL PERMIT NO. FEP-02/474/2013

QUARTERLY ENVIRONMENTAL MONITORING & AUDIT REPORT

- APRIL TO JUNE 2023 -

CLIENTS:

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01 December 2023

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Contract No. SPW 13/2021

Shek Wu Hui Effluent Polishing Plant – Main Work

Quarterly Environmental Monitoring & Audit Report

April to June 2023

(December 2023)

Verified by:	Claudine Lee
Position:	Independent Environmental Checker
Date:	6 December 2023

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EXECUTIVE SUMMARY

i. This is the Quarterly Environmental Monitoring and Audit (EM&A) Report – April to June 2023 of Shek Wu Hui Effluent Polishing Plant – Main Work under Further Environmental Permit no. FEP-02/474/2013 (Hereafter as "the Project"). This is the 8th EM&A quarterly report prepared by Environmental Team under Contract No. SPW 12/2021, presenting the environmental monitoring findings and information recorded during the period of 1 April 2023 to 30 June 2023.

Construction Activities for the Reporting Quarter

ii. During this reporting period, the principal work activities of individual contracts are summed up in ***Table I***.

Table I Summary table of principal work activities in the reporting period

Contract No.	Contract Title	Month / Year	Principal work activities
DC/2018/06	Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1 - Civil Works for Sludge Treatment Facilities and 132kV Primary Substation	April 2023	• RC works • Backfilling • Sewage, utility and pipe works • ABWF works • ELS sheet pipe removal • Construction of Outfall at Ng Tung River
		May 2023	• RC works • Pipe jacking • Sewage, utility and pipe works • ABWF works • ELS
		June 2023	• RC works • Pipe jacking • Sewage, utility and pipe works • Road works • ABWF works • ELS

DC/2018/07	Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1 - Civil Works for Sewage Treatment Facilities	April 2023	• ELS works • Sheet piling • Excavation • RC works • Pile laying
		May 2023	• RC works • Pipe laying
		June 2023	• RC works • ABWF works • Pile laying
DE/2018/03	Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1 - Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities	April & May 2023	• Superstructure works • Electrical Installation • Pipework Installation • MFA and AFA Installation • SPR Installation • Plumbing installation • MVAC Installation • EOT and Monorail Installation • Bio-Gas Holding tank Installation • Penstock and Stoplog Installation • Delivery and Installation of THP System
		June 2023	• Superstructure works • Electrical Installation • MFA and AFA Installation • SPR Installation • Plumbing installation • MVAC Installation • EOT and Monorail Installation • Bio-Gas Holding tank Installation • Penstock and Stoplog Installation • Delivery and Installation of THP System • Steam Boiler System Transportation

			and Installation
DE/2018/04	Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1 - E&M Works for Sewage Treatment Facilities	April & May 2023	• Improvement Works for Temporary Primary Sludge Thickener and its accessories • E&M works for Leachate Pre-treatment Plant at existing compressor house.
		June 2023	• Improvement Works for Temporary Primary Sludge Thickener and its accessories • E&M works for Leachate Pre-treatment Plant at existing compressor house and BR No 3&4. • E&M works at Portion B-5, MFB2. • E&M works at Portion B-7, including DOU No.3A, Emergency Generator House and FS & Sprinkler Pumping Room, Chemical System No.1, Street Fire Hydrant & Booster Pump Room and Temporary Chemical System

iii. Implementation of the key mitigation measures during the reporting quarter

Table II Summary table of key mitigation measures implemented in the reporting period according to the contract no.

Contract No. DC/2018/06		
Apr 2023	Water Quality	Contractor was reminded to review the wastewater treatment capacity to ensure no muddy water discharge in the upcoming rainy season.
	Water Quality	Silt and stockpile was observed at site boundary near outfall. The Contractor was advised to remove the silt and stockpile near site boundary..
	Waste Management	The Contractor was reminded to provide a drip tray to the chemical container stored at SDB.
May 2023	Air Quality	Dust suppression measures should be provided to the exposed stockpile.

	Water Quality	Contractor was reminded to provide bunding to the U-channel to prevent discharge of site-runoff.
	Waste Management	Drip tray should be provided to the oil drums.
June 2023	Air Quality	Contractor should clean up the muddy tire tracks outside the site access.
	Water Quality	Contractor was advised to remove the blue water hose from the U-channel to prevent discharge of muddy water.
Contract No. DC/2018/07		
April 2023	-	-
May 2023	Water Quality	Contractor was advised to remove the blue hose from the U-channel to prevent discharge of muddy water.
	Air Quality	NRMM label should be affixed on the crane.
	Air Quality	Contractor was reminded to replace the faded NRMM label on the generator near MFB2
Jun 2023	Waste Management	Drip tray should be provided to the chemical containers.
Contract No. DE/2018/03		
Apr 2023	Air Quality	The Contractor was reminded to replace the decolored NRMM label on the generator at the sidestream.
May 2023	Waste Management	Contractor was reminded to remove the stagnant water in the drip tray (sidestream).
Jun 2023	Air Quality	NRMM label should be affixed on the generator near Bio-gas Tank.
Contract No. DE/2018/04		
Apr 2023	Waste Management	Contractor was reminded to provide proper storage for reusable materials and general refuse.
May 2023	-	-
Jun 2023	Waste Management	Contractor was reminded to label the waste skip the separate C&D and general waste.

Summary of Exceedances, Investigation and Follow-up

Noise Monitoring

iv. Noise monitoring were conducted at noise monitoring stations namely, NM1 – G/F, Wai Loi Tsuen, NM2 – G/F, Fu Tei Au and NM3 – G/F, Man Kok Village on a weekly basis in the reporting period.

v. No action or limit level exceedance was recorded in this reporting quarter.

Air Quality Monitoring

vi. 1-hour Total Suspended Particulates (TSP) monitoring was conducted at air quality monitoring stations namely, AM1 – Wai Loi Tsuen, AM2 – Fu Tei Au ; 24-hour TSP monitoring was conducted at air quality monitoring stations namely, AM1a* – Site boundary of the Shek Wu Hui STW (East), Roof floor of the control room of SWHSTW and AM2a – Site Boundary of the Shek Wu Hui STW (North). 24-hour TSP shall be sampled at least once in every 6 days, while sampling for 1-hour TSP shall be at least 3 times in every 6 day in the reporting month.

vii. Power failure was encountered at AM2a on 10 April 2023, so the 24hr AQM for AM2a was temporarily suspended and has been resumed on 15 April 2023.

viii. No action or limit level exceedance was recorded in this reporting quarter.

Ecological Monitoring

ix. Ecological monitoring conducted on a weekly basis at both high and low tides (it is considered high tide when tidal levels are above 1.5m and low tide when tidal level are below 1.5m at Tsim Bei Tsui Station). The magnitude of how much above or below 1.5m was subject to tidal conditions of that week as it varied throughout different times of the year. Nonetheless, the high and low tide relative to that week's tidal condition were taken into consideration.

x. No action or limit level exceedance was triggered in this reporting quarter.

Water Quality Monitoring

xi. Water quality monitoring was conducted at two monitoring stations, M1 – Impact Station and C1 – Control Station, three days per week in the reporting month.

xii. Eighteen (18) limit level exceedances and three (3) action level exceedances were recorded in the reporting quarter. After investigations, all recorded exceedances were considered non-project related.

Table III Summary table of non-compliance (exceedances) in the reporting period

Parameter	No. of Exceedance		Investigation result
	Action Level	Limit Level	
April 2023			
Air Quality (1-hour TSP)	0	0	-
Air Quality (24-hour TSP)	0	0	-
Noise	0	0	-

Ecology	0	0	-
Water Quality	1	11	All recorded exceedances were non-project related.
May 2023			
Air Quality (1-hour TSP)	0	0	-
Air Quality (24-hour TSP)	0	0	-
Noise	0	0	-
Ecology	0	0	-
Water Quality	2	7	All recorded exceedances were non-project related.
June 2023			
Air Quality (1-hour TSP)	0	0	-
Air Quality (24-hour TSP)	0	0	-
Noise	0	0	-
Ecology	0	0	-

Complaints, Notifications of Summons and Successful Prosecutions

i. No environmental complaints, notification of summons and successful prosecution regarding the construction works was recorded in the reporting quarter.

Table IV Summary table of complaints, summons and successful prosecutions in the reporting period

Events	Number	Brief description	Follow up and remedial actions	Status and remarks
Complaints	0	-	-	-
Notification of Summons and Successful Prosecution	0	-	-	-

Reporting Changes

ii. As confirmed by the Engineer, the construction of outfall has already been finished. Therefore ET proposed to suspend the water quality monitoring. The proposal has been verified by IEC on 22 May 2023 and approved by EPD on 31 May 2023, therefore, the water quality monitoring has been suspended since 1 June 2023.

Future Key Issues

iii. In the next reporting period, the principal work activities of individual contracts are anticipated as follows.

Table V Summary table of anticipated work activities in the next reporting period

Contract No. DC/2018/06
• RC works • Pipe jacking • Sewage, utility and pipe works • Road works • ABWF works • ELS
Contract No. DC/2018/07
• RC works • ABWF works • Pile laying
Contract No. DE/2018/03
• Superstructure works • Electrical Installation • Pipework Installation • MFA and AFA Installation • SPR Installation • Plumbing installation • MVAC Installation • EOT and Monorail Installation • Bio-Gas Holding tank Installation • Penstock and Stoplog Installation • Delivery and Installation of THP System • Steam Boiler System Transportation and Installation • Draft Tube Mixer Installation
Contract No. DE/2018/04
• Improvement works for Temporary Primary Sludge Thickener and its accessories. • E&M & civil works for Leachate Pre-treatment Plant at existing compressor house and BR No 3&4. • E&M works at Portion B-5, MFB2. • E&M works at Portion B-7, including DOU No.3A, Emergency Generator House and FS & Sprinkler Pumping Room, Chemical System No.1, Street Fire Hydrant & Booster Pump Room and Temporary Chemical System.

- E&M works at Portion B-4, BR 2A & 2B.
- E&M works at Portion B-2, Inert works.

1 Introduction

1.1 Scope of the Report

1.1.1. Lam Environmental Services Limited (LES) has been appointed to work as the Environmental Team (ET) under Environmental Permit (EP) No. FEP-02/474/2013 to implement the Environmental Monitoring and Audit (EM&A) programme as stipulated in the EM&A Manual of the approved Environmental Impact Assessment (EIA) Report for North East New Territories New Development Areas (Register No.: AEIAR-175/2013).

1.2 Structure of the Report

Section 1 ***Introduction*** – details the scope and structure of the report.

Section 2 ***Project Background*** – summarizes background and scope of the project, site description, project organization and contact details of key personnel during the reporting period.

Section 3 ***Environmental Monitoring and Audit Requirements*** – summarizes all monitoring parameters and methodology, no. of exceedances, influencing factors on the monitoring results.

Section 4 ***Compliance Audit*** – summarizes the auditing of monitoring results, all exceedances environmental parameters.

Section 5 **Complaints, Notification of Summons and Prosecution** – summarizes the cumulative statistics on complaints, notification of summons and prosecution.

Section 6 **Comments, Conclusion and Recommendations** – summarizes monitoring methodology, the effectiveness of EM&A Programme and mitigation measures, and recommendations based on findings during site audits.

2 Project Background

2.1 Background

2.1.1. The existing Shek Wu Hui Sewage Treatment Works (SWHSTW) has been operating and maintaining for 30 years by the Drainage Services Department (DSD). It provides secondary level treatment to sewage collected from Sheung Shui, Fanling and adjacent areas. SWHSTW was completed in two stages and expanded progressively in the past years. In 1984, Stage I of SWHSTW was commissioned with design capacity of 60,000 cubic meters per day (m^3 /day) at Average Dry Weather Flow (ADWF). In 2001, Stage II of SWHSTW was completed with design capacity enhanced to 80,000 m^3 /day at ADWF. In 2009, the expansion of SWHSTW was completed and its design capacity was increased to 93,000m^3 /day at ADWF.

2.1.2. Further expansion of SWHSTW has been planned to be carried out in order to cope with the forecast increase in flow from Fanling North and Kwu Tong North New Development Area (NDA) and other NDAs and developments in three phases, namely Phase 1A, 1B and 2, which are later revised to Main Works Stage 1, Stage 2 and Stage 3 respectively. The EIA study report (Register No.: AEIAR-175/2013) for the NENT NDAs Study covered the assessment for the Further Expansion of SWHSTW, which is a designated project under item F.1 and F.2 of Part 1, Schedule 2 of the EIA Ordinance. The location of the project site is shown in ***Figure 2.1.***

A Further EP was applied on 18 January 2018 to assume the responsibility for constructing and operating the SWHEPP Project up to a capacity of 190,000 m^3/day. The Further EP No. FEP-02/474/2013 was issued to DSD as permit holder on 15 February 2018. Due to overlapping of scope with the Further EP currently in force, the Further EP No. FEP-01/474/2013 was subsequently surrendered on 15 August 2018.

2.2 Project Organization and Contact Personnel

2.2.1. Drainage Service Department (DSD) is the overall project controllers for the Project. For the construction phase of the Project, Engineer's Representative, Contractor(s), Environmental Team and Independent Environmental Checker are appointed to manage and control environmental issues.

2.2.2. The project organization and lines of communication with respect to environmental protection works are shown in ***Figure 2.2***. Key personnel and contact particulars are summarized in ***Table 2.1***.

Table 2.1 Contact Details of Key Personnel

Party	Role	Post	Name	Contact No.
Drainage Services Department (DSD)	Permit Holder	Engineer	Ms. Li Lin	2594 7463
AECOM	Supervisor Representative	Resident Engineer	Mr. Alex Leung	3907 6145
Kwan Lee - Chun Wo Joint Venture	Contractor (DC/2018/06)	Environmental Engineer	Ms. Ruby Hui	6218 6408
		Assistant Environmental Engineer	Mr. Marco Chan	6235 6017
	Contractor (DC/2018/07)	Environmental Engineer	Ms. Barbara Yiu	9758 2034
JEC	Contractor (DE/2018/03)	Environmental Officer	Ms. Juliet Ting	6826 7319
Bestwise	Contractor (DE/2018/04)	Environmental Officer	Mr. Albus Cheung	9731 0831
Meinhardt Infrastructure and Environment Ltd.	Independent Environmental Checker (IEC)	Independent Environmental Checker (IEC)	Ms. Claudine Lee	9612 9229
Lam Environmental Services Limited	Environmental Team (ET)	Environmental Team Leader (ETL)	Mr. Raymond Dai	2882 3939

2.3 Principal Work and Activities

2.3.1. In the reporting month, the principal work activities conducted of individual contracts are as follow. ***Appendix 1.1*** lists the construction programmes of individual activities. The layout plans showing the locations of reported construction activities and key PME used for the works contracts in the reporting quarter are provided in ***Appendix 2.1***

Table 2.2 Summary table of principal work activities in the reporting period

Contract No.	Contract Title	Month / Year	Principal work activities
DC/2018/06	Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1 - Civil Works for Sludge Treatment Facilities and 132kV Primary Substation	April 2023	• RC works • Backfilling • Sewage, utility and pipe works • ABWF works • ELS sheet pipe removal • Construction of Outfall at Ng Tung River
		May 2023	• RC works • Pipe jacking • Sewage, utility and pipe works • ABWF works • ELS
		June 2023	• RC works • Pipe jacking • Sewage, utility and pipe works • Road works • ABWF works • ELS
DC/2018/07	Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1 - Civil Works for Sewage Treatment Facilities	April 2023	• ELS works • Sheet piling • Excavation • RC works • Pile laying
		May 2023	• RC works • Pipe laying
		June 2023	• RC works • ABWF works • Pile laying

DE/2018/03	Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1 - Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities	April & May 2023	• Superstructure works • Electrical Installation • Pipework Installation • MFA and AFA Installation • SPR Installation • Plumbing installation • MVAC Installation • EOT and Monorail Installation • Bio-Gas Holding tank Installation • Penstock and Stoplog Installation • Delivery and Installation of THP System
		June 2023	• Superstructure works • Electrical Installation • MFA and AFA Installation • SPR Installation • Plumbing installation • MVAC Installation • EOT and Monorail Installation • Bio-Gas Holding tank Installation • Penstock and Stoplog Installation • Delivery and Installation of THP System • Steam Boiler System Transportation and Installation
DE/2018/04	Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1 - E&M Works for Sewage Treatment Facilities	April & May 2023	• Improvement Works for Temporary Primary Sludge Thickener and its accessories • E&M works for Leachate Pre-treatment Plant at existing compressor house.
		June 2023	• Improvement Works for Temporary Primary Sludge Thickener and its accessories

			• E&M works for Leachate Pre-treatment Plant at existing compressor house and BR No 3&4. • E&M works at Portion B-5, MFB2. • E&M works at Portion B-7, including DOU No.3A, Emergency Generator House and FS & Sprinkler Pumping Room, Chemical System No.1, Street Fire Hydrant & Booster Pump Room and Temporary Chemical System

3 Environmental Monitoring and Audit Requirements

3.0.1. The environmental monitoring will be implemented based on the division of works areas of each designed projects. Overall layout showing work areas and monitoring stations is shown in ***Figure 2.1*** and ***Figure 4.1 – 4.3*** respectively. ***Appendix 3.1*** gives the details of the environmental monitoring requirements

3.0.2. The Action and Limit Levels for construction air quality, noise and ecological monitoring works are shown in ***Appendix 3.2***.

3.0.3. Mitigation measures according to the environmental mitigation implementation schedule and the EIA were generally implemented by the Contractor. The environmental mitigation implementation schedule is shown in ***Appendix 3.3***.

3.1 Weather conditions

3.1.1. The weather conditions were generally sunny, cloudy and with occasional rainstorms during the monitoring sessions of the reporting quarter. The details of weather conditions for each individual monitoring session were presented in the corresponding Monthly EM&A Reports within the reporting period.

3.2 Noise Monitoring Results

3.2.1. Noise monitoring results measured in this reporting period are reviewed and summarized. Graphical presentation of noise monitoring can be referred in ***Appendix 3.4.***

3.2.2. No action or limit level exceedance was recorded in this reporting quarter.

3.3 Air Monitoring Results

3.3.1. Both 1-hour and 24-hour TSP were all conducted as scheduled in the reporting period. Air quality monitoring results measured in this reporting period are reviewed and summarized. Graphical presentation of air quality monitoring can be referred in ***Appendix 3.5***.

3.3.2. Power failure was encountered at AM2a on 10 April 2023, so the 24hr AQM for AM2a was temporarily suspended and has been resumed on 15 April 2023.

3.3.3. No action or limit level exceedance was recorded in this reporting quarter.

3.4 Ecology Monitoring Results

3.4.1. Ecological monitoring was conducted as scheduled in the reporting period. Details of ecological monitoring results in the reporting period are provided in ***Appendix 3.6***.

3.4.2. No action or limit level exceedance was triggered in this reporting quarter.

3.5 Water Quality Monitoring Results

3.5.1. Water quality monitoring was conducted as scheduled in the reporting period. Details of water quality monitoring results in the reporting period are provided in ***Appendix 3.7***.

3.5.2. Eighteen (18) limit level exceedances and three (3) action level exceedances were recorded in the reporting quarter. After investigations, all recorded exceedances were considered non-project related.

3.6 Waste Management

3.6.1. The Summary Waste Flow Table is shown in ***Appendix 3.8***. Whenever possible, materials were reused on-site as far as practicable.

3.7 Landscape and Visual

3.7.1. Site audits were conducted on a bi-weekly basis and the landscape and visual mitigation measures of this project were monitored from time to time.

3.7.2. No non-compliance of the landscape and visual mitigation measures was recorded in the reporting quarter.

3.8 Influencing Factors on the Monitoring Results

3.8.1. In this reporting quarter, major noise and dust sources were recorded at designated monitoring stations and are shown below.

Table 3.1 Major noise sources during monitoring sessions in the reporting period

Monitoring Stations	Major Noise Source
NM1 - Wai Loi Tsuen	Railway Noise and Road Traffic at Sheung Shui Tung Hing Road
NM2 - Fu Tei Au	Construction noise from other construction projects
NM3 - Man Kok Village	Road traffic at Po Wan Road

Table 3.2 Major dust sources during monitoring sessions in the reporting period

Monitoring Stations	Major Dust Source
AM1 - Wai Loi Tsuen	Road Traffic at Sheung Shui Tung Hing Road
AM2 - Fu Tei Au	Construction activities from other construction projects
AM1a* - Site boundary of the Shek Wu Hui STW (East), Roof floor of the control room of SWHSTW	Operating machines and vehicle movement within SWHSTW
AM2a - Site Boundary of the Shek Wu Hui STW (North)	N/A

3.8.2. Major observations were also recorded at designated monitoring locations and are shown below

Table 3.3 Major observations during ecological monitoring in the reporting period

Monitoring locations	Observations	
	Project related	Non-project related
T1 (PC1, PC2)	N/A	Human Activities such as Cycling, and Fishing Construction activities such as footbridge construction, excavation, and breaking works
T2 (PC3, PC4)	Construction activities such as generator & welding works, Scaffolding, sedimentation tank, Excavation and crane	Human Activities such as Fishing, Cycling, and Landscape Planting Construction activities such as Sheet-piling, generator & welding works, Scaffolding, sedimentation tank, Excavation, crane and breaking works
PC5	Construction activities such as Excavation and crane	N/A
T3 (PC6, PC7)	Construction activities such as Sheet-piling	Human Activities such as Cycling and Fishing Construction activities such as Excavation, Sheet-piling, generator & wielding works, Scaffolding, lifting works

3.8.3. In this reporting quarter, major influence sources were recorded at designated monitoring stations and are shown below.

Table 3.4 Major water* influencing *sources during monitoring in the reporting period

Monitoring Stations	Major influencing source
M1 - Impact Station	- River from upstream of Ng Tung River - Discharge from Slaughterhouse
Control Station - Control Station	- River from upstream of Ng Tung River - Construction works from other construction project

4 Compliance Audit

4.0.1. Environmental monitoring works were performed in the reporting period and all monitoring results were checked and reviewed. The summary of exceedance of Action/Limit Level for environmental monitoring is presented in ***Appendix 4.1.***

4.0.2. The observations and recommendations made for each contract were shown in ***Appendix 4.2***.

4.1 Noise Monitoring

4.1.1. No action or limit level exceedance was recorded in this reporting quarter.

4.2 Air Quality Monitoring

4.2.1. No action or limit level exceedance was recorded in this reporting quarter.

4.3 Ecological Monitoring

4.3.1 No action or limit level exceedance was triggered in this reporting quarter.

4.4 Water Quality Monitoring

4.4.1 Eighteen (18) limit level exceedances and three (3) action level exceedances were recorded in the reporting quarter. After investigations, all recorded exceedances were considered non-project related.

4.5 Landscape and visual impact

4.5.1 No non-conformity for landscape and visual impact was recorded in the reporting quarter.

4.6 Review of the Reasons for and the Implications of Non-compliance

4.5.1. No environmental non-compliance was recorded in the reporting quarter.

4.7 Summary of action taken in the event of and follow-up on non-compliance

4.6.1. There was no particular action taken since no non-compliance was recorded in the reporting quarter.

5 Complaints, Notification of Summons and Prosecution

5.0.1 No environmental complaints, notification of summons and successful prosecution regarding construction works was recorded in the reporting quarter.

5.0.2 The details environmental complaints, notification of summons and successful prosecution for the Project are summarized by complaint log in ***Appendix 5.1.***

5.0.3 Cumulative statistics on complaints and successful prosecutions are summarized in ***Table 5.1*** and ***Table 5.2*** respectively.

Table 5.1 Cumulative Statistics on Complaints

Reporting Period	No. of Complaints
Commencement works to March 2023	4
April 2023	0
May 2023	0
June 2023	0
Project-to-Date	**4**

Table 5.2 Cumulative Statistics on Successful Prosecutions

Environmental Parameters	Cumulative no. Brought Forward	No. of Successful Prosecutions this month (Offence Date)	Cumulative No. Project-to-Date
Air	-	0	0
Noise	-	0	0
Water	-	0	0
Waste	-	0	0
Total	**-**	**0**	**0**

6 Comment, Conclusions and Recommendations

6.1 Review of Monitoring Methodology and the Practicality and Effectiveness of EM&A Programme

6.1.1. In terms of project construction phase monitoring, with the implementation of mitigation measures as recommended, no project related exceedance was recorded. In general, no adverse construction air and noise impacts were recorded within the project area with the mitigation measures in place. It could be concluded that no adverse environmental impact was caused to the surrounding environment and the sensitive receivers. The overall environmental impact control of the Project is considered to be effective and efficient.

6.2 Review on Effectiveness of Mitigation Measures

6.2.1. The mitigation measures according to the Environmental Mitigation Implementation Schedule (EMIS) and the EIA are considered effective in minimizing environmental impacts as no exceedances related to the Project works was recorded throughout the monitoring period. Hence, the EM&A programme was considered effective and shall be maintained.

6.2.2. The Contractor has implemented the recommended mitigation measures except for those mitigation measures not applicable at this stage. No site audit non-compliance was recorded during the reporting quarter.

6.2.3. Environmental monitoring works were carried out in the reporting quarter and all monitoring results were checked and reviewed.

6.3. Recommendations

6.3.1. In regards to the results and findings during the weekly environmental inspections in the reporting period, recommendations were made as follow.

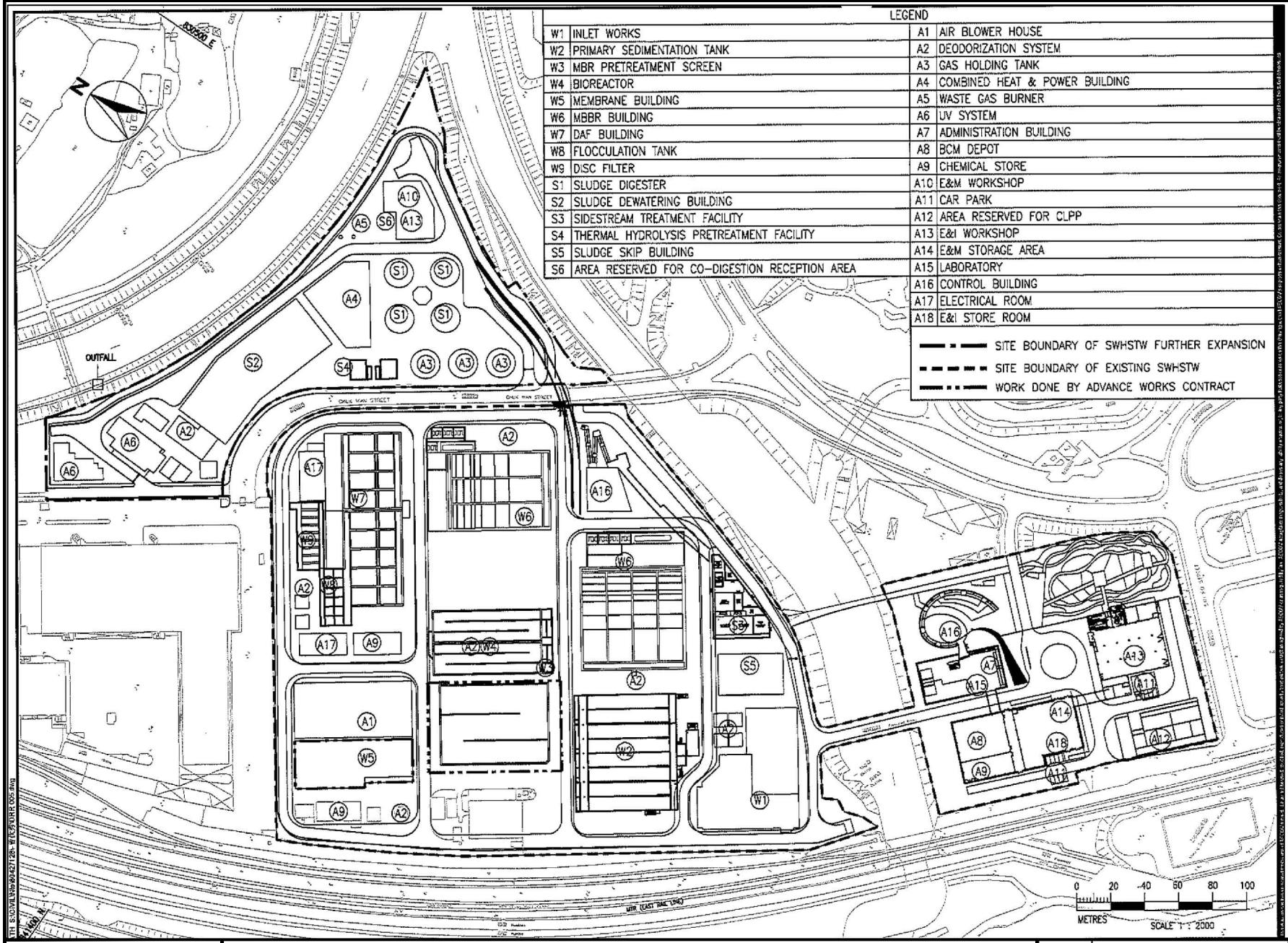
Table 6.1 Summary table of recommendations in terms of environmental parameters

Parameters	Recommendations
Air Quality	Dust suppression measures like water spraying or using tarpaulin should be enhanced for exposed stockpiles and other construction activities.
	To ensure all regulated machines in operation are displayed with valid NRMM labels.
Noise	Acoustic materials or other noise minimization measures should be adopted or enhanced especially for drilling and piling activities.

Water Quality	To maintain the proper function of the on-site drainage system and ensure the construction site runoff was properly treated.
	To provide proper water mitigation measures for the outfall work conducted between the site boundary and Ng Tung River.
Ecology	2m solid dull green barrier fences should be erected and maintained properly along the project boundaries of all active work sites under EP condition 2.7.
Waste Management	Oil/chemical containers should be stored properly.
	To maintain proper function of drip trays
	To maintain good housekeeping and remove the waste regularly.
	Good waste segregation practice should be maintained.

Figure 2.1

Project Layout



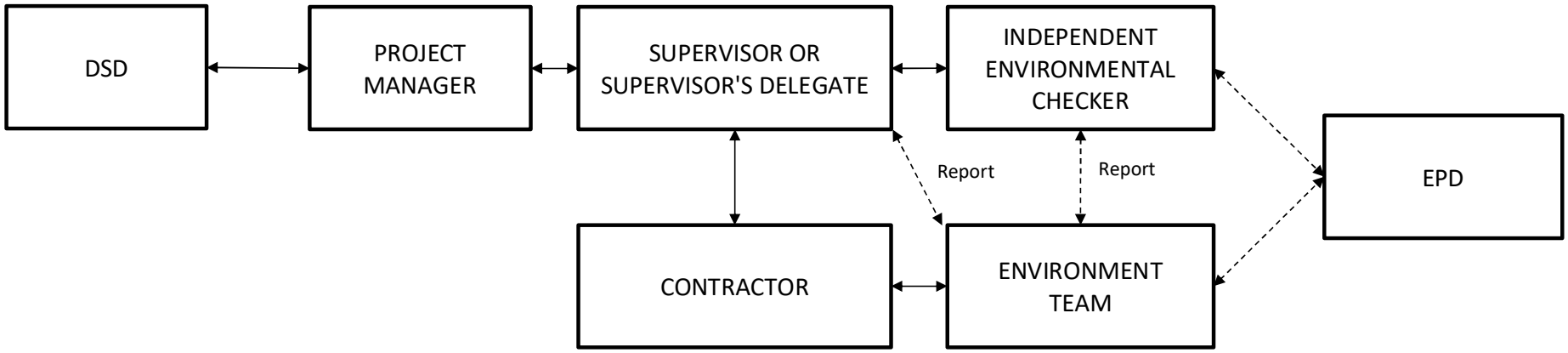
Shek Wu Hui E□luent Polishing Plant

General Site Layout O□SWHEPP

SCALE	As Shown	DATE	SEP 2019
CHECK	JM	DRAWN	SY
JOB No.		FIGURE NO. 2.1	RE□ -

Figure 2.2

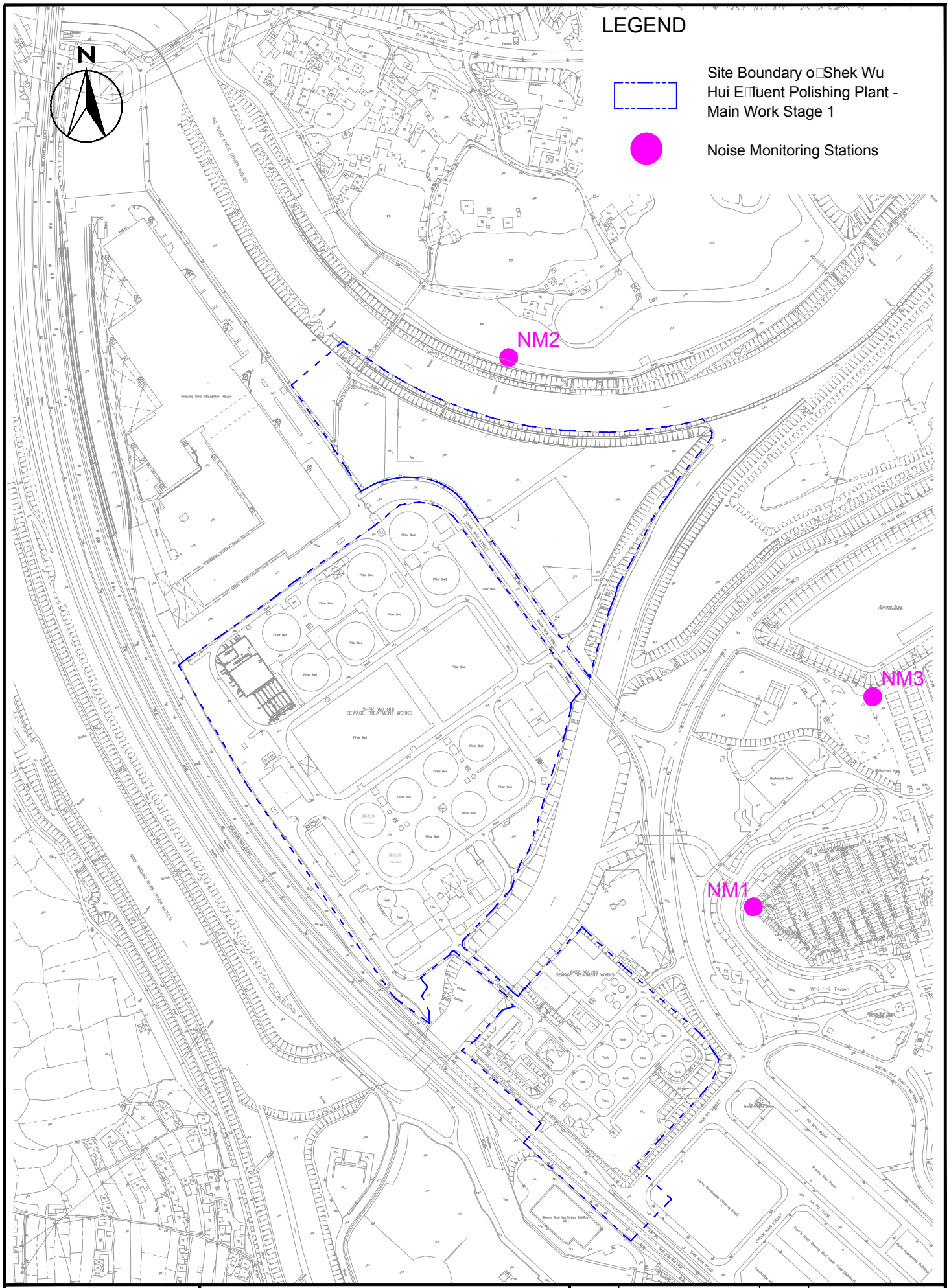
Project Organization Chart



	Shek Wu Hui Effluent Polishing Plant -	**SCALE**	N.T.S.	**DATE**	Sep 2019
		CHECK	JW	**DRAWN**	SY
	Project Organisation For Environmental Monitoring and Audit	**JOB NO.**		**FIGURE NO.**	2.2

Figure 4.1

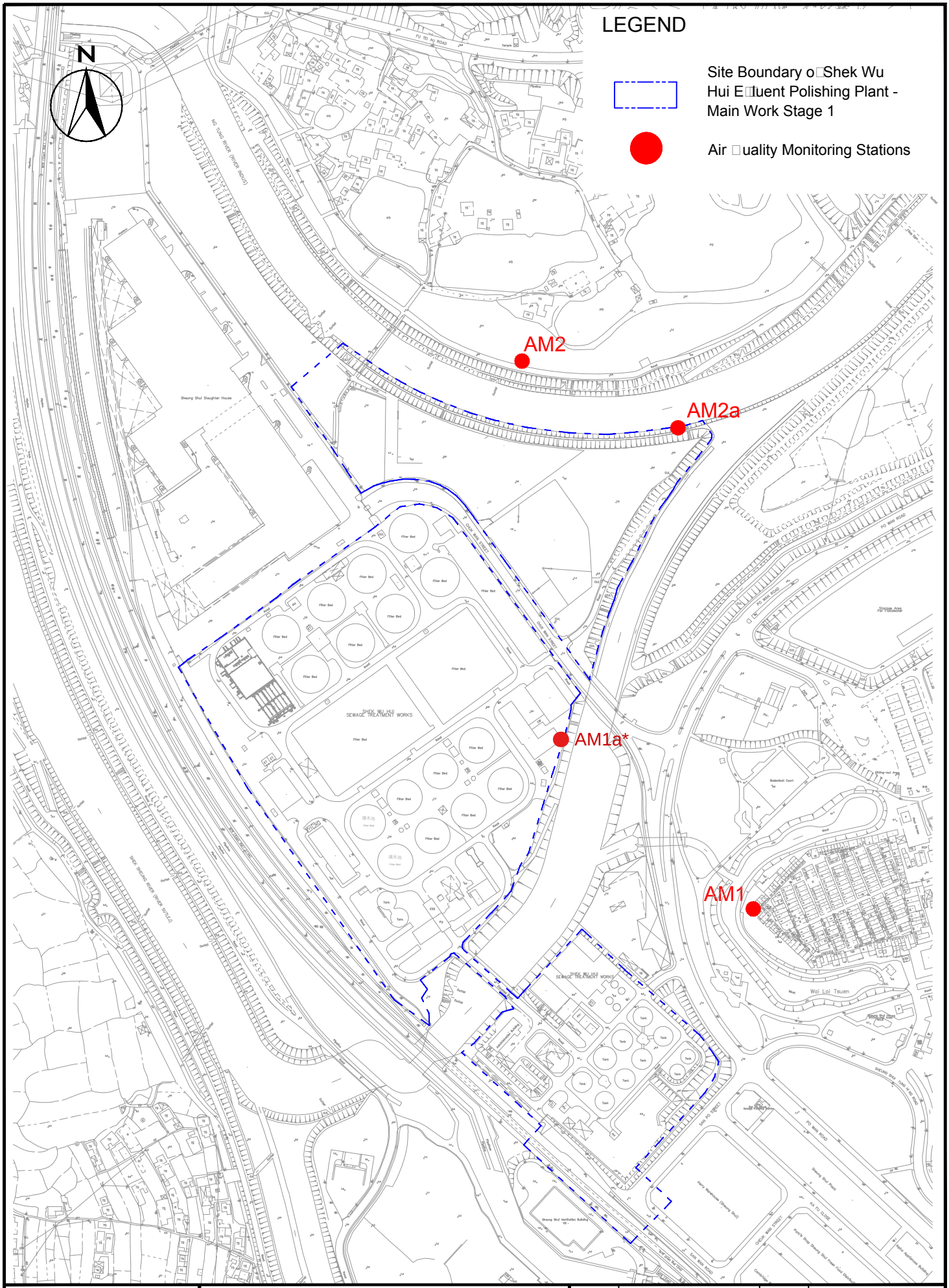
Locations of Noise Monitoring Stations



	Shek Wu Hui E luent Polishing Plant	SCALE	1:4000 A4	DATE SEP 2019
		CHECK	JM	DRAWN SY
	Location o Noise Monitoring Stations	JOB No.	MA19019	FIGURE NO. 3 RE -

Figure 4.2

Locations of Air Quality Monitoring Stations

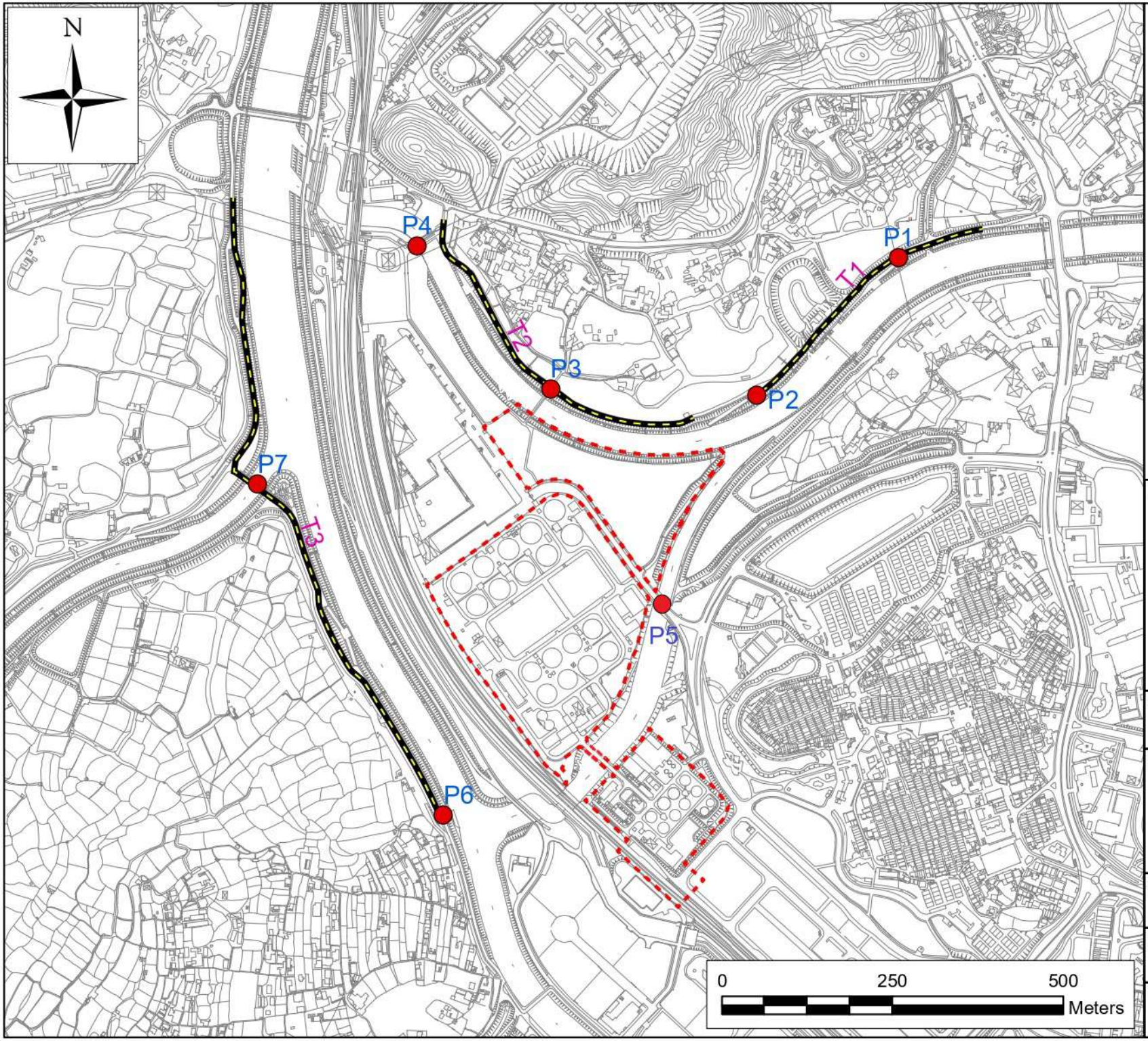


	Shek Wu Hui E□luent Polishing Plant - Location o□Air □uality Monitoring Stations	SCALE	1:400□ A4	DATE	SEP 2019
		CHECK	JM	DRAWN	SY
		JOB No.		FIGURE NO. 2	RE□ -

F:/Project_drawings

Figure 4.3

Locations of Ecological Monitoring Stations



Legend

- Project Site Boundary
- Walk Transects
- Point Count Locations

PREPARED BY

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CONTRACT NO.

SPW 12/2021

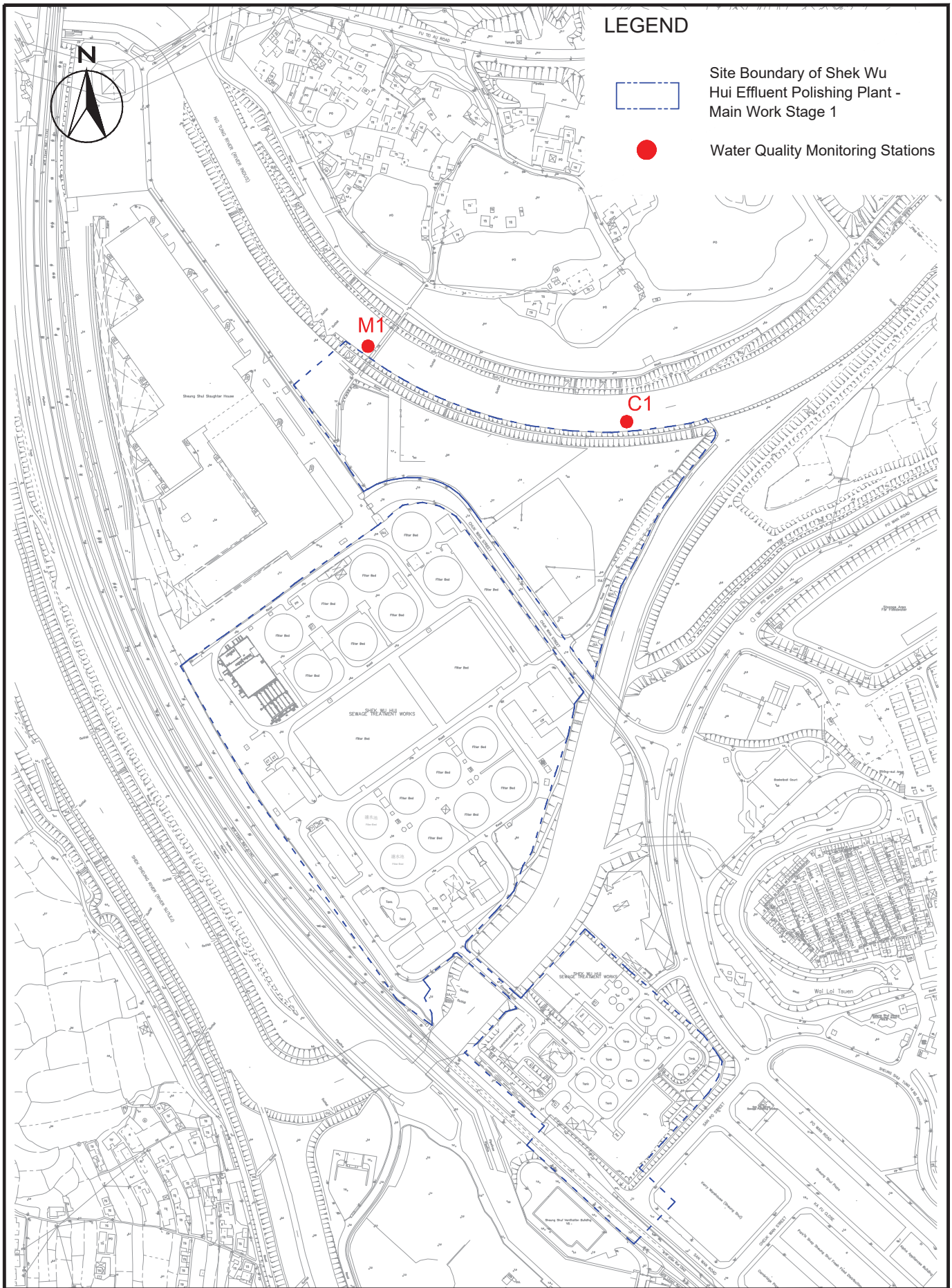
PROJECT TITLE

Shek Wu Hui Effluent Polishing Plant - Main Works Survey Location for Ecological Monitoring

SCALE	DATE
1:7500@A4	***Sept 2021***
DRAWN BY ***AL***	CHECK BY ***MC***
FIGURE NO. ***1***	REVISION NO. ***-***

Figure 4.4

Locations of Water Quality Monitoring Stations



	Shek Wu Hui Effluent Polishing Plant - Location of Water Quality Monitoring Stations	SCALE	1:400@A4	DATE	OCT 2019
		CHECK	JM	DRAWN	SY
		JOB No.		FIGURE NO. 5	REV -

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Appendix 1.1

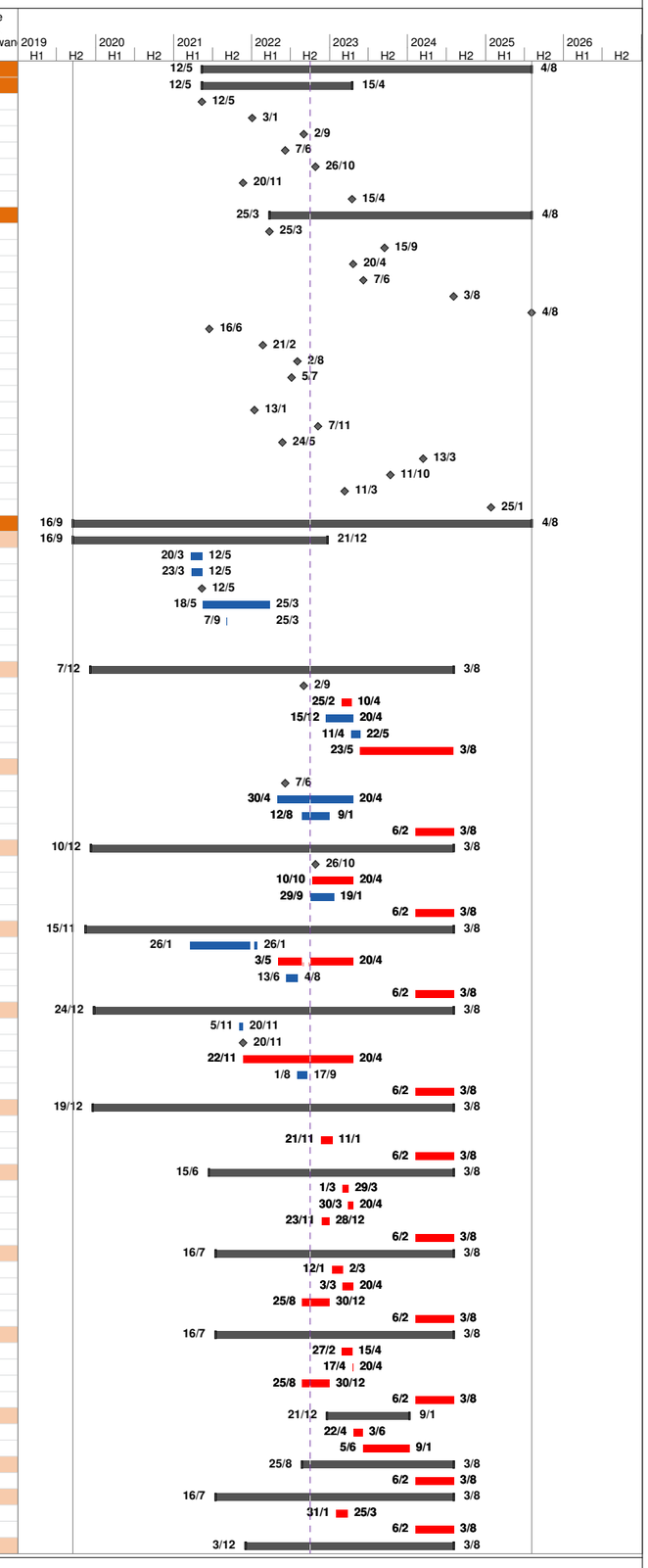
Construction Programme of Individual Contracts

Contract No.: DC/2018/06
Contract Title: Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
- Civil Works for Sludge Treatment Facilities and 132kV Primary Substation

Executive Summary Programme (Status Date:20/01/2023)

群利－俊和聯營體
KL－CW JV

ID	Activity ID	KD	Task Name	Inclement Weather CE no. (NCE no.)	PMI & CE no. (NCE no.)	Duration	Start	Finish	Actual Start	Actual Finish	Predecessors	Successors	% Complete	Time Risk Allowan
34	**PD-00000**	*	**Planned Completion - Key Date (cal. day)**			**1546 days**	**Wed 12/5/21**	**Mon 4/8/25**	**Wed 12/5/21**	**NA**			**29%**	
35	**PKD-00000**	*	**Planned Completion - Key Dates**			**703.8 days**	**Wed 12/5/21**	**Sat 15/4/23**	**Wed 12/5/21**	**NA**			**0%**	
36	PKD-01000	KD1A	KD1A			0 days	Wed 12/5/21	Wed 12/5/21	Wed 12/5/21	Wed 12/5/21	284FF	19FF	100%	
37	PKD-02000	KD2A	KD2A			0 days	Mon 3/1/22	Mon 3/1/22	Mon 3/1/22	Mon 3/1/22	635FF	20FF	100%	
38	PKD-03000	KD3A	KD3A			0 days	Fri 2/9/22	Fri 2/9/22	Fri 2/9/22	Fri 2/9/22	314FF	21FF	100%	
39	PKD-04000	KD3B	KD3B			0 days	Tue 7/6/22	Tue 7/6/22	Tue 7/6/22	Tue 7/6/22	345FF	22FF	100%	
40	PKD-05000	KD3C	KD3C			0 days	Wed 26/10/22	Wed 26/10/22	Wed 26/10/22	Wed 26/10/22	367FF	23FF	100%	
41	PKD-06000	KD3D	KD3D			0 days	Sat 20/11/21	Sat 20/11/21	Sat 20/11/21	Sat 20/11/21	399FF	24FF	100%	
42	PKD-07000	KD3E	KD3E			0 days	Sat 15/4/23	Sat 15/4/23	NA	NA	414FF,423FF,433FF,443FF,482FF,4	25FF	0%	
43	**PCD-00000**	*	**Planned Completion - Section of the Works (cal. day)**			**1229 days**	**Fri 25/3/22**	**Mon 4/8/25**	**Fri 25/3/22**	**NA**			**0%**	
44	PCD-01000	SW1	Section 1 of Works			0 days	Fri 25/3/22	Fri 25/3/22	Fri 25/3/22	Fri 25/3/22	533FF,564FF,565FF,566FF,567FF,5	27FF	100%	
45	PCD-02000	SW2	Section 2 of Works			0 days	Fri 15/9/23	Fri 15/9/23	NA	NA	656FF,668FF	28FF	0%	
46	PCD-03000	SW3	Section 3 of Works			0 days	Thu 20/4/23	Thu 20/4/23	NA	NA	205FF,369FF,383FF,401FF,424FF,4	601,29FF	0%	
47	PCD-04000	SW4	Section 4 of Works			0 days	Wed 7/6/23	Wed 7/6/23	NA	NA	534FF,324FF,350FF,370FF,384FF,4	30FF	0%	
48	PCD-05000	SW5	Section 5 of Works			0 days	Sat 3/8/24	Sat 3/8/24	NA	NA	291FF,325FF,351FF,371FF,385FF,4	49,50,31FF	0%	
49	PCD-06000	DLP	Defect Liability Period			365 days	Mon 5/8/24	Mon 4/8/25	NA	NA	48,602FF		0%	
56	IWKD1A-01040	KD1A	Delay and Disruption of works due to Red/Black Storm Signal/ Typhoon No.8 or above for November 2022			0 days	Wed 16/6/21	Wed 16/6/21	Wed 16/6/21	Wed 16/6/21	55		100%	
64	IWKD2A-01040	KD2A	Delay and Disruption of works due to Red/Black Storm Signal/ Typhoon No.8 or above for November 2022			0 days	Mon 21/2/22	Mon 21/2/22	Mon 21/2/22	Mon 21/2/22	63		100%	
72	IWKD3A-01040	KD3A	Delay and Disruption of works due to Red/Black Storm Signal/ Typhoon No.8 or above for November 2022			0 days	Tue 2/8/22	Tue 2/8/22	Tue 2/8/22	Tue 2/8/22	71		100%	
81	IWKD3B-01040	KD3B	Delay and Disruption of works due to Red/Black Storm Signal/ Typhoon No.8 or above for November 2022			0 days	Tue 5/7/22	Tue 5/7/22	Tue 5/7/22	Tue 5/7/22	80		100%	
89	IWKD3C-01040	KD3C	Delay and Disruption of works due to Red/Black Storm Signal/ Typhoon No.8 or above for November 2022			0 days	Fri 8/7/22	Fri 8/7/22	Fri 8/7/22	NA	88		99%	
97	IWKD3D-01040	KD3D	Delay and Disruption of works due to Red/Black Storm Signal/ Typhoon No.8 or above for November 2022			0 days	Thu 13/1/22	Thu 13/1/22	Thu 13/1/22	Thu 13/1/22	96		100%	
104	IWKD3E-01040	KD3E	Delay and Disruption of works due to Red/Black Storm Signal/ Typhoon No.8 or above for November 2022			0 days	Mon 7/11/22	Mon 7/11/22	NA	NA	103		0%	
112	IWSW1-01040	SW1	Delay and Disruption of works due to Red/Black Storm Signal/ Typhoon No.8 or above for November 2022			0 days	Tue 24/5/22	Tue 24/5/22	Tue 24/5/22	Tue 24/5/22	111		100%	
121	IWSW1-01040	SW2	Delay and Disruption of works due to Red/Black Storm Signal/ Typhoon No.8 or above for November 2022			0 days	Wed 13/3/24	Wed 13/3/24	NA	NA	120		0%	
130	IWSW3-01040	SW3	Delay and Disruption of works due to Red/Black Storm Signal/ Typhoon No.8 or above for November 2022			0 days	Wed 11/10/23	Wed 11/10/23	NA	NA	129		0%	
139	IWSW4-01040	SW4	Delay and Disruption of works due to Red/Black Storm Signal/ Typhoon No.8 or above for November 2022			0 days	Sat 11/3/23	Sat 11/3/23	NA	NA	138		0%	
148	IWSW5-01040	SW5	Delay and Disruption of works due to Red/Black Storm Signal/ Typhoon No.8 or above for November 2022			0 days	Sat 25/1/25	Sat 25/1/25	NA	NA	147		0%	
249	**CWPC-00000**	*	**Construction Works of Portion C of the Site**			**1747.8 days**	**Mon 16/9/19**	**Mon 4/8/25**	**Mon 16/9/19**	**NA**			**44%**	
250	**CUV1-00000**	*	**UV System No. 1 & Effluent Pumping Station No. 1 (1)**			**970 days**	**Mon 16/9/19**	**Wed 21/12/22**	**Mon 16/9/19**	**NA**			**97%**	
281	CUV1-09041	KD1A	Walls, Slabs and staircase Construction @+7.4mPD to 16.4mPD [Additional SP1-3 puddle (DN100 x 2 & DN80)	(204),(228)	(108), (146), (148), (179), (182)	41 days	Sat 20/3/21	Wed 12/5/21	Sat 20/3/21	Wed 12/5/21	278	284,285,283,287	100%	
282	CUV1-10000	KD1A	Construction of Switch room	(204),(228)		51 days	Tue 23/3/21	Wed 12/5/21	Tue 23/3/21	Wed 12/5/21			100%	
284	**CUV1-11000**	**KD1A**	**Allow access to Contractor DE/2018/03 for E&M Installation**			**0 days**	**Wed 12/5/21**	**Wed 12/5/21**	**Wed 12/5/21**	**Wed 12/5/21**	**281**	**36FF**	**100%**	
285	CUV1-12000	SW1	ABWF Works & BS Works & Apply Internal Anti-corrosion Protective Lining		(95), (296), (367), 359	256 days	Tue 18/5/21	Fri 25/3/22	Tue 18/5/21	Fri 25/3/22	242SS,168SS,281	595,596,286,594	100%	
288	CUV1-12200	SW1	Effluent Chamber (including Additional Works from PMI)		292	163 days	Tue 7/9/21	Fri 25/3/22	Tue 7/9/21	Fri 25/3/22	287FS+1 day	44FF,289	100%	
290	CUV1-12500	SW4	Underground utilities works - Revised Cable Ducts plan		318, 276,219,248,207	47 days	Tue 30/8/22	Wed 26/10/22	NA	NA	286FF		0%	
291	CUV1-13000	SW5	Surrounding Site formation works and road works			180 days	Thu 14/12/23	Sat 3/8/24	NA	NA	325FF	48FF	0%	
292	**CSDC-00000**	*	**Sludge Digesters and Distribution Chamber (4)**			**1370.8 days**	**Sat 7/12/19**	**Sat 3/8/24**	**Sat 7/12/19**	**NA**			**65%**	
314	**CSDC-12000**	**KD3A**	**Allow access to Contractor DE/2018/03 for E&M Installation**			**0 days**	**Fri 2/9/22**	**Fri 2/9/22**	**Fri 2/9/22**	**Fri 2/9/22**	**305,313**	**38FF**	**100%**	
320	CSDC-12050	SW3	Civil & Structural works at G/F			45 days	Sat 25/2/23	Mon 10/4/23	NA	NA	319FF+29 days	46FF,321FF	0%	
323	CSDC-15000	SW3	ABWF Works & BS Works		(173),594	127 days	Thu 15/12/22	Thu 20/4/23	NA	NA	242SS,168SS,305FS+15 days,316	46FF	0%	
324	CSDC-15500	SW4	Surrounding sewerage, utility and process pipe works		358,298,222,248,205,206	35 days	Tue 11/4/23	Mon 22/5/23	NA	NA	321,319SS+30 days	47FF,595FF,596FF,325,516SS-	0%	
325	CSDC-16000	SW5	Surrounding Site formation works and road works			350 days	Tue 23/5/23	Sat 3/8/24	NA	NA	324	48FF,351FF,371FF,385FF,403F	0%	
326	**CSDB-00000**	*	**Sludge Dewatering Building (2)**			**875.8 days?**	**Tue 26/11/19**	**Wed 9/11/22**	**Tue 26/11/19**	**NA**			**61%**	
345	**CSDB-12000**	**KD3B**	**Allow access to Contractor DE/2018/03 for E&M Installation**			**0 days**	**Tue 7/6/22**	**Tue 7/6/22**	**Tue 7/6/22**	**Tue 7/6/22**	**344**	**39FF,346FS+65 days,348**	**100%**	
349	CSDB-14000	SW3	ABWF Works & BS Works & Apply Internal Anti-corrosion Protective Lining		(95), (173),594	288 days	Sat 30/4/22	Thu 20/4/23	Sat 30/4/22	NA	242SS,168SS,344SS+37 days	46FF	0%	
350	CSDB-14500	SW4	Surrounding sewerage, utility and process pipe works		(335),(53),219,248,205,206,207	123 days	Fri 12/8/22	Mon 9/1/23	Fri 12/8/22	NA	346SS,347SS-45 days	47FF,595FF,596FF,594FF,560F	0%	
351	CSDB-15000	SW5	Surrounding Site formation works and road works			180 days	Tue 6/2/24	Sat 3/8/24	NA	NA	325FF	48FF,594FF,595FF,596FF	0%	
352	**CHPB-00000**	*	**Combined Heat Power Building (3)**			**1368.8 days**	**Tue 10/12/19**	**Sat 3/8/24**	**Tue 10/12/19**	**NA**			**43%**	
367	**CHPB-09000**	**KD3C**	**Allow access to Contractor DE/2018/03 for E&M Installation**			**0 days**	**Wed 26/10/22**	**Wed 26/10/22**	**NA**	**NA**	**366**	**40FF,370FS-21 days**	**0%**	
369	CHPB-11000	SW3	ABWF Works & BS Works with additional/change to works information		(173)	156 days	Mon 10/10/22	Thu 20/4/23	Mon 10/10/22	NA	242SS,168SS,366FS-15 days	46FF	0%	
370	CHPB-11500	SW4	Surrounding sewerage, utility and process pipe works		221,219,220,248,205,206	92 days	Thu 29/9/22	Thu 19/1/23	Thu 29/9/22	NA	367FS-21 days	47FF,595FF,596FF,594FF	0%	
371	CHPB-12000	SW5	Surrounding Site formation works and road works			180 days	Tue 6/2/24	Sat 3/8/24	NA	NA	325FF	48FF,594FF,595FF,596FF	0%	
372	**CSPS-00000**	*	**Sewage Pumping Station (9)**			**1389.8 days**	**Fri 15/11/19**	**Sat 3/8/24**	**Fri 15/11/19**	**NA**			**62%**	
382	CSPS-09000	KD3E	R.C. Structure & waterproofing works - Change to Work Information (Additional Puddle Flange and Civil Provision)	268, 338, (204),	*(63) ,(303), (341)*	297 days	Tue 26/1/21	Wed 26/1/22	Tue 26/1/21	Wed 26/1/22	380,166,238,239,240,381SS-2 emor	383,42FF	100%	
383	CSPS-10000	SW3	ABWF Works & BS Works & Apply Internal Anti-corrosion Protective Lining			250 days	Tue 3/5/22	Thu 20/4/23	Tue 3/5/22	NA	242SS,168SS,167,382	46FF	36%	3
384	CSPS-10500	SW4	Surrounding sewerage, utility and process pipe works		386 , 299	45 days	Mon 13/6/22	Thu 4/8/22	Mon 13/6/22	Thu 4/8/22	311FS-38 days	47FF,595FF,596FF,402FS-4 da	100%	
385	CSPS-11000	SW5	Surrounding Site formation works and road works			180 days	Tue 6/2/24	Sat 3/8/24	NA	NA	325FF	48FF,594FF,595FF,596FF	0%	
386	**CWS2-00000**	*	**Workshop No. 2 (5)**			**1356.8 days**	**Tue 24/12/19**	**Sat 3/8/24**	**Tue 24/12/19**	**NA**			**41%**	
398	CWS2-08030	KD3D	Roof Construction @+19.00mPD - Revised Civil Requirements in R/F		(302)	14 days	Fri 5/11/21	Sat 20/11/21	Fri 5/11/21	Sat 20/11/21	397	399	100%	
399	**CWS2-09000**	**KD3D**	**Allow access to Contractor DE/2018/03 for E&M Installation**			**0 days**	**Sat 20/11/21**	**Sat 20/11/21**	**Sat 20/11/21**	**Sat 20/11/21**	**398**	**41FF,400**	**100%**	
401	CWS2-11000	SW3	ABWF Works & BS Works - Revised Architectural Layout & Schedule for Doors, Louvers and Windows		(95), (173), (406,407,408)	415 days	Mon 22/11/21	Thu 20/4/23	Mon 22/11/21	NA	242SS,168SS	46FF	43%	
402	CWS2-11500	SW4	Surrounding sewerage, utility and process pipe works		221,219,220,205,206,207	41 days	Mon 1/8/22	Sat 17/9/22	Mon 1/8/22	Sat 17/9/22	384FS-4 days	47FF,595FF,596FF,425FS+55 d	100%	
403	CWS2-12000	SW5	Surrounding Site formation works and road works			180 days	Tue 6/2/24	Sat 3/8/24	NA	NA	325FF	48FF,594FF,595FF,596FF	0%	
404	**CTHP-00000**	*	**Thermal Hydrolysis Pretreatment (6)**			**1360.8 days**	**Thu 19/12/19**	**Sat 3/8/24**	**Thu 19/12/19**	**NA**			**31%**	
414	CTHP-09000	KD3E, SW3	R.C. Plinth - Change to Works Information	268, 338	225, (115),(236)	0 days	Mon 2/11/20	Mon 2/11/20	Mon 2/11/20	Mon 2/11/20	412,308,413SS-2 emons	42FF,46FF	100%	
415	CTHP-09500	SW4	Surrounding sewerage, utility and process pipe works			42 days	Mon 21/11/22	Wed 11/1/23	Mon 21/11/22	NA	346FS+38 days,347SS+1 emon	47FF,595FF,596FF,594FF	0%	
416	CTHP-10000	SW5	Surrounding Site formation works and road works			180 days	Tue 6/2/24	Sat 3/8/24	NA	NA	325FF	48FF,594FF,595FF,596FF	0%	
417	**CFCD-00000**	*	**Ferric Chloride Dosing Facilities (10)**			**924.8 days**	**Tue 15/6/21**	**Sat 3/8/24**	**Tue 15/6/21**	**NA**			**22%**	
423	CFCD-04000	KD3E	Steel Roof Structure (On-site Fabrication)			25 days	Wed 1/3/23	Wed 29/3/23	NA	NA	422	424,42FF	0%	
424	CFCD-05000	SW3	ABWF Works & BS Works, Change to Work Information (Application of Protective Lining System)		*594*	15 days	Thu 30/3/23	Thu 20/4/23	NA	NA	423,242,168	46FF	0%	
425	CFCD-05500	SW4	Surrounding sewerage, utility and process pipe works - Updated Process Pipes Arrangement		386, 298	29 days	Wed 23/11/22	Wed 28/12/22	Wed 23/11/22	NA	402FS+55 days	47FF,595FF,596FF,594FF	0%	
426	CFCD-06000	SW5	Surrounding Site formation works and road works			180 days	Tue 6/2/24	Sat 3/8/24	NA	NA	325FF	48FF,594FF,595FF,596FF	0%	
427	**CFHB-00000**	*	**Fire Hydrant and Booster Pump Room (16)**			**898.8 days**	**Fri 16/7/21**	**Sat 3/8/24**	**Fri 16/7/21**	**NA**			**0%**	
433	CFHB-03000	KD3E	R.C. Structure & waterproofing works			40 days	Thu 12/1/23	Thu 2/3/23	NA	NA	432	434,42FF	0%	5
434	CFHB-04000	SW3	ABWF Works & BS Works			38 days	Fri 3/3/23	Thu 20/4/23	NA	NA	433,242SS,168SS	46FF	0%	
435	CFHB-04500	SW4	Surrounding sewerage, utility and process pipe works			105 days	Thu 25/8/22	Fri 30/12/22	NA	NA	346SS+2 days	47FF,595FF,596FF,594FF	0%	
436	CFHB-05000	SW5	Surrounding Site formation works and road works			180 days	Tue 6/2/24	Sat 3/8/24	NA	NA	325FF	48FF,594FF,595FF,596FF	0%	
437	**CTFS-00000**	*	**Transformer and Switchroom (15)**			**898.8 days**	**Fri 16/7/21**	**Sat 3/8/24**	**Fri 16/7/21**	**NA**			**0%**	
443	CTFS-03000	KD3E	R.C. Structure			38 days	Mon 27/2/23	Sat 15/4/23	NA	NA	440,166,238,438,442	444,42FF	0%	5
444	CTFS-04000	SW3	ABWF Works & BS Works		(95)	4 days	Mon 17/4/23	Thu 20/4/23	NA	NA	443,242SS,168SS	46FF	0%	
445	CTFS-04500	SW4	Surrounding sewerage, utility and process pipe works			105 days	Thu 25/8/22	Fri 30/12/22	NA	NA	346SS+2 days	47FF,595FF,596FF,594FF	0%	
446	CTFS-05000	SW5	Surrounding Site formation works and road works			180 days	Tue 6/2/24	Sat 3/8/24	NA	NA	325FF	48FF,594FF,595FF,596FF	0%	
447	**CUC-00000**	*	**Utility Corridor (13)**		**204**	**310 days**	**Wed 21/12/22**	**Tue 9/1/24**	**NA**	**NA**			**0%**	
453	CUC-03500	SW4	Surrounding sewerage, utility and process pipe works		248,205,207	35 days	Sat 22/4/23	Sat 3/6/23	NA	NA	449,319FS-35 days,450	47FF,595FF,596FF,463SS,454,	0%	
454	CUC-04000	SW5	Surrounding Site formation works and road works			180 days	Mon 5/6/23	Tue 9/1/24	NA	NA	453	48FF,468,594FF,595FF,596FF	0%	
455	**CWMC-00000**	*	**Water Meter Cabinet (11)**		**204**	**568.8 days**	**Thu 25/8/22**	**Sat 3/8/24**	**NA**	**NA**			**0%**	
461	CWMC-04000	SW5	Surrounding Site formation works and road works			180 days	Tue 6/2/24	Sat 3/8/24	NA	NA	325FF	48FF,594FF,595FF,596FF	0%	
462	**CGH-00000**	*	**Guard House (14)**			**898.8 days**	**Fri 16/7/21**	**Sat 3/8/24**	**Fri 16/7/21**	**NA**			**0%**	
467	CGH-03500	SW4	Surrounding sewerage, utility and process pipe works		205	47 days	Tue 31/1/23	Sat 25/3/23	NA	NA	319FS-35 days	594FF,595FF,596FF	0%	
468	CGH-04000	SW5	Surrounding Site formation works and road works			180 days	Tue 6/2/24	Sat 3/8/24	NA	NA	325FF,454	48FF,594FF,595FF,596FF	0%	
469	**CCPS-00000**	*	**THP Coolers Pumping Station (21)**			**781.8 days**	**Fri 3/12/21**	**Sat 3/8/24**	**Fri 3/12/21**	**NA**			**22%**	



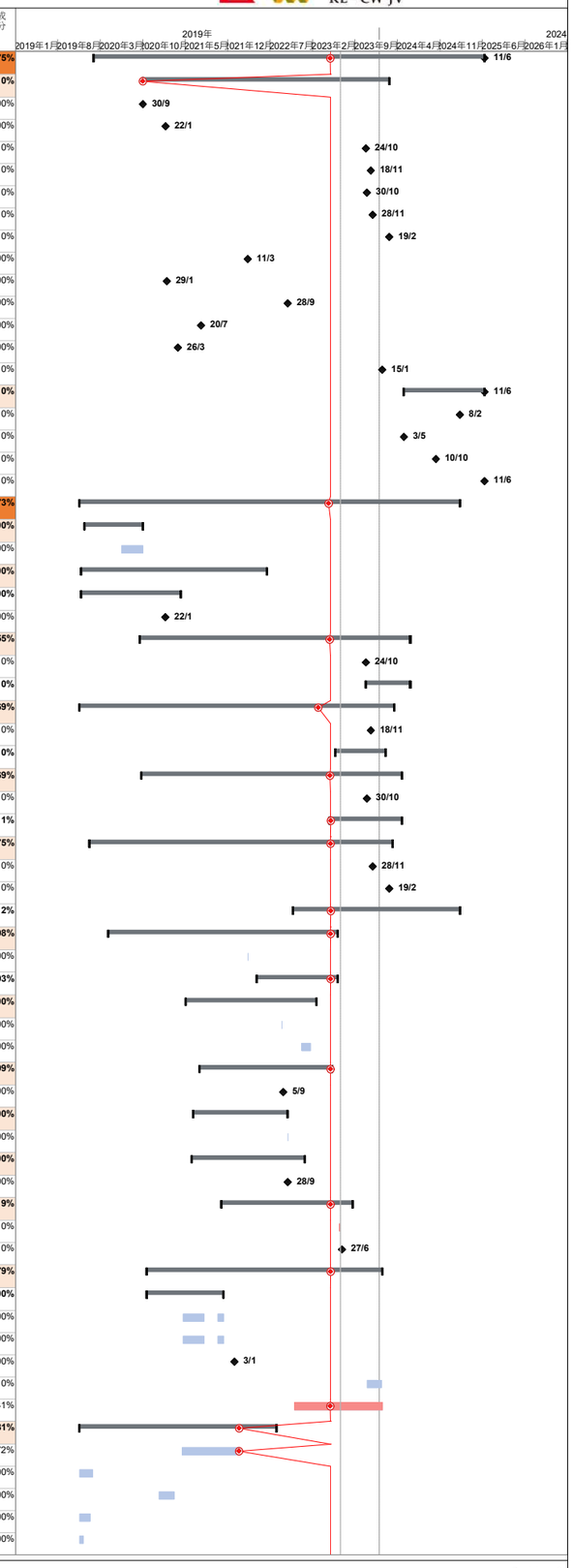
Critical Split | Task | Milestone | Summary | Critical

Contract No. DC/2018/07
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Civil Works for Sewage Treatment Facilities

Revised Master Programme (Status Date: 30/04/2023)

群利－俊和聯營體 KL-CW JV

識別碼	Activity ID	Key Date	NCE/(EW	PMI/(CE)	Task Name	比較基準工期	比較基準開始時間	比較基準完成時間	工期	開始時間	完成時間	實際開始時間	實際完成時間	前置任務	後續任務	總寬限時間	Ris All	完成百分比
40	**PD-1000**	*			**Planned Completion**	**2049 days**	**2020年9月30日**	**2026年5月11日**	**1962 days**	**2020年1月28日星期**	**2025年6月11日**	**年1月28日星期二2020**	**NA**			**105 days**		**75%**
41	**PCD-1000**	*			**Planned Completion - Key Dates (cal. day)**	**1202 days**	**2020年9月30日**	**2024年1月15日**	**1237 days**	**2020年9月30日星期**	**2024年2月19日**	**年9月30日星期三2020**	**NA**			**-35 days**		**0%**
42	PKD-1010	KD1A			KD1A completion of AR3 in Portion B-1	0 days	2020年9月30日	2020年9月30日	0 days	2020年9月30日星期二	2020年9月30日	年9月30日星期三2020	年9月30日星期三2020	236FF	21FF	0 days		100%
43	PCD-1020	KD1B			KD1B completion of utilities diversion for commencement of Inlet Works No.1 in Portion B-2	0 days	2021年1月22日	2021年1月22日	0 days	2021年1月22日星期五	2021年1月22日	年1月22日星期五2021	年1月22日星期五2021	319FF,301FF	22FF	0 days		100%
44	PCD-1030	KD1C			KD1C completion of civil and structural works of Inlet Works No.1 in Portion B-2	0 days	2022年12月1日	2022年12月1日	0 days	2023年10月24日星期	2023年10月24日	NA	NA	410FF,977FF,993FF	23FF	-269 days		0%
45	PCD-1040	KD1D			KD1D completion of civil and structural works of Primary Sedimentation Tanks in Portion B-3	0 days	2023年2月20日	2023年2月20日	0 days	2023年11月18日星期	2023年11月18日	NA	NA	504FF	24FF	-252 days		0%
46	PCD-1050	KD1E			KD1E completion of civil and structural works of Bioreactor in Portion B-4	0 days	2023年6月26日	2023年6月26日	0 days	2023年10月30日星期	2023年10月30日	NA	NA	595FF,589FF	25FF	-193 days		0%
47	PCD-1060	KD1F			KD1F completion of civil and structural works of MFB from B2 floor to 1st floor level in Portion B-5	0 days	2022年9月17日	2022年9月17日	0 days	2023年11月28日星期	2023年11月28日	NA	NA	757FF	26FF	-519 days		0%
48	PCD-1070	KD1G			KD1G completion of civil and structural works of MFB in Portion B-5	0 days	2023年1月16日	2023年1月16日	0 days	2024年2月19日星期一	2024年2月19日	NA	NA	758FF	27FF	-453 days		0%
49	PCD-1080	KD1H			KD1H completion of civil and structural works of SAS Pumping Station in Portion B-6	0 days	2022年1月7日星	2022年1月7日星	0 days	2022年3月11日星期五	2022年3月11日	年3月11日星期五2022	年3月11日星期五2022	802FF,800FF	28FF	0 days		100%
50	PCD-1090	KD1I			KD1I completion alternation works for existing Power House in Portion B-7A	0 days	2021年1月29日	2021年1月29日	0 days	2021年1月29日星期五	2021年1月29日	年1月29日星期五2021	年1月29日星期五2021	1002FF	29FF	0 days		100%
51	PCD-1100	KD1J			KD1J completion of auxiliary facilities in Portion B-7	0 days	2022年7月11日	2022年7月11日	0 days	2022年9月28日星期三	2022年9月28日	年9月28日星期三2022	年9月28日星期三2022	935FF,959FF,942FF,860	30FF	0 days		100%
52	PCD-1110	KD2A			KD2A completion of effluent pipes to UV system and connection to its downstream in Portion B-9	0 days	2021年7月20日	2021年7月20日	0 days	2021年7月20日星期二	2021年7月20日	年7月20日星期二2021	年7月20日星期二2021	1008FF,1006FF	31FF	0 days		100%
53	PCD-1120	KD2B			KD2B completion of air supply main alternation to existing air blower house No.2 in Portion B-8A	0 days	2021年3月26日	2021年3月26日	0 days	2021年3月26日星期五	2021年3月26日	年3月26日星期五2021	年3月26日星期五2021	995FF,999FF,1000FF,10	32FF	0 days		100%
54	PCD-1130	KD3A			KD3A completion of all utilities and road works in Portion B-9A	0 days	2024年1月15日	2024年1月15日	0 days	2024年1月15日星期一	2024年1月15日	NA	NA	1004FF,1003FF,1095FF	33FF	0 days		0%
55	**PCD-1000**	*			**Planned Completion Date (cal. Day)**	**1077 days**	**2022年6月30日**	**2025年6月11日**	**404 days**	**2024年5月3日星期五**	**2025年6月11日**	**NA**	**NA**			**-546 days**		**0%**
56	PCD-1010	SW1			Section 1 of the Works	0 days	2024年1月19日	2024年1月19日	0 days	2025年2月8日星期六	2025年2月8日星	NA	NA	991FF,993FF,805FF,921	35FF	-254 days		0%
57	PCD-1020	SW2			Section 2 of the Works	0 days	2022年6月30日	2022年6月30日	0 days	2024年5月3日星期五	2024年5月3日星	NA	NA	1022FF,1056FF,1066FF,	36FF	-546 days		0%
58	PCD-1030	SW3			Section 3 of the Works	0 days	2024年6月11日	2024年6月11日	0 days	2024年10月10日星期	2024年10月10日	NA	NA	2026FF,2027FF,1004FF,	37FF	-17 days		0%
59	PCD-1040	DLP			Defects Liability Period	0 days	2025年6月11日	2025年6月11日	0 days	2025年6月11日星期一	2025年6月11日	NA	NA	2028FF,173FF	38FF	105 days		0%
221	**C-1000**	*			**Construction Works (Working day)**	**1524 days**	**2019年11月18日**	**2024年1月19日**	**1910 days**	**2019年11月18日星期**	**2025年2月8日星**	**年11月18日星期一2019**	**NA**			**228 days**		**73%**
227	**CAR-0000**	*			**Access Road (AR3), B-1**	**238 days**	**2019年12月12日**	**2020年9月30日**	**238 days**	**2019年12月12日星期**	**2020年9月30日**	**年12月12日星期四2019**	**年9月30日星期三2020**	**4,176**	**1095SS**	**0 days**		**100%**
236	CAR-3000	KD1A			Roadworks	133 days	2020年4月24日	2020年9月30日	133 days	2020年4月24日星期五	2020年9月30日	年4月24日星期五2020	年9月30日星期三2020	146,235,234	42FF	0 days		100%
237	**CIW-0000**	*			**Inlet Works No.1, B-2**	**665 days**	**2019年11月26日**	**2022年2月23日**	**754 days**	**2019年11月26日星期**	**2022年6月15日**	**年11月26日星期二2019**	**年6月15日星期三2022**			**0 days**		**100%**
278	**CIW-1510**	**KD1B**			**Diversion of Tank Drain MHD9.5 (approx. 70m CHES1 & CHES2)**	**405 days**	**2019年11月26日**	**2021年4月10日**	**405 days**	**2019年11月26日星期**	**2021年4月10日**	**年11月26日星期二2019**	**年4月10日星期六2021**	**306**	**339**	**0 days**		**100%**
337	CIW-2500	KD1B			Conditions to be met for KD1B	0 days	NA	NA	0 days	2021年1月22日星期五	2021年1月22日	年1月22日星期五2021	年1月22日星期五2021	335	336	0 days		100%
338	**CIW-3000**	*			**Inlet Works No.1 Building (1)**	**747 days**	**2020年9月15日星期二**	**2023年3月23日星期四**	**1100 days**	**2020年9月15日星期二**	**2024年6月4日星期二**	**年9月15日星期二2020**	**NA**	**6**		**402 days**		**55%**
410	CIW-3700	KD1C			Allow access to Contractor DE/2018/04 for E&M installation and T&C works	0 days	2022年12月1日	2022年12月1日	0 days	2023年10月24日星期	2023年10月24日	NA	NA	387,399,409	44FF,421,411	-219 days		0%
421	**CIW-4000**	SW1			**ABWF Works**	**90 days**	**2022年12月2日**	**2023年3月23日**	**180 days**	**2023年10月25日星期**	**2024年6月4日星**	**NA**	**NA**	**211,161,410**		**-4 days**		**0%**
429	**CPS-0000**	*			**Primary Sedimentation Tanks, B-3 (2)**	**1115 days**	**2019年11月18日**	**2023年8月23日**	**1283 days**	**2019年11月18日星期**	**2024年3月16日**	**年11月18日星期一2019**	**NA**	**8**		**58 days**		**69%**
504	CPS-9000	KD1D			Allow access to Contractor DE/2018/04 for E&M installation and T&C works	0 days	2023年2月20日	2023年2月20日	0 days	2023年11月18日星期	2023年11月18日	NA	NA	462,503	45FF	-205 days		0%
508	**CPS-10000**	**SW1**			**ABWF works + BS works**	**150 days**	**2023年2月21日**	**2023年8月23日**	**209 days**	**2023年5月25日星期**	**2024年2月2日星**	**NA**	**NA**	**211,161**		**92 days**		**0%**
516	**CBR-0000**	*			**Bioreactors No.2A & 2B, B-4 (3)**	**1237 days**	**2019年11月18日**	**2024年1月19日**	**1059 days**	**2020年9月23日星期**	**2024年4月23日**	**年9月23日星期三2020**	**NA**	**9**		**436 days**		**69%**
595	CBR-18000	KD1E			Allow access to Contractor DE/2018/04 for E&M installation and T&C works	0 days	2023年6月26日	2023年6月26日	0 days	2023年10月30日星期	2023年10月30日	NA	NA	587,592,593,594	46FF	-158 days		0%
598	**CBR-21000**	**SW1**			**ABWF Works + BS Works**	**171 days**	**2023年6月27日**	**2024年1月19日**	**296 days**	**2023年4月25日星期**	**2024年4月23日**	**年4月25日星期二2023**	**NA**	**211,161**	**56FF**	**30 days**		**1%**
604	**CMF-0000**	*			**Membrane Facilities Building No.2 , B-5**	**1650 days**	**2019年11月18日**	**2025年6月11日**	**1236 days**	**2020年1月6日星期一**	**2024年3月7日**	**年1月6日星期一2020**	**NA**	**2**		**472 days**		**75%**
757	CMF-8000	KD1F			Allow access to Contractor DE/2018/04 for E&M installation and T&C works (from B1 to Level 1)	0 days	2022年9月17日星期六	2022年9月17日星期六	0 days	2023年11月28日星期二	2023年11月28日星期二	NA	NA	718,742,756,719	47FF	-424 days		0%
758	CMF-8100	KD1G			Allow access to Contractor DE/2018/04 for E&M installation and T&C works (from Level 1 to Roof)	0 days	2023年1月16日	2023年1月16日	0 days	2024年2月19日星期一	2024年2月19日	NA	NA	744,729,730	48FF	-365 days		0%
759	**CMF-9000**	**SW1**			**ABWF works + BS works**	**210 days**	**2023年1月17日**	**2023年10月3日**	**684 days**	**2022年10月24日星期**	**2025年2月8日星**	**年10月24日星期一2022**	**NA**	**211**	**56FF**	**-211 days**		**2%**
777	**CSA-0000**	*			**SAS Pumping Station, B-6**	**733 days**	**2020年4月9日星**	**2022年9月28日**	**934 days**	**2020年4月9日星期四**	**2023年6月6日星**	**年4月9日星期四2020**	**NA**	**11**		**291 days**		**98%**
802	CSA-8000	KD1H			Allow access to Contractor DE/2018/03 for E&M installation and T&C works	0 days	2022年1月7日星	2022年1月7日星	1 day	2022年3月11日星期五	2022年3月11日	年3月11日星期五2022	年3月11日星期五2022	801	49FF,803SS-1 day	0 days		100%
805	**CSA-9000**	**SW1**			**ABWF works + BS works**	**90 days**	**2022年6月14日**	**2022年9月28日**	**331 days**	**2022年4月25日星期**	**2023年5月6日星**	**年4月25日星期一2022**	**NA**	**804**	**56FF**	**291 days**		**93%**
817	**CFS-1000**	*		**301**	**Fire Services Sprinkler Pumping Room & Emergency Generator House (9)+(10)****	**442 days**	**2021年5月4日星**	**2022年10月27日**	**534 days**	**2021年5月4日星期二**	**2023年2月18日**	**年5月4日星期二2021**	**年2月18日星期六2023**			**0 days**		**100%**
860	CFS-5000	KD1J			Allow access to Contractor DE/2018/04 for E&M installation and T&C works	0 days	2022年7月11日	2022年7月11日	1 day	2022年8月29日星期一	2022年8月29日	年8月29日星期一2022	年8月29日星期一2022	835	51FF,861SS-1 day	0 days		100%
874	CFS-6100	SW1			Inspection and Handover	0 days	NA	NA	37 days	2022年12月6日星期二	2023年1月20日星期五	年12月6日星期二2022	年1月20日星期五2023	872,873	56FF	0 days		100%
875	**CCS-1000**	*	**295,297**		**Chemical System No.1 (8)***	**323 days**	**2021年8月27日**	**2022年9月28日**	**539 days**	**2021年7月13日星期**	**2023年5月8日星**	**年7月13日星期二2021**	**NA**			**315 days**		**99%**
909	CCS-1900	KD1J			Allow access to Contractor DE/2018/04 for E&M installation and T&C works	0 days	2022年4月9日星	2022年4月9日星	0 days	2022年9月5日星期一	2022年9月5日星	年9月5日星期一2022	年9月5日星期一2022	911	51FF,916,915	0 days		100%
922	**CDS-0000**	*			**Deodorization System No.3A (7)***	**159 days**	**2021年6月11日**	**2021年12月18日**	**387 days**	**2021年6月11日星期五**	**2022年9月28日**	**年6月11日星期五2021**	**年9月28日星期三2022**			**0 days**		**100%**
935	CDS-7000	KD1J			Allow access to Contractor DE/2018/04 for E&M installation and T&C works	0 days	2021年12月18日	2021年12月18日	1 day	2022年9月28日星期一	2022年9月28日	年9月28日星期一2022	年9月28日星期一2022	934	51FF,939	0 days		100%
936	**CTC-0000**	*			**Temporary Chemical Dosing System (5)**	**312 days**	**2021年9月9日星**	**2022年9月28日**	**466 days**	**2021年6月3日星期四**	**2022年12月23日**	**年6月3日星期四2021**	**年12月23日星期五2022**			**0 days**		**100%**
959	CTC-11000	KD1J			Allow access to Contractor DE/2018/04 for E&M installation and T&C works	0 days	2022年2月5日星	2022年2月5日星	0 days	2022年9月28日星期一	2022年9月28日	年9月28日星期一2022	年9月28日星期二2022	957FS+1 day	51FF,961	0 days		100%
965	**CFB-0000**	*			**Fire Hydrant and Booster Pump Room (13)***	**193 days**	**2022年2月5日星**	**2022年9月28日**	**536 days**	**2021年10月29日星期**	**2023年8月21日**	**年10月29日星期五2021**	**NA**			**228 days**		**9%**
977	CFB-4000	KD1C			Allow access to Contractor DE/2018/04 for E&M installation and T&C works	0 days	2022年6月13日	2022年6月13日	1 day	2023年6月14日星期二	2023年6月14日	NA	NA	976FF	978SF,44FF	-111 days		0%
993	CDS1-4000	KD1C			Allow access to Contractor DE/2018/04 for E&M installation and T&C works	0 days	2021年12月16日	2021年12月16日	0 days	2023年6月27日星期二	2023年6月27日	NA	NA	992	56FF,44FF	-121 days		0%
994	**CAA-0000**	*			**Additional and Alternation Works for Existing Facilities (B-7A, B-8, B-8A)**	**1074 days**	**2019年11月18日**	**2023年7月6日星**	**961 days**	**2020年10月19日星期**	**2024年1月15日**	**年10月19日星期一2020**	**NA**			**0 days**		**79%**
995	**CAA-1000**	**KD2B**			**B-8A Alternation works for existing Air Blower House No.2 (Pipeline CHTA, approx. 133m DN800 D.I.)**	**359 days**	**2020年10月19日**	**2022年1月3日星**	**315 days**	**2020年10月19日星期**	**2021年11月9日**	**年10月19日星期一2020**	**年11月9日星期二2021**	**15,162,206**	**53FF**	**0 days**		**100%**
1000	CAA-1500	KD2B		064	Re-alignment of DN800 Temporary Air Main (CHTA) and Provision of FRP Staircases	212 days	2021年4月20日	2022年1月3日星	168 days	2021年4月20日星期二	2021年11月9日	年4月20日星期二2021	年11月9日星期二2021	996,997,998	53FF	0 days		100%
1001	CAA-1600	KD2B	017	062	Elevated Section of DN800 Temporary Air Main (CHTA) across existing Bioreactor's Distribution Chamber No. 2	212 days	2021年4月20日	2022年1月3日星	168 days	2021年4月20日星期二	2021年11月9日	年4月20日星期二2021	年11月9日星期二2021	996,997,998	53FF,1002	0 days		100%
1002	CAA-2000	KD1I			B7-A Alternation works for existing Power House	0 days	2022年1月3日星	2022年1月3日星	0 days	2022年1月3日星期一	2022年1月3日星	年1月3日星期一2022	年1月3日星期一2022	13FS-1 day,142,180,182,	50FF,1003FS+540 days	0 days		100%
1003	CAA-2100	SW3		224	Additional works for Power House	60 days	2023年3月18日	2023年6月2日星	60 days	2023年10月31日星期	2024年1月11日	NA	NA	1002FS+540 days	58FF,54FF	3 days		0%
1004	CAA-3000	SW3			Alternation works for existing Membrane Facilities Building No.1	360 days	2022年4月19日	2023年7月6日星	359 days	2022年10月31日星期	2024年1月15日	年10月31日星期一2022	NA	14FS-1 day,195FS+160	58FF,54FF	0 days		41%
1005	**C2AUU-0000**	*			**External Underground Service, Utilities, Road/Drain (KD2A)**	**802 days**	**2019年11月18日**	**2022年8月3日星**	**802 days**	**2019年11月18日星期**	**2022年8月3日星**	**年11月18日星期一2019**	**NA**	**16**		**945 days**		**81%**
1006	C2AUU-1000	KD2A		33, 222, 255	Process Pipes CHR and CHS (approx. 93m twin DN900 D.I.)	530 days	2020年10月19日	2022年8月3日星	530 days	2020年10月19日星期	2022年8月3日星	年10月19日星期一2020	NA	206,162	52FF	945 days		72%
1007	C2AUU-1000a	KD2A	029	33	Special Treatment for Removing the Existing Abandoned DN1800 By-pass Pipe and the Concrete Mass in Conflict with the Pro	54 days	2019年11月18日	2020年1月22日	54 days	2019年11月18日星期	2020年1月22日	年11月18日星期一2019	年1月22日星期三2020			0 days		100%
1008	C2AUU-1000b	KD2A		255	Trenchless work for Process Pipes CHR and CHS (approx. 7m twin DN900 D.I.)	60 days	2020年12月21日	2021年3月6日星	60 days	2020年12月21日星期	2021年3月6日星	年12月21日星期一2020	年3月6日星期六2021		52FF	0 days		100%
1009	C2AUU-1001	KD2A		033	Removal of Abandoned DN1800 Concrete Pipe and Concrete Mass near Existing UV Disinfection Channel at CHR & CHS Proc	43 days	2019年11月18日	2020年1月9日星	43 days	2019年11月18日星期	2020年1月9日星	年11月18日星期一2019	年1月9日星期四2020			0 days		100%
1010	C2AUU-1002	KD2A		222	Grouting for Sheung Shui Slaughter House Boundary Walls along CHR & CHS Pipes Works Area	20 days	2019年11月18日	2019年12月10日	16.83 days	2019年11月18日星期	2019年12月6日	年11月18日星期一2019	年12月6日星期五2019			0 days		100%

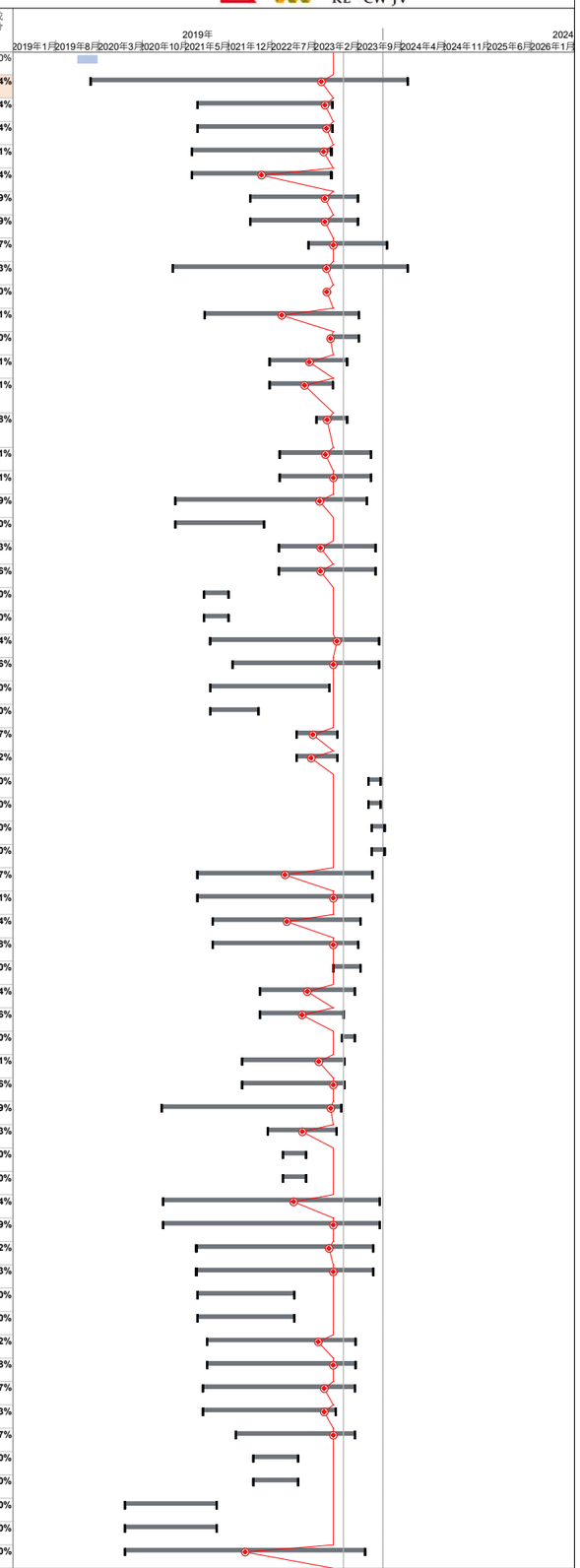


Contract No. DC/2018/07
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Civil Works for Sewage Treatment Facilities

Revised Master Programme (Status Date: 30/04/2023)

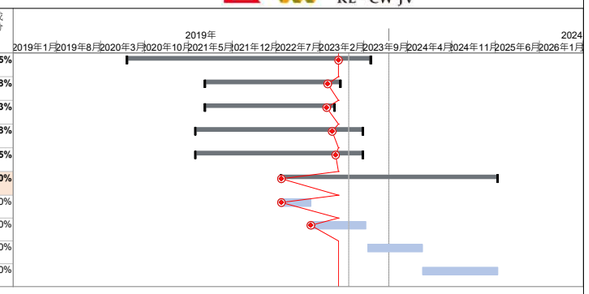
群利－俊和聯營體 KL-CW JV

識別碼	Activity ID	Key Date	NCE/(EW	PMI/(CE)	Task Name	比較基準工期	比較基準開始時間	比較基準完成時間	工期	開始時間	完成時間	實際開始時間	實際完成時間	前置任務	後續任務	總寬限時間	Ris All	完成百分比
1011	C2AUU-1004	KD2A		(076)	Delay Delivery of DI pipes due to COVID-19	75 days	2019年11月18日	2020年2月19日	75 days	2019年11月18日星期	2020年2月19日	年11月18日星期一2019	年2月19日星期三2020			0 days		100%
1012	CS2-0000	SW2			External Underground Service, Utilities, Road/Drain (Section 2)	616 days	2021年3月24日	2023年4月24日	1268 days	2020年1月20日星期一	2024年5月3日星	年1月20日星期一2020	NA			428 days		64%
1040	CS2-1000	SW2			Sewerage and utilities in Workfront A2	179 days	2021年6月30日	2022年2月4日星	539 days	2021年6月30日星期三	2023年4月25日	年6月30日星期三2021	NA			731 days		94%
1058	CS2-1100	SW2			Workfront A2b : Construction of 2 nos. of DN250 DI sludge pipe (CHPS1,CHPS2 CH157-190), 2 nos. of DN350 DI sewage pipe (CHT CH62-91, CHY CH62-91) and 3 nos. of DN150 DI pipe (CHW, CHX, CHZ CH62-91)	179 days	2021年6月30日星期三	2022年2月4日星期五	539 days	2021年6月30日星期三	2023年4月25日星期二	年6月30日星期三2021	NA		1041	731 days		84%
1068	CS2-2000	SW2			Sewerage and utilities in Workfront A3	54 days	2021年12月13日	2022年2月19日	559 days	2021年6月2日星期三	2023年4月21日	年6月2日星期三2021	NA			734 days		61%
1085	CS2-2100	SW2			Workfront A3b: Construction of 2 nos. of DN250 DI sludge pipe (CHPS1, CHPS2 CH133-146), 2 nos. of DN350 DI sew	54 days	2021年12月13日	2022年2月19日	559 days	2021年6月2日星期三	2023年4月21日	年6月2日星期三2021	NA			734 days		64%
1096	CS2-3000a	SW2			Sewerage and utilities in Workfront A5a	86 days	2022年2月4日星	2022年5月21日	430 days	2022年3月18日星期五	2023年8月30日	年3月18日星期五2022	NA		1843	-130 days		69%
1098	CS2-3100a	SW2			Construction of DN825 concrete pipe (CHU CH9.81-67.72) and manhole MHS01-MHS02	86 days	2022年2月4日星	2022年5月21日	430 days	2022年3月18日星期五	2023年8月30日	年3月18日星期五2022	NA			-130 days		69%
1116	CS2-3000b	SW2			Sewerage and utilities in Workfront A5b	86 days	2022年2月4日星	2022年5月21日	316 days	2022年12月29日星期四	2024年1月22日	年12月29日星期四2022	NA		1843	-187.8 d...		27%
1126	CS2-3300	SW2			Sewerage and utilities in Workfront A6	0 days	NA	NA	940 days	2021年3月1日星期一	2024年5月3日星	年3月1日星期一2021	NA			428 days		63%
1128	CS2-3310	SW2			Construction of CHPS1 CH274.233 - 355.037 ; CHPSW8 CH0-3.640	0 days	NA	NA	171 days	2022年10月6日星期四	2023年5月5日星	年10月6日星期四2022	NA			0 days		80%
1171	CS2-4000	SW2			Sewerage and utilities in Workfront B1	49 days	2021年9月1日星	2021年10月30日	619 days	2021年8月4日星期三	2023年9月4日星	年8月4日星期三2021	NA			622 days		11%
1184	CS2-4100	SW2			Workfront B1b: DN600 concrete pipe (CHU CH0-9.81)	0 days	NA	NA	117 days	2023年4月17日星期一	2023年9月4日星	NA	NA	1179SS		-243 days		0%
1199	CS2-5000	SW2			Sewerage and utilities in Workfront C1	152 days	2022年7月2日星	2022年12月31日	311 days	2022年6月21日星期二	2023年7月8日星	年6月21日星期二2022	NA		1858	111 days		41%
1200	CS2-5100	SW2			Workfront C1a: Construction of 2 nos. of DN250 DI sludge pipe (CHPS1,CHPS2 CH50-133), 2 nos. of DN350 DI sewage pipe (CHT&CHY CH114-189) and 3 nos. of DN150 DI pipe (CHW CH114-140, CHX&CHZ CH114-140), MHFB64B-MHFB64C	152 days	2022年7月2日星期六	2022年12月31日星期六	255 days	2022年6月21日星期二	2023年4月29日星期六	年6月21日星期二2022	NA	1362		167 days		51%
1227	CS2-5100	SW2			Workfront C1b: Construction of 2 nos. of DN250 DI sludge pipe (CHPS1,CHPS2 CH50-133), 2 nos. of DN350 DI sewage pipe (CHT&CHY CH114-189) and 3 nos. of DN150 DI pipe (CHW CH114-140, CHX&CHZ CH114-140), MHFB64B-MHFB64C	152 days	2022年7月2日星期六	2022年12月31日星期六	124 days	2023年2月6日星期一	2023年7月8日星期六	年2月6日星期一2023	NA	1216	1245	-27 days		28%
1244	CS2-6000	SW2			Sewerage and utilities in Workfront C2	77 days	2022年7月2日星	2022年9月30日	368 days	2022年8月9日星期二	2023年11月3日	年8月9日星期二2022	NA		1866,1336	-367 days		1%
1245	CS2-6100	SW2			Construction of 2 nos. of DN250 DI sludge pipe(CHPS1, CHPS2 CH25-50), CH PSW-7	77 days	2022年7月2日星	2022年9月30日	368 days	2022年8月9日星期二	2023年11月3日	年8月9日星期二2022	NA	1227		-367 days		1%
1262	CS2-7000	SW2			Sewerage and utilities in Workfront C3	219 days	2021年10月2日	2022年6月30日	766 days	2021年3月13日星期六	2023年10月12日	年3月13日星期六2021	NA		1873	-189 days		69%
1263	CS2-7100	SW2			Construction of DN1000 HDPE odour pipe (CHDO2), DN250 DI sludge pipe (CHPS1, CHPS2; CH0-25), DN250 DI pipe	219 days	2021年10月2日	2022年6月30日	353 days	2021年3月13日星期六	2022年5月24日	年3月13日星期六2021	年5月24日星期二2022	1356		0 days		100%
1296	CS2-8000	SW2			Sewerage and utilities in Workfront D1	91 days	2022年6月1日星	2022年9月13日	389 days	2022年8月5日星期五	2023年11月24日	年8月5日星期五2022	NA			555 days		33%
1297	CS2-8100	SW2			Construction of DN250 DI pipe (CHTFT-2), DN800 MS pipe (CHTA) and watermains	91 days	2022年6月1日星	2022年9月13日	389 days	2022年8月5日星期五	2023年11月24日	年8月5日星期五2022	NA	1215,1236		555 days		36%
1323	CS2-9000	SW2			Sewerage and utilities in Workfront D2	67 days	2021年9月1日星	2021年11月20日	100 days	2021年8月2日星期一	2021年11月29日	年8月2日星期一2021	年11月29日星期一2021			0 days		100%
1324	CS2-9100	SW2			Construction of DN350 DI temportary flow diversion pipe (CHTE(A), CHTE(B))	67 days	2021年9月1日星	2021年11月20日	100 days	2021年8月2日星期一	2021年11月29日	年8月2日星期一2021	年11月29日星期一2021			0 days		100%
1334	CS2-10000	SW2			Sewerage and utilities in Workfront D3	64 days	2022年2月4日星	2022年4月23日	679 days	2021年8月31日星期二	2023年12月13日	年8月31日星期二2021	NA			539 days		84%
1336	CS2-10100	SW2			Construction of DN100 DI pretreatment screen pipe (CHPT2)	64 days	2022年2月4日星	2022年4月23日	587 days	2021年12月20日星期一	2023年12月13日	年12月20日星期一2021	NA	1244		539 days		66%
1350	CS2-11000	SW2			Sewerage and utilities in Portion D4	75 days	2021年9月1日星	2021年11月30日	475 days	2021年9月1日星期三	2023年4月12日	年9月1日星期三2021	年4月12日星期三2023			0 days		100%
1351	CS2-11100	SW2			Construction of DN350 DI pipe (CHPSW-1)	75 days	2021年9月1日星	2021年11月30日	191 days	2021年9月1日星期三	2022年4月26日	年9月1日星期三2021	年4月26日星期二2022			0 days		100%
1377	CS2-12000	SW2			Sewerage and utilities in Portion E1	88 days	2023年1月3日星	2023年4月22日	162 days	2022年11月1日星期二	2023年5月20日	年11月1日星期二2022	NA			710 days		37%
1378	CS2-12100	SW2			Construction of watermains	88 days	2023年1月3日星	2023年4月22日	162 days	2022年11月1日星期二	2023年5月20日	年11月1日星期二2022	NA			710 days		32%
1398	CS2-13000	SW2			Sewerage and utilities in Portion E2	86 days	2022年9月19日	2022年12月31日	52 days	2023年10月21日星期六	2023年12月21日	NA	NA		1905	-333 days		0%
1399	CS2-13100	SW2			Construction of DN1600 DI sewage pipe (CHI CH75-95)	86 days	2022年9月19日	2022年12月31日	52 days	2023年10月21日星期六	2023年12月21日	NA	NA			-333 days		0%
1414	CS2-14000	SW2			Sewerage and utilities in Portion E3	93 days	2021年10月11日	2022年1月31日	52 days	2023年11月7日星期二	2024年1月9日星	NA	NA		1912	-349 days		0%
1415	CS2-14100	SW2			Construction of DN1600 DI sewage pipe (CHI CH35-75), CHJ	93 days	2021年10月11日	2022年1月31日	52 days	2023年11月7日星期二	2024年1月9日星	NA	NA	1431FS-3 days	57FF	-349 days		0%
1431	CS2-15000	SW2			Sewerage and utilities in Portion E4	75 days	2021年8月2日星	2021年10月30日	703 days	2021年6月29日星期二	2023年11月9日	年6月29日星期二2021	NA		1415FS-3 days	-349 days		67%
1434	CS2-15100	SW2			Construction of DN1600 DI sewage pipe CHH, CHG	75 days	2021年8月2日星	2021年10月30日	703 days	2021年6月29日星期二	2023年11月9日	年6月29日星期二2021	NA			-349 days		1%
1450	CS2-16000	SW2			Sewerage and utilities in Workfront E5	100 days	2022年9月10日	2023年1月11日	593 days	2021年9月13日星期一	2023年9月13日	年9月13日星期一2021	NA		1924	94 days		4%
1451	CS2-16100a	SW2			Workfront E5a: Process Pipe CHG chainage 0-50, CHH chainage 0-80, CHI chainage 0-35 & CHJ chainage 0-40, CHP	100 days	2022年9月10日	2023年1月11日	582 days	2021年9月13日星期一	2023年8月31日	年9月13日星期一2021	NA	1641		105 days		8%
1462	CS2-16100b	SW2			Workfront E5b: Process Pipe CHI chainage 0-35	0 days	NA	NA	113 days	2023年5月2日星期二	2023年9月13日	NA	NA			-244 days		0%
1488	CS2-17000	SW2			Sewerage and utilities in Workfront F1	50 days	2022年10月3日	2022年11月30日	380 days	2022年5月5日星期四	2023年8月14日	年5月5日星期四2022	NA			640 days		34%
1489	CS2-17100a	SW2			Workfront F1a: Process Pipe CHPSW-1 CH100-108 , DN150 DI SAS pipe CHZB, Bioreactor Tank Drain CHTD1, waterm	50 days	2022年10月3日	2022年11月30日	335 days	2022年5月5日星期四	2023年6月20日	年5月5日星期四2022	NA			685 days		46%
1504	CS2-17100b	SW2			Workfront F1b: Bioreactor Tank Drain CHTD1, cable ducts laying	0 days	NA	NA	53 days	2023年6月12日星期一	2023年8月14日	NA	NA			-226 days		0%
1514	CS2-18000	SW2			Sewerage and utilities in Workfront F2	48 days	2022年2月4日星	2022年3月31日	410 days	2022年2月4日星期五	2023年6月24日	年2月4日星期五2022	NA			682 days		61%
1515	CS2-18100	SW2			Workfront F2a: Construction of Process Pipe CHPSW-4	48 days	2022年2月4日星	2022年3月31日	410 days	2022年2月4日星期五	2023年6月24日	年2月4日星期五2022	NA			682 days		76%
1539	CS2-19000	SW2			Sewerage and utilities in Workfront F3	125 days	2021年9月1日星	2022年1月31日	717 days	2021年1月5日星期二	2023年6月8日星	年1月5日星期二2021	NA			695 days		89%
1558	CS2-19300	SW2			Construction of DN350 DI process pipe CHPSW-1	125 days	2021年9月1日星	2022年1月31日	276 days	2022年6月12日星期日	2023年5月17日	年6月12日星期日2022	NA			713 days		63%
1582	CS2-20000	SW2			Sewerage and utilities in Workfront G1	75 days	2022年10月3日	2022年12月31日	96 days	2022年8月25日星期四	2022年12月17日	年8月25日星期四2022	年12月17日星期六2022			0 days		100%
1583	CS2-20100	SW2			Process Pipe DN900 DI RAS pipe (CHP) and 2 nos. of DN250 DI sludge pipe (CHSS1 CH140-183, CHSS2 CH140-182)	75 days	2022年10月3日星期一	2022年12月31日星期六	96 days	2022年8月25日星期四	2022年12月17日星期六	年8月25日星期四2022	年12月17日星期六2022	1732		0 days		100%
1597	CS2-21000	SW2			Sewerage and utilities in Workfront G2	118 days	2021年9月1日星	2022年1月22日	871 days	2021年1月11日星期一	2023年12月16日	年1月11日星期一2021	NA			536 days		64%
1599	CS2-21100	SW2			Process Pipe DN1400 DI sewage pipe (CHK CH0-6), 2 nos. of DN250 DI sludge pipe (CHSS1, CHSS2 CH100-140)	118 days	2021年9月1日星	2022年1月22日	871 days	2021年1月11日星期一	2023年12月16日	年1月11日星期一2021	NA			536 days		79%
1625	CS2-22000	SW2			Sewerage and utilities in Workfront G3	125 days	2021年9月1日星	2022年1月31日	710 days	2021年6月24日星期四	2023年11月13日	年6月24日星期四2021	NA		1963	0 days		82%
1628	CS2-22100	SW2			Process Pipe DN1400 DI sewage pipe of CHK CH6-43.5, CHL CH0-31, DN300 CHN CH54-70, 2x DN250 CHSS1, CHSS2	125 days	2021年9月1日星	2022年1月31日	710 days	2021年6月24日星期四	2023年11月13日	年6月24日星期四2021	NA			0 days		73%
1657	CS2-23000	SW2			Sewerage and utilities in Workfront G4	157 days	2021年6月25日	2021年12月31日	390 days	2021年6月30日星期三	2022年10月21日	年6月30日星期三2021	年10月21日星期五2022			0 days		100%
1658	CS2-23100	SW2			DN700 CHER CH0-38	157 days	2021年6月25日	2021年12月31日	390 days	2021年6月30日星期三	2022年10月21日	年6月30日星期三2021	年10月21日星期五2022			0 days		100%
1670	CS2-24000	SW2			Sewerage and utilities in Workfront G5	189 days	2021年8月2日星	2022年3月19日	593 days	2021年8月17日星期二	2023年8月17日	年8月17日星期二2021	NA		1722SS+21 days	637 days		72%
1671	CS2-24100	SW2	310	489	Process Pipe CHM, CHN, CHO, CHP, CHQ, CHV	189 days	2021年8月2日星	2022年3月19日	593 days	2021年8月17日星期二	2023年8月17日	年8月17日星期二2021	NA			637 days		78%
1695	CS2-25000	SW2			Sewerage and utilities in Workfront G6	158 days	2022年3月21日	2022年9月30日	609 days	2021年7月27日星期二	2023年8月15日	年7月27日星期二2021	NA		1971	61 days		37%
1697	CS2-25100a	SW2			Workfront G6a: Process Pipe CHN, CHPSW-1, CHSS1, CHSS2	158 days	2022年3月21日	2022年9月30日	532 days	2021年7月27日星期二	2023年5月13日	年7月27日星期二2021	NA	1609SS+36 days	1757	-13 days		23%
1707	CS2-25100b	SW2			Workfront G6b: Process Pipe CHN, CHPSW-1, CHSS1, CHSS2	0 days	NA	NA	476 days	2022年1月5日星期三	2023年8月15日	年1月5日星期三2022	NA	1706		61 days		37%
1721	CS2-26000	SW2			Sewerage and utilities in Workfront H1	100 days	2022年3月21日	2022年7月23日	178 days	2022年4月1日星期五	2022年11月7日	年4月1日星期五2022	年11月7日星期一2022			0 days		100%
1722	CS2-26100	SW2			Process Pipe CHSS1, CHSS2 CH181-254	100 days	2022年3月21日	2022年7月23日	178 days	2022年4月1日星期五	2022年11月7日	年4月1日星期五2022	年11月7日星期一2022	1670SS+21 days		0 days		100%
1733	CS2-27000	SW2			Sewerage and utilities in Workfront I1	88 days	2023年1月4日星	2023年4月24日	370 days	2020年7月8日星期三	2021年10月2日	年7月8日星期三2020	年10月2日星期六2021			0 days		100%
1734	CS2-27100	SW2			Process Pipe CHS CH0-72 , CHR CH 57-132	88 days	2023年1月4日星	2023年4月24日	370 days	2020年7月8日星期三	2021年10月2日	年7月8日星期三2020	年10月2日星期六2021			0 days		100%
1745	CS2-28000	SW2			Sewerage and utilities in Workfront I2	92 days	2022年9月13日	2023年1月3日星	963 days	2020年7月8日星期三	2023年10月4日	年7月8日星期三2020	NA			598 days		40%



Revised Master Programme (Status Date: 30/04/2023)

識別碼	Activity ID	Key Date	NCE/(EW	PMI/(CE)	Task Name	比較基準工期	比較基準開始時間	比較基準完成時間	工期	開始時間	完成時間	實際開始時間	實際完成時間	前置任務	後續任務	總寬限時間	Ris All	完成百分比
1746	**CS2-28100**	**SW2**			**Process Pipe CHR CH0-26**	**92 days**	**2022年9月13日**	**2023年1月3日星**	**963 days**	**2020年7月8日星期三**	**2023年10月4日,**	**年7月8日星期三2020**	**NA**			**598 days**		**55%**
1762	**CS2-29000**	**SW2**			**Sewerage and utilities in Workfront I3**	**128 days**	**2022年8月1日星**	**2023年1月3日星**	**534 days**	**2021年7月21日星期三**	**2023年5月10日,**	**年7月21日星期三2021**	**NA**		**1998**	**124 days**		**88%**
1763	**CS2-29100**	**SW2**	**294,286,2**		**Construction of manhole MHFB51A, MHFB51, MHFB52, PSW3**	**128 days**	**2022年8月1日星**	**2023年1月3日星**	**510 days**	**2021年7月21日星期三**	**2023年4月11日,**	**年7月21日星期三2021**	**NA**			**148 days**		**93%**
1798	**CS2-30000**	**SW2**			**Sewerage and utilities in Workfront I4**	**86 days**	**2021年10月11日**	**2022年1月22日**	**661 days**	**2021年6月5日星期六**	**2023年8月26日,**	**年6月5日星期六2021**	**NA**		**1987**	**27 days**		**58%**
1801	**CS2-30100**	**SW2**	**230,238,2**		**Construction of Process Pipes CHPSW3; CHDO1, chemical trench**	**86 days**	**2021年10月11日**	**2022年1月22日**	**661 days**	**2021年6月5日星期六**	**2023年8月26日,**	**年6月5日星期六2021**	**NA**			**27 days**		**75%**
2024	**CLW-0000**	*			**Landscaping Works**	**855 days**	**2022年7月27日**	**2025年6月11日**	**862 days**	**2022年7月27日星期三**	**2025年6月11日,**	**NA**	**NA**	**16**		**90 days**		**0%**
2025	CLW-1000	SW3			Irrigation System	120 days	2022年7月27日	2022年12月16日	120 days	2022年7月27日星期三	2022年12月16日	NA	NA		2026	94 days		0%
2026	CLW-2000	SW3			Hard Landscaping Works	214 days	2022年12月17日	2023年9月8日星	215 days	2022年12月17日星期六	2023年9月9日星	NA	NA	2025	58FF,2027	94 days	5	0%
2027	CLW-3000	SW3			Soft Landscaping Works	214 days	2023年9月9日星	2024年6月11日	213 days	2023年9月19日星期二	2024年6月11日	NA	NA	2026	2028,58FF	87 days	5	0%
2028	CLW-4000	DLP			Establishment Works (365 days)	365 days	2024年6月12日	2025年6月11日	365 days	2024年6月12日星期三	2025年6月11日	NA	NA	2027,163	59FF,60FF	105 days	5	0%



Contract No.: DC/2018/06
Contract Title: Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
- Civil Works for Sludge Treatment Facilities and 132kV Primary Substation

Executive Summary Programme (Status Date:20/01/2023)

群利－俊和聯營體
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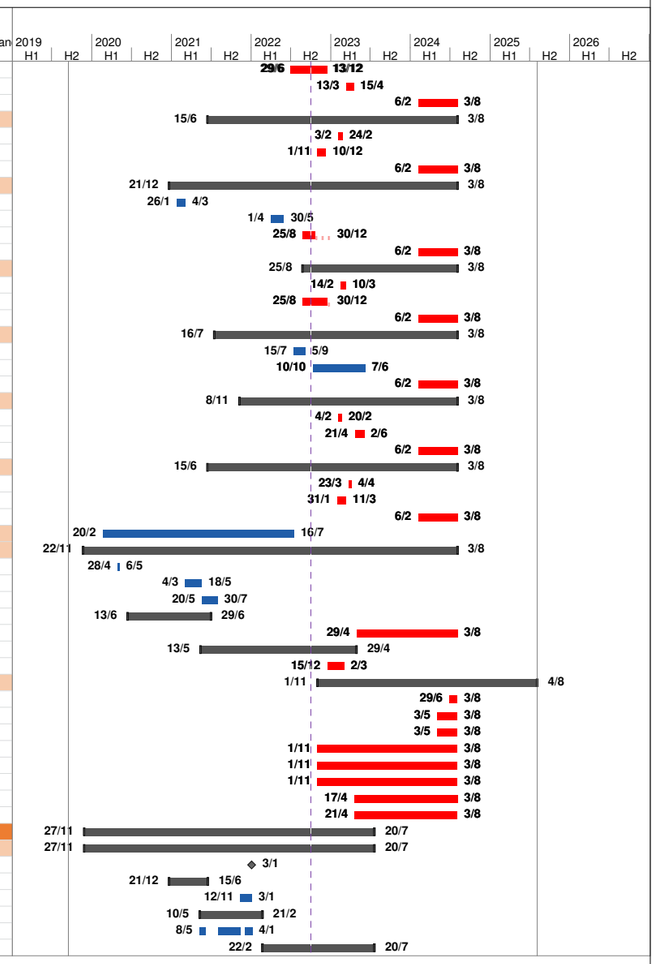
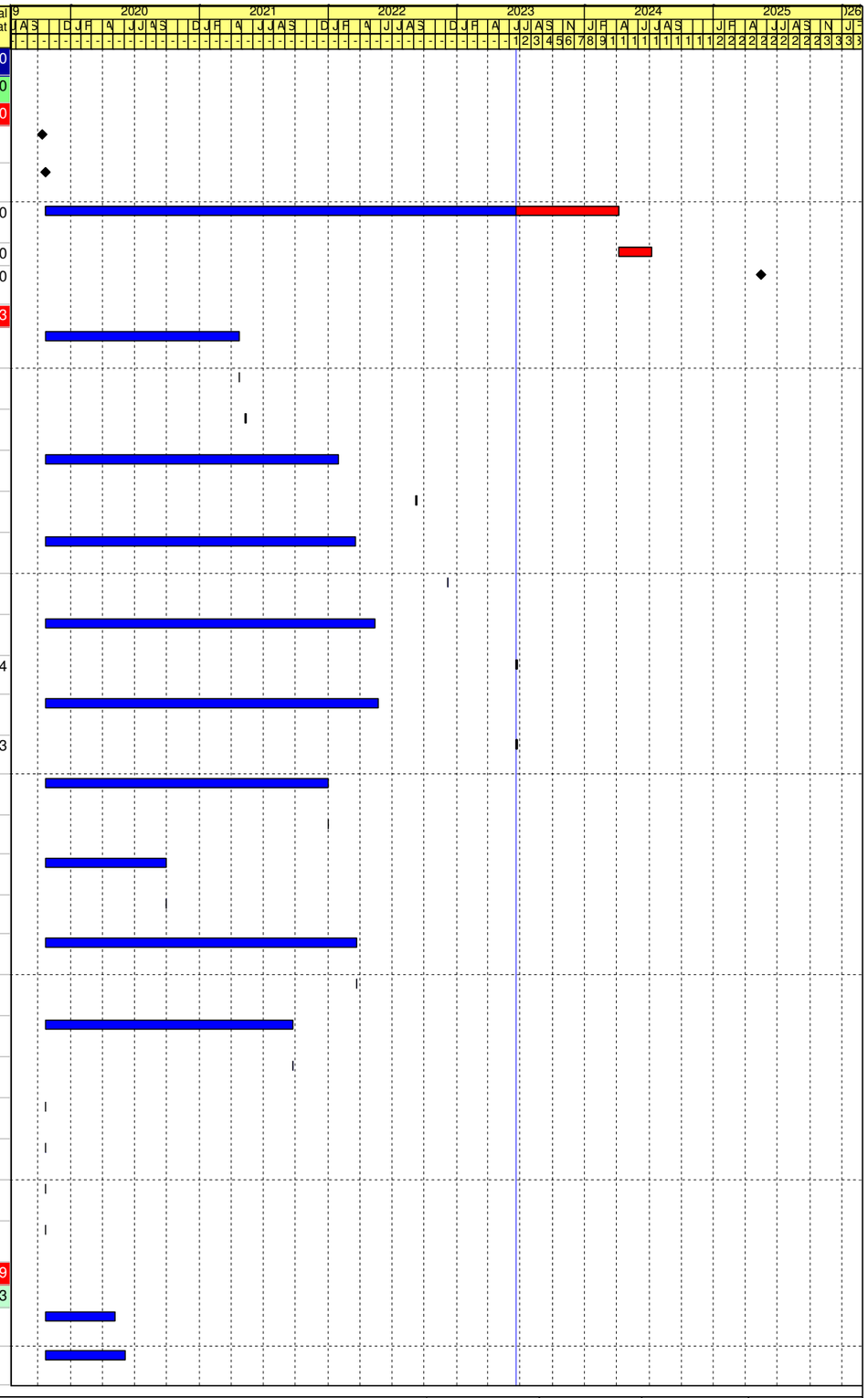
ID	Activity ID	KD	Task Name	Inclement Weather CE no. (NCE no.)	PMI & CE no. (NCE no.)	Duration	Start	Finish	Actual Start	Actual Finish	Predecessors	Successors	% Complete	Time Risk Allowan
473	CCPS-02000	KD3E	R.C. Structure			140 days	Wed 29/6/22	Tue 13/12/22	Wed 29/6/22		NA 166,238,472SS-2 emons,471FS+61	474FS+21 days	0%	5
474	CCPS-02500	SW4	Surrounding sewerage, utility and process pipe works			26 days	Mon 13/3/23	Sat 15/4/23	NA		NA 473FS+21 days,366,319	47FF,594FF,595FF,596FF	0%	
475	CCPS-03000	SW5	Surrounding Site formation works and road works			180 days	Tue 6/2/24	Sat 3/8/24	NA		NA 325FF	594FF,595FF,596FF	0%	
476	**CWGB-00000**	*	**Waste Gas Burner (8)**			**924.8 days**	**Tue 15/6/21**	**Sat 3/8/24**	**Tue 15/6/21**		**NA**		**4%**	
482	CWGB-03000	KD3E	R.C. Plinth			18 days	Fri 3/2/23	Fri 24/2/23	NA		NA 166,481SS-2 emons,478FS+30 days	42FF	0%	
483	CWGB-03500	SW4	Surrounding sewerage, utility and process pipe works			34 days	Tue 1/11/22	Sat 10/12/22	NA		NA 402FS+36 days	47FF,595FF,596FF,479FS+28 d	0%	
484	CWGB-04000	SW5	Surrounding Site formation works and road works			180 days	Tue 6/2/24	Sat 3/8/24	NA		NA 325FF	48FF,594FF,595FF,596FF	0%	
485	**CPSW-00000**	*	**Plant Services Water System (20)**			**1062.8 days**	**Mon 21/12/20**	**Sat 3/8/24**	**Mon 21/12/20**		**NA**		**29%**	
489	CPSW-03000	KD3E	Basement Construction @+1.20mPD - Change to Works Information (Basement)		*(136), (117)*	30 days	Tue 26/1/21	Thu 4/3/21	Tue 26/1/21	Thu 4/3/21	487,166,488SS-2 emons	42FF,490	100%	
490	CPSW-03500	SW3	ABWF Works & BS Works			60 days	Fri 1/4/22	Mon 30/5/22	Fri 1/4/22	Mon 30/5/22	489	46FF	100%	
491	CPSW-03600	SW4	Surrounding sewerage, utility and process pipe works - (Updated Process Pipe Arrangement)		*439,455*	105 days	Thu 25/8/22	Fri 30/12/22	Thu 25/8/22		NA 346SS+2 days	47FF,595FF,596FF,594FF	0%	
492	CPSW-04000	SW5	Surrounding Site formation works and road works	338,(204),		180 days	Tue 6/2/24	Sat 3/8/24	NA		NA 325FF	48FF,594FF,595FF,596FF	0%	
493	**CDS11-00000**	*	**Deodorization System No. 11 (18)**			**568.8 days**	**Thu 25/8/22**	**Sat 3/8/24**	**NA**		**NA**		**0%**	
499	CDS11-03000	KD3E, SW3	R.C. Plinth			22 days	Tue 14/2/23	Fri 10/3/23	NA		NA 166,494SS-2 emons,498	42FF,456SS,46FF	0%	
500	CDS11-03500	SW4	Surrounding sewerage, utility and process pipe works			105 days	Thu 25/8/22	Fri 30/12/22	NA		NA 346SS+2 days	47FF,594FF,595FF,596FF	0%	
501	CDS11-04000	SW5	Surrounding Site formation works and road works			180 days	Tue 6/2/24	Sat 3/8/24	NA		NA 325FF	48FF,594FF,595FF,596FF	0%	
502	**CBGH-00000**	*	**Biogas Holder (7)**			**898.8 days**	**Fri 16/7/21**	**Sat 3/8/24**	**Fri 16/7/21**		**NA**		**23%**	
506	CBGH-03000	KD3E, SW3	R.C. Plinth - Change to Works Information (Resize of Plinth)		481	45 days	Fri 15/7/22	Mon 5/9/22	Fri 15/7/22	Mon 5/9/22	504,166,505SS-2 emons,503FS-17 (	42FF,46FF,507	100%	
507	CBGH-03500	SW4	Surrounding sewerage, utility and process pipe works - update process pipe arrangement, Revised Plan for Pipe		262,297,248	195 days	Mon 10/10/22	Wed 7/6/23	Mon 10/10/22		NA 506,317SS+5 days	47FF,595FF,596FF,594FF	0%	
508	CBGH-04000	SW5	Surrounding Site formation works and road works			180 days	Tue 6/2/24	Sat 3/8/24	NA		NA 325FF	48FF,594FF,595FF,596FF	0%	
509	**CH2S-00000**	*	**H2S Removal System (12)**			**803.8 days**	**Mon 8/11/21**	**Sat 3/8/24**	**Mon 8/11/21**		**NA**		**7%**	
515	CH2S-03000	KD3E, SW3	R.C. Plinth			14 days	Sat 4/2/23	Mon 20/2/23	NA		NA 513FS+45 days	42FF,46FF	0%	
516	CH2S-03500	SW4	Surrounding sewerage, utility and process pipe works	248		35 days	Fri 21/4/23	Fri 2/6/23	NA		NA 324SS+9 days	47FF,595FF,596FF,594FF	0%	
517	CH2S-04000	SW5	Surrounding Site formation works and road works			180 days	Tue 6/2/24	Sat 3/8/24	NA		NA 325FF	48FF,594FF,595FF,596FF	0%	
518	**CDS12-00000**	*	**Deodorization System No. 12 (19)**			**924.8 days**	**Tue 15/6/21**	**Sat 3/8/24**	**Tue 15/6/21**		**NA**		**0%**	
522	CDS12-03000	KD3E, SW3	R.C. Plinth			11 days	Thu 23/3/23	Tue 4/4/23	NA		NA 166,521SS-2 emons,520	42FF,46FF	0%	
523	CDS12-03500	SW4	Surrounding sewerage, utility and process pipe works			35 days	Tue 31/1/23	Sat 11/3/23	NA		NA 319FS-35 days	47FF,595FF,596FF,594FF	0%	
524	CDS12-04000	SW5	Surrounding Site formation works and road works			180 days	Tue 6/2/24	Sat 3/8/24	NA		NA 325FF	48FF,594FF,595FF,596FF	0%	
525	CUPH-00000	SW5	Underpass & Pump House			711 days	Thu 20/2/20	Sat 16/7/22	Thu 20/2/20		NA	47FF	81%	
526	**CPWU-00000**	*	**Pipe Works and Utility Installation**			**1383 days**	**Fri 22/11/19**	**Sat 3/8/24**	**Fri 22/11/19**		**NA**		**56%**	
531	CPWU-01130	KD1A	Stage 1 - Backfilling Works for Drainage Diversion			9 days	Tue 28/4/20	Wed 6/5/20	Tue 28/4/20	Wed 6/5/20		263	100%	
532	CPWU-01140	KD1A	Stage 2 - Drainage Diversion of Drainage b/w MHD26 and SMHH1003177A, to Abandon of Exisitng Drainage Cul	338, (204), (228		60 days	Thu 4/3/21	Tue 18/5/21	Thu 4/3/21	Tue 18/5/21	275	533	100%	
533	CPWU-01150	SW1	Stage 2 - Drainage Diversion of Drainage b/w MHD26 and SMHH1003177A, to Abandon of Exisitng Drainage Cul			60 days	Thu 20/5/21	Fri 30/7/21	Thu 20/5/21	Fri 30/7/21	532	44FF	100%	
534	**CPWU-01200**	**SW4**	**Trenchless Work for Pipe Installation**			**309 days**	**Sat 13/6/20**	**Tue 29/6/21**	**Sat 13/6/20**	**Tue 29/6/21**		**47FF**	**100%**	
557	CPWU-01020	SW5	Surrounding Site formation works and road works			462 days	Sat 29/4/23	Sat 3/8/24	NA		NA 556,558	48FF	0%	
558	**CPWU-02160**	**SW4**	Cable & Other Underground Utility Pipeworks	**17, 21, 22, 33, 4**	**(283)**	**582 days**	**Thu 13/5/21**	**Sat 29/4/23**	**Thu 13/5/21**		**NA 171,336,393**	**557,47FF**	**67%**	
592	CPWU-02200	SW4	Pipe Bridge No.1		297	60 days	Thu 15/12/22	Thu 2/3/23	NA		NA 344FS+120 days	589FF	0%	
593	**CRWL-00000**	*	**Remaining Works & Landscape Works**			**820.8 days**	**Tue 1/11/22**	**Mon 4/8/25**	**NA**		**NA**		**0%**	
594	CRWL-01000	SW5	Irrigation System		218	30 days	Sat 29/6/24	Sat 3/8/24	NA		NA 174,285,324FF,325FF,350FF,351FF	48FF,50	0%	
595	CRWL-02000	SW5	Hard Landscape Works			77 days	Fri 3/5/24	Sat 3/8/24	NA		NA 174,285,324FF,350FF,370FF,384FF	48FF,50	0%	
596	CRWL-03000	SW5	Soft Landscape Works			77 days	Fri 3/5/24	Sat 3/8/24	NA		NA 174,285,324FF,350FF,370FF,384FF	602,48FF,50	0%	
597	CRWL-04000	SW5	Outfall for Effluent Pipes			512 days	Tue 1/11/22	Sat 3/8/24	NA		NA 214	48FF	0%	
598	CRWL-05000	SW5	Slope Formation Works near Outfall			512 days	Tue 1/11/22	Sat 3/8/24	NA		NA 214	48FF,600FF	0%	
599	CRWL-06000	SW5	Removal of invasive trees along River Embankment		(37)	512 days	Tue 1/11/22	Sat 3/8/24	NA		NA 214	600FF	0%	
600	CRWL-07000	SW5	Retaining Wall along River Embankment, street furniture & road works			379 days	Mon 17/4/23	Sat 3/8/24	NA		NA 214,599FF,598FF	48FF	0%	
601	CRWL-08000	SW5	Remaining Site formation works, road works and boundary fence wall		(348), 299	376 days	Fri 21/4/23	Sat 3/8/24	NA		NA 46	48FF	0%	
603	**CWPA-00000**	*	**Construction of Portion A of the Site**			**1077 days**	**Wed 27/11/19**	**Thu 20/7/23**	**Wed 27/11/19**		**NA**		**83%**	
604	**C132S-00000**	*	**132kV Substation**			**1077 days**	**Wed 27/11/19**	**Thu 20/7/23**	**Wed 27/11/19**		**NA**		**83%**	
635	C132SI-31000	KD2A	**Allow for CLP to carry out E&M installation works**			**0 days**	**Mon 3/1/22**	**Mon 3/1/22**	**Mon 3/1/22**	**Mon 3/1/22**	**633,632,653**	**636SS-30 days,37FF,656**	**100%**	
638	**C132SE-01000**	**KD2A**	**Road Widening Works**	**(20)**		**139 days**	**Mon 21/12/20**	**Tue 15/6/21**	**Mon 21/12/20**	**Tue 15/6/21**		**656**	**100%**	
647	C132SE-02030	KD2A	Backfilling and Reinstatement Works		(312), (332), (322)	42 days	Fri 12/11/21	Mon 3/1/22	Fri 12/11/21	Mon 3/1/22	646		100%	
648	C132SE-02040	KD2A	CLP Cable & Other Underground Utility Pipeworks			235 days	Mon 10/5/21	Mon 21/2/22	Mon 10/5/21	Mon 21/2/22		656	100%	
655	C132SE-03000	KD2A	Construction of New Boundary Wall		(155)	135 days	Sat 8/5/21	Tue 4/1/22	Sat 8/5/21	Tue 4/1/22	619	668	100%	
656	C132SE-04000	SW2	Remaining Works after allowing CLP Plant and Power Cables Installation			416 days	Tue 22/2/22	Thu 20/7/23	Tue 22/2/22		NA 636,634,635,638,643,648	45FF,668	43%	

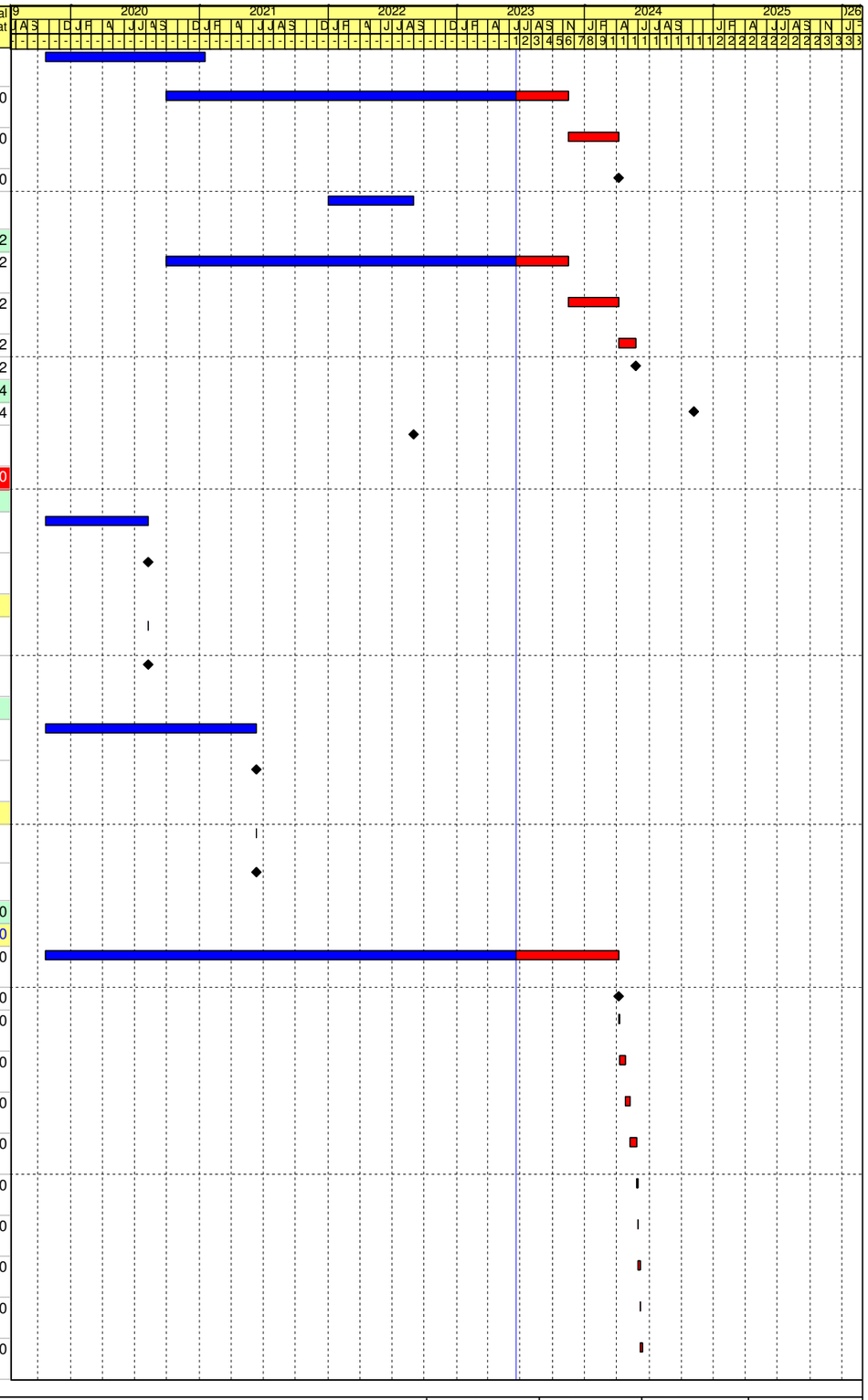


Critical Split | Task | Milestone | Summary | Critical

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Successors	Total Float
SWH - Main Works Stage 1 Sidestream Treatment Facilities & E&M Work		2043	11-Oct-19 A	14-May-25	31-Oct-21	14-May-25			0
Contract Data		2043	11-Oct-19 A	14-May-25	13-May-22	14-May-25			0
Starting Date & Completion Date		2043	11-Oct-19 A	14-May-25	21-Jun-23	14-May-25			0
CD1000	Contract Date (LOA)	0	11-Oct-19 A					CD1010, S1P1000,	
CD1010	Starting Date	0	23-Oct-19 A				CD1000	S1D1040, AD1050,	
CD1020	Whole Contract Period (1626 days from starting date)	1626	23-Oct-19 A	04-Apr-24	21-Jun-23	04-Apr-24	CD1010	CD1040, CD1030	0
CD1030	Extension of Time Granted (Total 94.5days)	95	05-Apr-24	08-Jul-24*	05-Apr-24	08-Jul-24	CD1020	CD1040	0
CD1040	Completion Date for the whole of the Works	0		14-May-25		14-May-25	CD1020, CD1010,		0
Access Date		1434	23-Oct-19 A	21-Jun-23	13-May-22	14-May-25			693
AD1000	Portion C-1A (within 480 to 550 days from starting date)	550	23-Oct-19 A	24-Apr-21 A	18-Oct-22	18-Oct-22	CD1010	AD1010	
AD1010	Planned Access Date for Portion C-1A (Partial Access)	1	24-Apr-21 A	24-Apr-21 A	18-Oct-22	18-Oct-22	CD1010, AD1000	PL1470, S4C1010	
AD1020	Planned Access Date for Portion C-1A (Access for Remaining Area)	1	12-May-21 A	12-May-21 A	18-Oct-22	18-Oct-22		S4C1010	
AD1030	Portion C-2A (within 705 to 795 days from starting date) (SS by NCE-NCE-288, within 705 to 831 days from starting date)	831	23-Oct-19 A	30-Jan-22 A	14-May-25	14-May-25	CD1010	AD1040	
AD1040	Planned Access Date for Portion C-2A	1	09-Sep-22 A	09-Sep-22 A	14-May-25	14-May-25	CD1010, AD1030		
AD1050	Portion C-2B (within 765 to 855 days from starting date) (SS by NCE-NCE-286, within 765 to 880 days from starting date)	880	23-Oct-19 A	20-Mar-22 A	16-Jan-23	16-Jan-23	CD1010	AD1060	
AD1060	Planned Access Date for Portion C-2B	1	07-Dec-22 A	07-Dec-22 A	16-Jan-23	16-Jan-23	CD1010, AD1050	S5CHPC1020	
AD1070	Portion C-2C (within 715 to 805 days from starting date) (SS by NCE-NCE-287, within 715 to 934 days from starting date)	934	23-Oct-19 A	13-May-22 A	13-May-22	13-May-22	CD1010	AD1080	
AD1080	Planned Access Date for Portion C2-C	1	21-Jun-23	21-Jun-23*	13-May-22	13-May-22	CD1010, AD1070	S5DIGC1040, S5DIGC1210,	-404
AD1090	Portion C-2D (within 825 to 945 days from starting date)	945	23-Oct-19 A	24-May-22 A	24-May-22	24-May-22	CD1010	AD1100	
AD1100	Planned Access Date for Portion C-2D	1	21-Jun-23	21-Jun-23*	24-May-22	24-May-22	AD1090	S5BIOC1020, S5BIOC1030,	-393
AD1110	Portion C-3 (within 615 to 705 days from starting date) (SS by NCE-NCE-273, within 615 to 815 days from starting date)	815	23-Oct-19 A	31-Dec-21 A	02-Oct-22	02-Oct-22	CD1010	AD1120	
AD1120	Planned Access Date for Portion C-3 (SS by NCE-NCE-273)	1	31-Dec-21 A	31-Dec-21 A	02-Oct-22	02-Oct-22	AD1110, S2D1110	KD1060, S5WS2C1000,	
AD1130	Portion B-1 (within 285 to 345 days from starting date)	345	23-Oct-19 A	30-Sep-20 A	02-May-23	02-May-23	CD1010	AD1140	
AD1140	Planned Access Date for Portion B-1	1	30-Sep-20 A	30-Sep-20 A	02-May-23	02-May-23	AD1130	KD1030, S3C1020,	
AD1150	Portion B-2a (within 615 to 705 days from starting date) (SS by NCE-NCE-219, within 771 to 891 days from starting date)	891	23-Oct-19 A	23-Mar-22 A	20-Mar-23	20-Mar-23	CD1010	AD1160	
AD1160	Planned Access Date for Portion B-2a (SS by NCE-NCE-219)	1	23-Mar-22 A	23-Mar-22 A	20-Mar-23	20-Mar-23	AD1150	S5SASC1010, S5SASC1000	
AD1170	Portion B-2b (within 615 to 705 days from starting date) (SS by NCE-NCE-219)	705	23-Oct-19 A	24-Sep-21 A	14-May-25	14-May-25			
AD1180	Planned Access Date for Portion B-2b (SS by NCE-NCE-219)	1	24-Sep-21 A	24-Sep-21 A	14-May-25	14-May-25			
AD1190	Works Area WA1-B (starting date)	1	23-Oct-19 A	23-Oct-19 A	26-Oct-22	26-Oct-22	CD1010	AD1200	
AD1200	Planned Access Date for Works Area WA1-B	1	23-Oct-19 A	23-Oct-19 A	26-Oct-22	26-Oct-22	CD1010, AD1190	PL1000, PL1020	
AD1210	Works Area WA3 (starting date)	1	23-Oct-19 A	23-Oct-19 A	27-Apr-24	27-Apr-24	CD1010	AD1220	
AD1220	Planned Access Date for Works Area WA3	1	23-Oct-19 A	23-Oct-19 A	27-Apr-24	27-Apr-24	CD1010, AD1210	PL1000, PL1030	
Key Dates		1842	23-Oct-19 A	06-Nov-24	18-Feb-23	14-May-25			189
Contractual Completion (Include Implemented CE)		1628	23-Oct-19 A	06-Apr-24	18-Feb-23	14-May-25			403
KD1000	KD1A Submission of Civil Requirement Dwgs, Elec. Schematic Dwgs of UV System No.1 and Effluent Pumping Station No.1	196	23-Oct-19 A	05-May-20 A	18-Feb-23	18-Feb-23	CD1010, S1D1040,	CD1040, S4P1040	
KD1010	KD2A Submission of Civil Requirement Dwgs, Elec. Schematic Dwgs of SD Bldg, SD & DC, CHP Bldg, Workshop No.2, etc.	226	23-Oct-19 A	04-Jun-20 A	14-May-25	14-May-25	CD1010, S2D1080,	KD1020	



Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Successors	Total Float
KD1020	KD2B Submission of Remaining Civil Requirement Dwgs, Elec. Schematic Dwgs of SD Bldg, SD & DC, CHP Bldg, etc.	461	23-Oct-19 A	16-Jan-21 A	14-May-25	14-May-25	CD1010, S2D1120,	SC21110	
KD1030	KD3A Completion of Phase 1 Commissioning of Sidestream Treatment Facilities (1140d after Portion B-1 Access)	1141	30-Sep-20 A	14-Nov-23*	02-May-23	26-Sep-23	AD1140	KD1040	-50
KD1040	Extension of Time Granted for KD3A (Total 144days)	144	15-Nov-23	06-Apr-24	26-Sep-23	17-Feb-24	KD1030	SC31110, KD1050	-50
KD1050	Revised Completion Date for KD3A	0		06-Apr-24*		17-Feb-24	KD1040		-50
KD1060	KD5A - Completion of BS Fitting at CLP Sub-Station at Workshop No.2 (245d after Portion C-3 Access)(Impacted by NCE-273)	246	31-Dec-21 A	02-Sep-22 A	14-May-25	14-May-25	AD1120, S5WS2C1010		
Expected Completion (Include Non-implemented CE)		1280	30-Sep-20 A	23-May-24	09-Jun-23	11-May-24			-12
KD1030-1	KD3A Completion of Phase 1 Commissioning of Sidestream Treatment Facilities (1140d after Portion B-1 Access)	1141	30-Sep-20 A	14-Nov-23*	09-Jun-23	02-Nov-23	AD1140	KD1040-1	-12
KD1040-1	Extension of Time Granted for KD3A (Total 144 days)	144	15-Nov-23	06-Apr-24	03-Nov-23	25-Mar-24	KD1030-1	SC31110, KD1045	-12
KD1045	Extension of Time for KD3A - Non-implemented (Total 47days)	47	07-Apr-24	23-May-24	26-Mar-24	11-May-24	KD1040-1	KD1050-1	-12
KD1050-1	Expected Completion Date for KD3A	0		23-May-24*		11-May-24	KD1045		-12
Planned Completion		765	02-Sep-22 A	06-Nov-24	17-Feb-24	17-Feb-24			-264
KD1050-2	Planned Completion Date for KD3A	0		06-Nov-24*		17-Feb-24	S3T1230	SC31110	-264
KD1060-1	Planned Completion Date for KD5A	0		02-Sep-22 A			AD1120, S5WS2C1010		
Completion Date		2031	23-Oct-19 A	14-May-25	21-Jun-23	14-May-25			0
Section 1 - Complete All Design at UV System No.1 & EP Station No. 1		312	23-Oct-19 A	08-Aug-20 A	14-May-25	14-May-25			
SC11000	Contract Duration of Section 1	291	23-Oct-19 A	08-Aug-20 A	14-May-25	14-May-25	CD1010	SC11100	
SC11100	Completion date - Section 1 (290 days after starting date)	0		08-Aug-20 A			SC11000	SC11120	
Time Risk Allowance and Planned Completion		1	08-Aug-20 A	08-Aug-20 A	14-May-25	14-May-25			
SC11110	Time Risk Allowance for Section 1	1	08-Aug-20 A	08-Aug-20 A	14-May-25	14-May-25	S1P1000, S1P1040,	SC11120	
SC11120	Planned Completion for Section 1	0		08-Aug-20 A			SC11110, SC11100	CD1040	
Section 2 - Complete All Designs (exclude Sec. 1 & 3)		632	23-Oct-19 A	11-Jun-21 A	14-May-25	14-May-25			
SC21000	Contract Duration of Section 2	601	23-Oct-19 A	11-Jun-21 A	14-May-25	14-May-25	CD1010	SC21100	
SC21100	Completion date - Section 2 (600 days after starting date)	0		11-Jun-21 A			SC21000	SC21120	
Time Risk Allowance and Planned Completion		9	11-Jun-21 A	11-Jun-21 A	14-May-25	14-May-25			
SC21110	Time Risk Allowance for Section 2	6	11-Jun-21 A	11-Jun-21 A	14-May-25	14-May-25	S2P1000, S2P1010,	SC21120	
SC21120	Planned Completion for Section 2	0		11-Jun-21 A			SC21110, SC21100,	CD1040	
Section 3 - Complete Design, Construction & T&C for Sidestream Facilities		2031	23-Oct-19 A	14-May-25	21-Jun-23	14-May-25			0
Contractual Completion (Include Implemented CE)		1765	23-Oct-19 A	21-Aug-24	21-Jun-23	21-Aug-24			0
SC31000	Contract Duration of Section 3	1626	23-Oct-19 A	04-Apr-24	21-Jun-23	04-Apr-24		SC31001	0
SC31001	Completion date - Section 3 (1625 days after starting date)	0		04-Apr-24*		04-Apr-24	SC31000	SC31002	0
SC31002	NICE-CNE-0248 - Inclement Weather (May 2021) - 5days (Implemented)	5	05-Apr-24	09-Apr-24	05-Apr-24	09-Apr-24	SC31001	SC31003	0
SC31003	NICE-CNE-0256 Inclement Weather (June 2021) - 14.5days (Implemented)	15	10-Apr-24	24-Apr-24	10-Apr-24	24-Apr-24	SC31002	SC31005	0
SC31005	NICE-CNE-0264 Inclement Weather (July 2021) - 15days (Implemented)	15	24-Apr-24	09-May-24	24-Apr-24	09-May-24	SC31003	SC31006	0
SC31006	NICE-CNE-0292 Inclement Weather (August 2021) - 19days (Implemented)	19	09-May-24	28-May-24	09-May-24	28-May-24	SC31005	SC31007	0
SC31007	NICE-CNE-0293 Inclement Weather (September 2021) - 3.5days (Implemented)	4	28-May-24	31-May-24	28-May-24	31-May-24	SC31006	SC31010	0
SC31010	NICE-CNE-0313 Inclement Weather (November 2021) - 0.5days (Implemented)	1	01-Jun-24	01-Jun-24	01-Jun-24	01-Jun-24	SC31007	SC31011	0
SC31011	NICE-CNE-0343 Inclement Weather (December 2021) - 4days (Implemented)	4	01-Jun-24	05-Jun-24	01-Jun-24	05-Jun-24	SC31010	SC31012	0
SC31012	NICE-CNE-0344 Inclement Weather (January 2022) - 0.5days (Implemented)	1	05-Jun-24	05-Jun-24	05-Jun-24	05-Jun-24	SC31011	SC31013	0
SC31013	NICE-CNE-0345 Inclement Weather (February 2022) - 6.5days (Implemented)	7	06-Jun-24	12-Jun-24	06-Jun-24	12-Jun-24	SC31012	SC31014	0

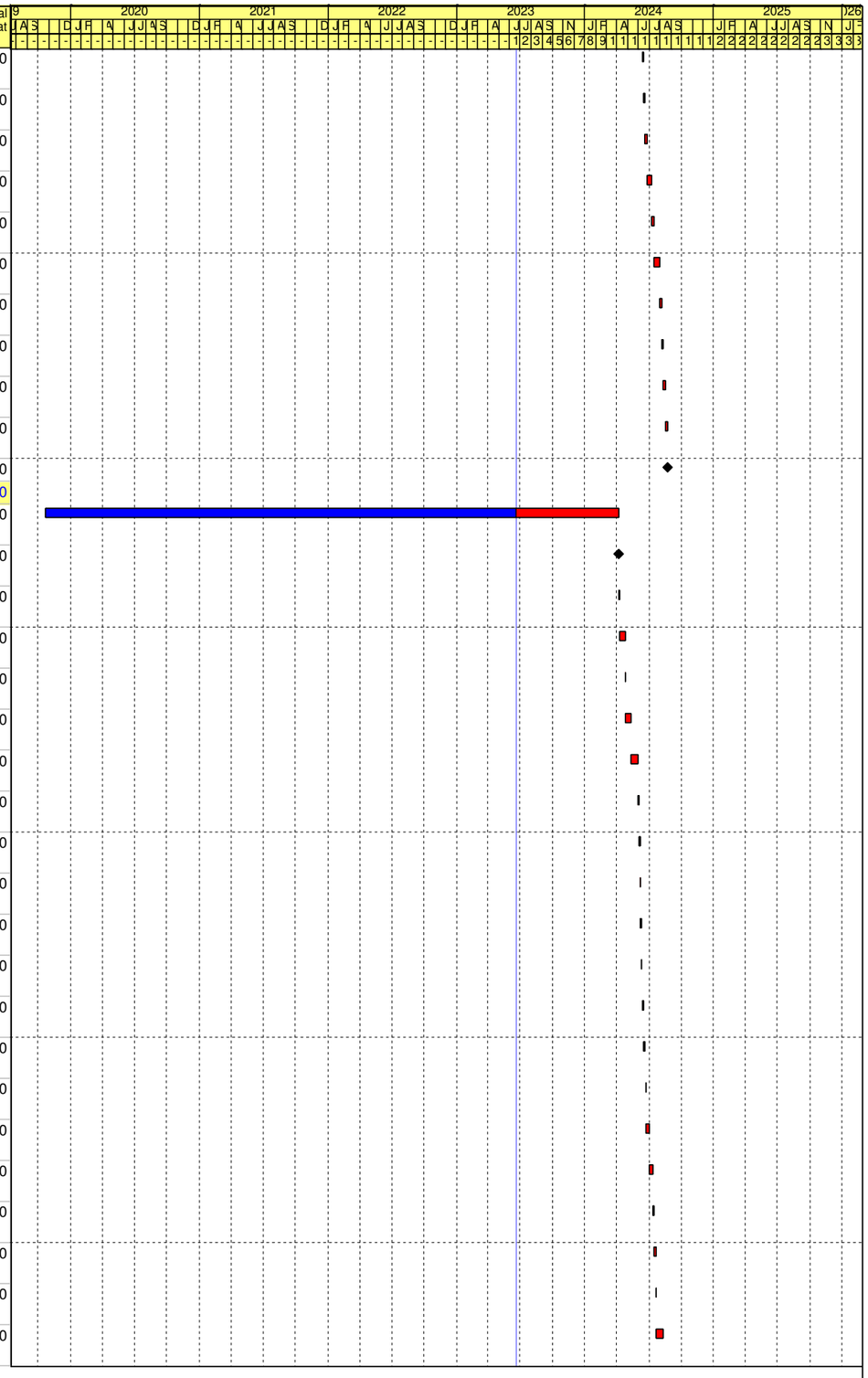


Remaining Work
Critical Activity
Milestone
Actual Progress

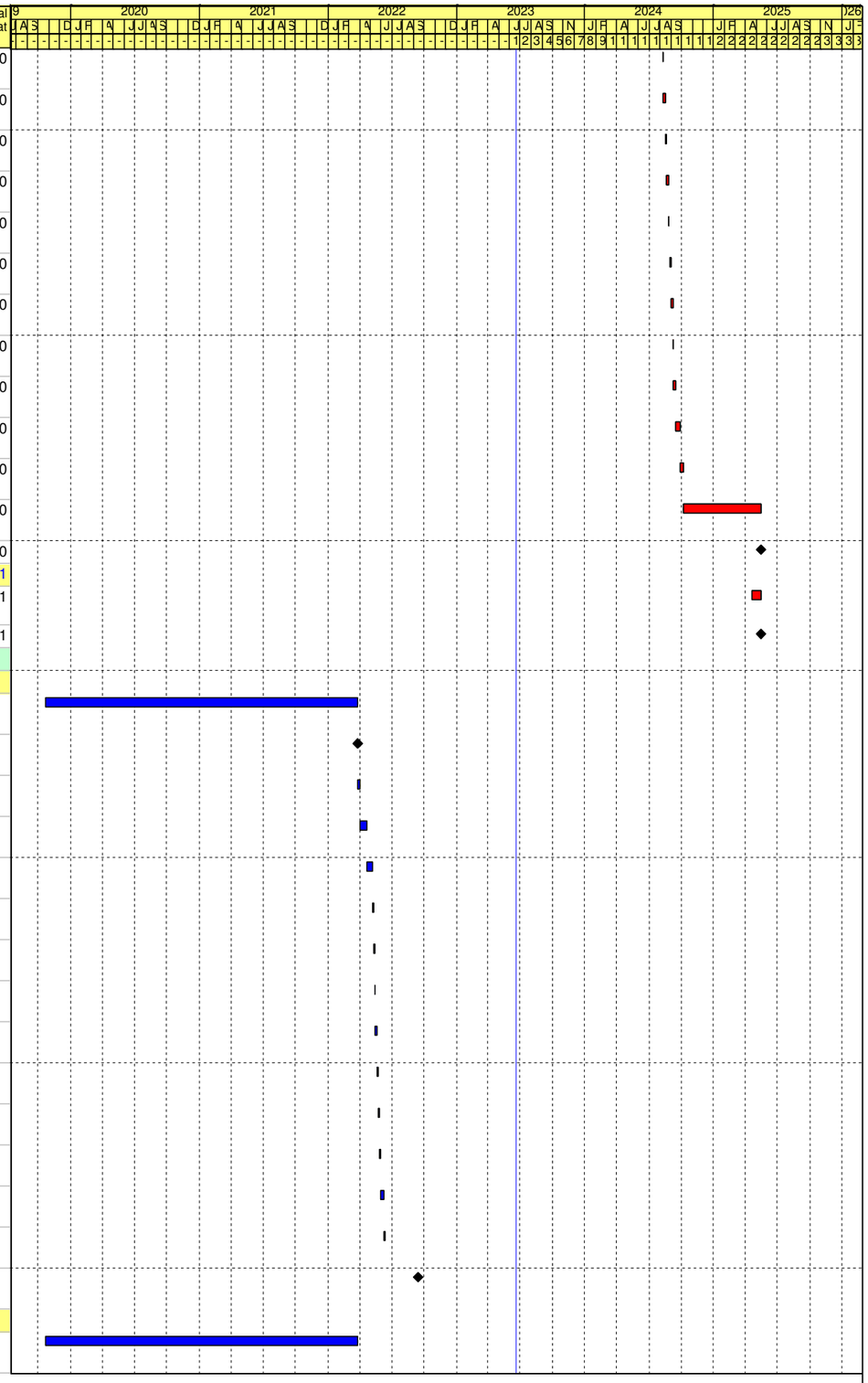
Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Jun 2023

Date	Revision	Checked	Approved
28-Feb-23	Rev.31	IM/LT	KM
31-Mar-23	Rev.32	IM/LT	KM
30-Apr-23	Rev.33	IM/LT	KM
31-May-23	Rev.34	IM/LT	KM
30-Jun-23	Rev.35	IM/LT	KM

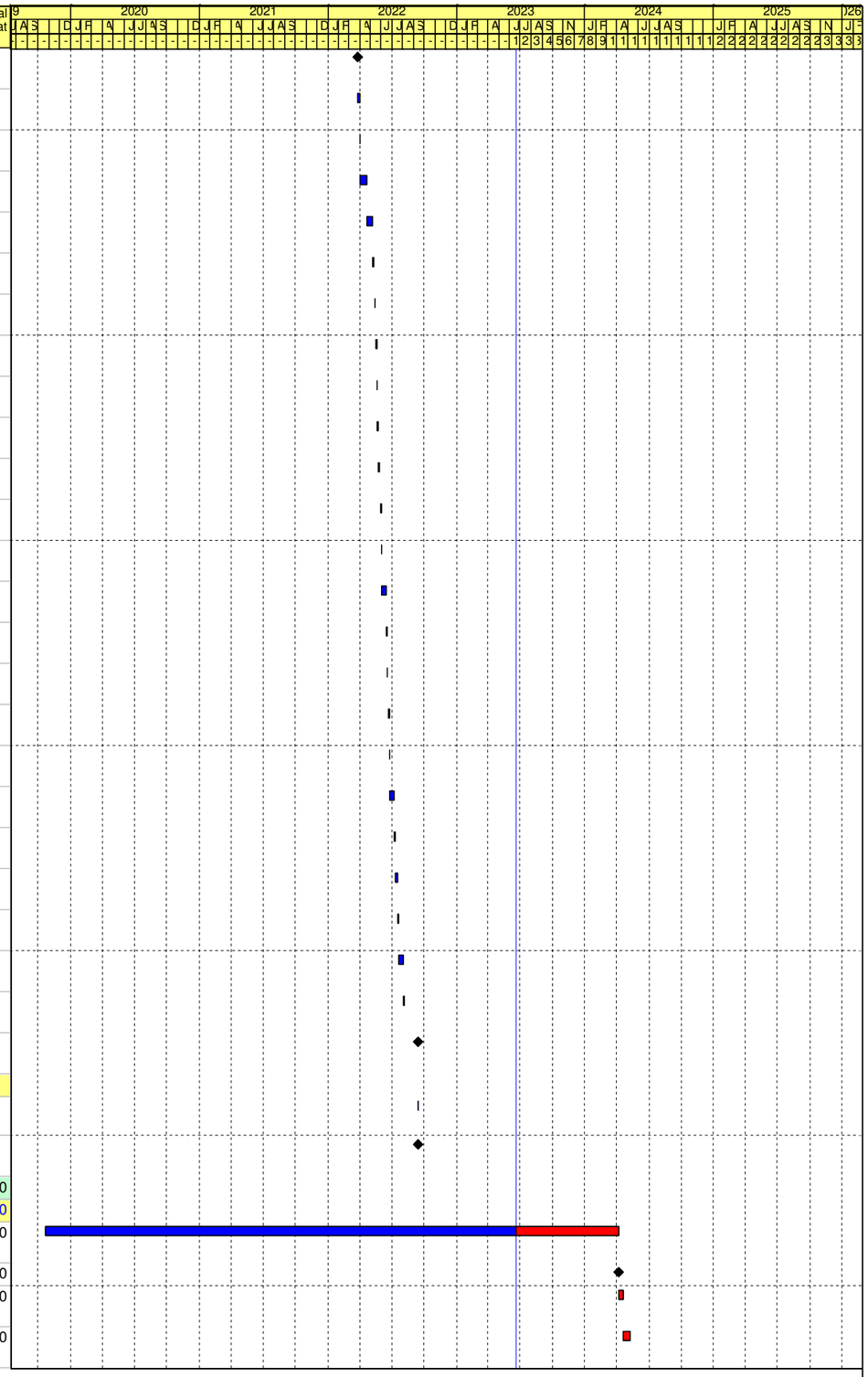
Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Successors	Total Float
SC31014	NICE-CNE-0386 Inclement Weather (March 2022) - 3.5days (Implemented)	4	12-Jun-24	15-Jun-24	12-Jun-24	15-Jun-24	SC31013	SC31015	0
SC31015	NICE-CNE-0387 Inclement Weather (April 2022) - 2.5days (Implemented)	3	16-Jun-24	18-Jun-24	16-Jun-24	18-Jun-24	SC31014	SC31016	0
SC31016	NICE-CNE-0391 Inclement Weather (May 2022) - 8.5days (Implemented)	9	18-Jun-24	26-Jun-24	18-Jun-24	26-Jun-24	SC31015	SC31026	0
SC31026	NICE-CNE-0397 Inclement Weather (June 2022) - 11.5days (Implemented)	12	27-Jun-24	08-Jul-24	27-Jun-24	08-Jul-24	SC31016	SC31027	0
SC31027	NICE-CNE-0405 Inclement Weather (July 2022) - 5.5days (Implemented)	6	08-Jul-24	13-Jul-24	08-Jul-24	13-Jul-24	SC31026	SC31028	0
SC31028	NICE-CNE-0409 Inclement Weather (August 2022) - 17.5days (Implemented)	18	14-Jul-24	31-Jul-24	14-Jul-24	31-Jul-24	SC31027	SC31029	0
SC31029	NICE-CNE-0427 Inclement Weather (September 2022) - 7days (Implemented)	7	31-Jul-24	07-Aug-24	31-Jul-24	07-Aug-24	SC31028	SC31030	0
SC31030	NICE-CNE-0428 Inclement Weather (October 2022) - 2days (Implemented)	2	07-Aug-24	09-Aug-24	07-Aug-24	09-Aug-24	SC31029	SC31031	0
SC31031	NICE-CNE-0433 Inclement Weather (November 2022) - 7.5days (Implemented)	8	09-Aug-24	16-Aug-24	09-Aug-24	16-Aug-24	SC31030	SC31032	0
SC31032	NICE-CNE-0441 Inclement Weather (December 2022) - 5days (Implemented)	5	17-Aug-24	21-Aug-24	17-Aug-24	21-Aug-24	SC31031	SC31100	0
SC31100	Revised Completion for Section 3	0		21-Aug-24*		21-Aug-24	SC31032		0
Expected Completion (Include Non-implemented CE)		2031	23-Oct-19 A	14-May-25	21-Jun-23	14-May-25			0
SC31000-1	Contract Duration of Section 3	1626	23-Oct-19 A	04-Apr-24	21-Jun-23	04-Apr-24	CD1010	SC31001-1	0
SC31001-1	Completion date - Section 3 (1625 days after starting date)	0		04-Apr-24*		04-Apr-24	SC31000-1	SC31110, SC31002-1	0
SC31002-1	NICE-CNE-0248 - Inclement Weather (May 2021) - 5days (Implemented)	5	05-Apr-24	09-Apr-24	05-Apr-24	09-Apr-24	SC31001-1	SC31003-1	0
SC31003-1	NICE-CNE-0256 Inclement Weather (June 2021) - 14.5days (Implemented)	15	10-Apr-24	24-Apr-24	10-Apr-24	24-Apr-24	SC31002-1	SC31004-1	0
SC31004-1	CNE-007 Black and Red Rainstorm Warning (June 2021) - 1day	1	24-Apr-24	25-Apr-24	24-Apr-24	25-Apr-24	SC31003-1	SC31005-1	0
SC31005-1	NICE-CNE-0264 Inclement Weather (July 2021) - 15days (Implemented)	15	25-Apr-24	10-May-24	25-Apr-24	10-May-24	SC31004-1	SC31006-1	0
SC31006-1	NICE-CNE-0292 Inclement Weather (August 2021) - 19days (Implemented)	19	10-May-24	29-May-24	10-May-24	29-May-24	SC31005-1	SC31007-1	0
SC31007-1	NICE-CNE-0293 Inclement Weather (September 2021) - 3.5days (Implemented)	4	29-May-24	01-Jun-24	29-May-24	01-Jun-24	SC31006-1	SC31009-1	0
SC31009-1	CNE-020 Inclement Weather (October 2021) (Time and Cost Implication) - 4days	4	02-Jun-24	05-Jun-24	02-Jun-24	05-Jun-24	SC31007-1	SC31010-1	0
SC31010-1	NICE-CNE-0313 Inclement Weather (November 2021) - 0.5days (Implemented)	1	06-Jun-24	06-Jun-24	06-Jun-24	06-Jun-24	SC31009-1	SC31011-1	0
SC31011-1	NICE-CNE-0343 Inclement Weather (December 2021) - 4days (Implemented)	4	06-Jun-24	10-Jun-24	06-Jun-24	10-Jun-24	SC31010-1	SC31012-1	0
SC31012-1	NICE-CNE-0344 Inclement Weather (January 2022) - 0.5days (Implemented)	1	10-Jun-24	10-Jun-24	10-Jun-24	10-Jun-24	SC31011-1	SC31013-1	0
SC31013-1	NICE-CNE-0345 Inclement Weather (February 2022) - 6.5days (Implemented)	7	11-Jun-24	17-Jun-24	11-Jun-24	17-Jun-24	SC31012-1	SC31014-1	0
SC31014-1	NICE-CNE-0386 Inclement Weather (March 2022) - 3.5days (Implemented)	4	17-Jun-24	20-Jun-24	17-Jun-24	20-Jun-24	SC31013-1	SC31015-1	0
SC31015-1	NICE-CNE-0387 Inclement Weather (April 2022) - 2.5days (Implemented)	3	21-Jun-24	23-Jun-24	21-Jun-24	23-Jun-24	SC31014-1	SC31016-1	0
SC31016-1	NICE-CNE-0391 Inclement Weather (May 2022) - 8.5days (Implemented)	9	23-Jun-24	01-Jul-24	23-Jun-24	01-Jul-24	SC31015-1	SC31017-1	0
SC31017-1	NICE-CNE-0397 Inclement Weather (June 2022) - 11.5days (Implemented)	12	02-Jul-24	13-Jul-24	02-Jul-24	13-Jul-24	SC31016-1	SC31018-1	0
SC31018-1	CNE-053 Inclement Weather (June 2022) (Time and Cost Implication) - 2days	2	13-Jul-24	15-Jul-24	13-Jul-24	15-Jul-24	SC31017-1	SC31019-1	0
SC31019-1	NICE-CNE-0405 Inclement Weather (July 2022) - 5.5days (Implemented)	6	15-Jul-24	20-Jul-24	15-Jul-24	20-Jul-24	SC31018-1	SC31020-1	0
SC31020-1	CNE-055 Inclement Weather (July 2022) (Time and Cost Implication) - 1day	1	21-Jul-24	21-Jul-24	21-Jul-24	21-Jul-24	SC31019-1	SC31021-1	0
SC31021-1	NICE-CNE-0409 Inclement Weather (August 2022) - 17.5days (Implemented)	18	22-Jul-24	08-Aug-24	22-Jul-24	08-Aug-24	SC31020-1	SC31022-1	0



Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Successors	Total Float
SC31022-1	CNE-057 Inclement Weather (August 2022) (Time and Cost Implication) - 1day	1	08-Aug-24	09-Aug-24	08-Aug-24	09-Aug-24	SC31021-1	SC31023-1	0
SC31023-1	NICE-CNE-0427 Inclement Weather (September 2022) - 7days (Implemented)	7	09-Aug-24	16-Aug-24	09-Aug-24	16-Aug-24	SC31022-1	SC31024-1	0
SC31024-1	NICE-CNE-0428 Inclement Weather (October 2022) - 2days (Implemented)	2	16-Aug-24	18-Aug-24	16-Aug-24	18-Aug-24	SC31023-1	SC31025-1	0
SC31025-1	NICE-CNE-0433 Inclement Weather (November 2022) - 7.5days (Implemented)	8	18-Aug-24	25-Aug-24	18-Aug-24	25-Aug-24	SC31024-1	SC31026-1	0
SC31026-1	CNE-062 Inclement Weather (November 2022) (Time and Cost Implication) - 2days	2	26-Aug-24	27-Aug-24	26-Aug-24	27-Aug-24	SC31025-1	SC31027-1	0
SC31027-1	NICE-CNE-0441 Inclement Weather (December 2022) - 5days (Implemented)	5	28-Aug-24	01-Sep-24	28-Aug-24	01-Sep-24	SC31026-1	SC31028-1	0
SC31028-1	CNE-068 Inclement Weather (January 2023) (Time Implication) - 5days	5	02-Sep-24	06-Sep-24	02-Sep-24	06-Sep-24	SC31027-1	SC31029-1	0
SC31029-1	CNE-070 Inclement Weather (February 2023) (Time Implication) - 2days	2	07-Sep-24	08-Sep-24	07-Sep-24	08-Sep-24	SC31028-1	SC31030-1	0
SC31030-1	CNE-071 Inclement Weather (March 2023) (Time Implication) - 5days	5	09-Sep-24	13-Sep-24	09-Sep-24	13-Sep-24	SC31029-1	SC31031-1	0
SC31031-1	CNE-072 Inclement Weather (April 2023) (Time Implication) - 14days	14	14-Sep-24	27-Sep-24	14-Sep-24	27-Sep-24	SC31030-1	SC31099-1, SC31032-1	0
SC31032-1	CNE-073 Inclement Weather (May 2023) (Time Implication) - 10days	10	28-Sep-24	07-Oct-24	28-Sep-24	07-Oct-24	SC31031-1	SC31099-1	0
SC31099-1	EWN-0314 Extention of Time for change of access date	219	08-Oct-24	14-May-25	08-Oct-24	14-May-25	SC31031-1, SC31032-1	SC31100-1	0
SC31100-1	Expected Completion for Section 3	0		14-May-25*		14-May-25	SC31099-1		0
Time Risk Allowance and Planned Completion		26	19-Apr-25	14-May-25	12-Jun-24	08-Jul-24			-311
SC31110	Time Risk Allowance for Section 3	26	19-Apr-25	14-May-25	12-Jun-24	08-Jul-24	SC31001-1, S3C1160,	SC31120	-311
SC31120	Planned Completion for Section 3	0		14-May-25*		08-Jul-24	SC31110	CD1040	-311
Section 4 - Complete Construction & T&C for UV System No.1 & EP Station No. 1		1309	23-Oct-19 A	14-Sep-22 A	14-May-25	14-May-25			
Contractual Completion (Include Implemented CE)		1309	23-Oct-19 A	14-Sep-22 A	14-May-25	14-May-25			
SC41000	Contract Duration of Section 4	886	23-Oct-19 A	26-Mar-22 A	14-May-25	14-May-25		SC41001	
SC41001	Completion date - Section 4 (885 days after starting date)	0		26-Mar-22 A			SC41000	SC41002	
SC41002	NICE-CNE-0256 Inclement Weather (June 2021) - 6.5days (Implemented)	7	27-Mar-22 A	02-Apr-22 A	14-May-25	14-May-25	SC41001	SC41004	
SC41004	NICE-CNE-0264 Inclement Weather (July 2021) - 19days (Implemented)	19	02-Apr-22 A	21-Apr-22 A	14-May-25	14-May-25	SC41002	SC41005	
SC41005	NICE-CNE-0292 Inclement Weather (August 2021) - 16days (Implemented)	16	21-Apr-22 A	07-May-22 A	14-May-25	14-May-25	SC41004	SC41006	
SC41006	NICE-CNE-0293 Inclement Weather (September 2021) - 4.5days (Implemented)	5	07-May-22 A	11-May-22 A	14-May-25	14-May-25	SC41005	SC41007	
SC41007	NICE-CNE-0309 Inclement Weather (October 2021) - 3days (Implemented)	3	12-May-22 A	14-May-22 A	14-May-25	14-May-25	SC41006	SC41009	
SC41009	NICE-CNE-0313 Inclement Weather (November 2021) - 0.5days (Implemented)	1	15-May-22 A	15-May-22 A	14-May-25	14-May-25	SC41007	SC41010	
SC41010	NICE-CNE-0343 Inclement Weather (December 2021) - 4days (Implemented)	4	15-May-22 A	19-May-22 A	14-May-25	14-May-25	SC41009	SC41012	
SC41012	NICE-CNE-0345 Inclement Weather (February 2022) - 4.5days (Implemented)	5	19-May-22 A	23-May-22 A	14-May-25	14-May-25	SC41010	SC41013	
SC41013	NICE-CNE-0386 Inclement Weather (March 2022) - 4.5days (Implemented)	5	24-May-22 A	28-May-22 A	14-May-25	14-May-25	SC41012	SC41014	
SC41014	NICE-CNE-0387 Inclement Weather (April 2022) - 1.5days (Implemented)	2	28-May-22 A	29-May-22 A	14-May-25	14-May-25	SC41013	SC41015	
SC41015	NICE-CNE-0391 Inclement Weather (May 2022) - 10.5days (Implemented)	11	30-May-22 A	09-Jun-22 A	14-May-25	14-May-25	SC41014	SC41016	
SC41016	NICE-CNE-0397 Inclement Weather (June 2022) - 4.5days (Implemented)	5	09-Jun-22 A	13-Jun-22 A	14-May-25	14-May-25	SC41015	SC41100	
SC41100	Revised Completion for Section 4	0		14-Sep-22 A			SC41016		
Expected Completion (Include Non-implemented CE)		1170	23-Oct-19 A	14-Sep-22 A	14-May-25	14-May-25			
SC41000-1	Contract Duration of Section 4	886	23-Oct-19 A	26-Mar-22 A	14-May-25	14-May-25	CD1010	SC41001-1	



Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Successors	Total Float
SC41001-1	Completion date - Section 4 (885 days after starting date)	0		26-Mar-22 A			SC41000-1	SC41110, SC41002-1	
SC41002-1	NICE-CNE-0256 Inclement Weather (June 2021) - 6.5days (Implemented)	7	27-Mar-22 A	02-Apr-22 A	14-May-25	14-May-25	SC41001-1	SC41004-1, SC41003-1	
SC41003-1	CNE-007 Black and Red Rainstorm Warning (June 2021) - 1day	1	02-Apr-22 A	03-Apr-22 A	14-May-25	14-May-25	SC41002-1	SC41004-1	
SC41004-1	NICE-CNE-0264 Inclement Weather (July 2021) - 19days (Implemented)	19	03-Apr-22 A	22-Apr-22 A	14-May-25	14-May-25	SC41002-1, SC41003-1	SC41005-1	
SC41005-1	NICE-CNE-0292 Inclement Weather (August 2021) - 16days (Implemented)	16	22-Apr-22 A	08-May-22 A	14-May-25	14-May-25	SC41004-1	SC41006-1	
SC41006-1	NICE-CNE-0293 Inclement Weather (September 2021) - 4.5days (Implemented)	5	08-May-22 A	12-May-22 A	14-May-25	14-May-25	SC41005-1	SC41007-1	
SC41007-1	NICE-CNE-0309 Inclement Weather (October 2021) - 3days (Implemented)	3	13-May-22 A	15-May-22 A	14-May-25	14-May-25	SC41006-1	SC41008-1	
SC41008-1	CNE-020 Inclement Weather (October 2021) (Time and Cost Implication) - 4days	4	16-May-22 A	19-May-22 A	14-May-25	14-May-25	SC41007-1	SC41009-1	
SC41009-1	NICE-CNE-0313 Inclement Weather (November 2021) - 0.5days (Implemented)	1	20-May-22 A	20-May-22 A	14-May-25	14-May-25	SC41008-1	SC41010-1	
SC41010-1	NICE-CNE-0343 Inclement Weather (December 2021) - 4days (Implemented)	4	20-May-22 A	24-May-22 A	14-May-25	14-May-25	SC41009-1	SC41012-1	
SC41012-1	NICE-CNE-0345 Inclement Weather (February 2022) - 4.5days (Implemented)	5	24-May-22 A	28-May-22 A	14-May-25	14-May-25	SC41010-1	SC41013-1	
SC41013-1	NICE-CNE-0386 Inclement Weather (March 2022) - 4.5days (Implemented)	5	29-May-22 A	02-Jun-22 A	14-May-25	14-May-25	SC41012-1	SC41014-1	
SC41014-1	NICE-CNE-0387 Inclement Weather (April 2022) - 1.5days (Implemented)	2	02-Jun-22 A	03-Jun-22 A	14-May-25	14-May-25	SC41013-1	SC41015-1	
SC41015-1	NICE-CNE-0391 Inclement Weather (May 2022) - 10.5days (Implemented)	11	04-Jun-22 A	14-Jun-22 A	14-May-25	14-May-25	SC41014-1	SC41016-1	
SC41016-1	NICE-CNE-0397 Inclement Weather (June 2022) - 4.5days (Implemented)	5	14-Jun-22 A	18-Jun-22 A	14-May-25	14-May-25	SC41015-1	SC41017-1	
SC41017-1	CNE-053 Inclement Weather (June 2022) (Time and Cost Implication) - 2day	2	19-Jun-22 A	20-Jun-22 A	14-May-25	14-May-25	SC41016-1	SC41018-1	
SC41018-1	CNE-054 Inclement Weather (July 2022) - 4days	4	21-Jun-22 A	24-Jun-22 A	14-May-25	14-May-25	SC41017-1	SC41019-1	
SC41019-1	CNE-055 Inclement Weather (July 2022) (Time and Cost Implication) - 1day	1	25-Jun-22 A	25-Jun-22 A	14-May-25	14-May-25	SC41018-1	SC41020-1	
SC41020-1	CNE-056 Inclement Weather (August 2022) - 13.5days	14	26-Jun-22 A	09-Jul-22 A	14-May-25	14-May-25	SC41019-1	SC41021-1	
SC41021-1	CNE-057 Inclement Weather (August 2022) (Time and Cost Implication) - 1day	1	09-Jul-22 A	10-Jul-22 A	14-May-25	14-May-25	SC41020-1	SC41022-1	
SC41022-1	CNE-058 Inclement Weather (September 2022) - 8days	8	10-Jul-22 A	18-Jul-22 A	14-May-25	14-May-25	SC41021-1	SC41023-1	
SC41023-1	CNE-059 Inclement Weather (October 2022) - 4days	4	18-Jul-22 A	22-Jul-22 A	14-May-25	14-May-25	SC41022-1	SC41024-1	
SC41024-1	CNE-061 Inclement Weather (November 2022) - 13days	13	22-Jul-22 A	04-Aug-22 A	14-May-25	14-May-25	SC41023-1	SC41025-1	
SC41025-1	CNE-062 Inclement Weather (November 2022) (Time and Cost Implication) - 2days	2	04-Aug-22 A	06-Aug-22 A	14-May-25	14-May-25	SC41024-1	SC41100-1	
SC41100-1	Expected Completion for Section 4	0		14-Sep-22 A			SC41025-1		
Time Risk Allowance and Planned Completion		7	14-Sep-22 A	14-Sep-22 A	14-May-25	14-May-25			
SC41110	Time Risk Allowance for Section 4	7	14-Sep-22 A	14-Sep-22 A	14-May-25	14-May-25	SC41001-1, S4C1100,	SC41120	
SC41120	Planned Completion for Section 4	0		14-Sep-22 A			SC41110	CD1040	
Section 5 - Complete all remaining Works (incl. T&C)		2031	23-Oct-19 A	14-May-25	21-Jun-23	14-May-25			0
Contractual Completion (Include Implemented CE)		1746	23-Oct-19 A	02-Aug-24	21-Jun-23	02-Aug-24			0
SC51000	Contract Duration of Section 5	1626	23-Oct-19 A	04-Apr-24	21-Jun-23	04-Apr-24		SC51001	0
SC51001	Completion date - Section 5 (1625 days after starting date)	0		04-Apr-24*		04-Apr-24	SC51000	SC51002	0
SC51002	NICE-CNE-0264 Inclement Weather (July 2021) - 14days (Implemented)	14	05-Apr-24	18-Apr-24	05-Apr-24	18-Apr-24	SC51001	SC51003	0
SC51003	NICE-CNE-0292 Inclement Weather (August 2021) - 19days (Implemented)	19	19-Apr-24	07-May-24	19-Apr-24	07-May-24	SC51002	SC51004	0



Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Jun 2023

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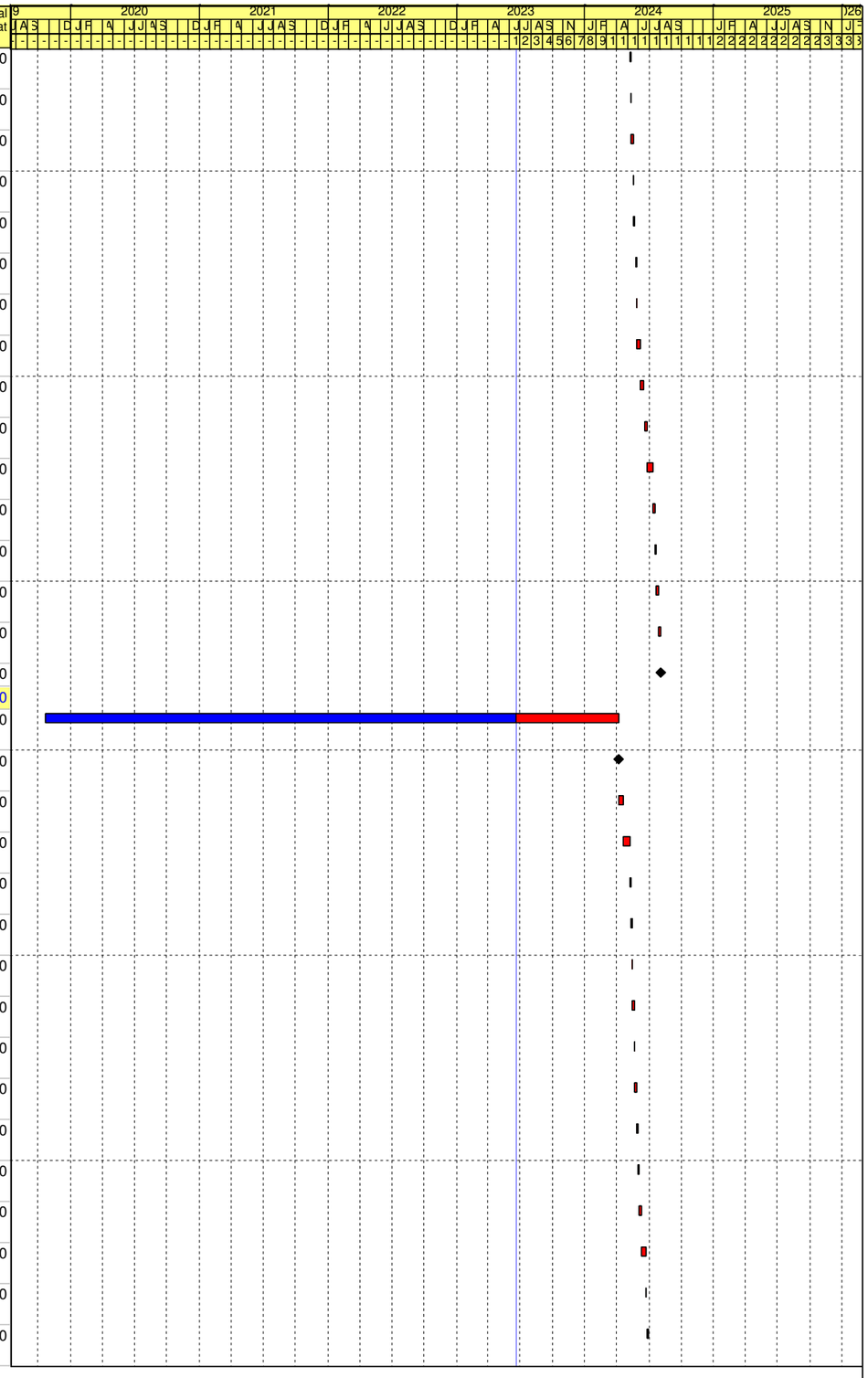
30-Jun-23	Rev.35	IM/LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Successors	Total Float
SC51004	NICE-CNE-0293 Inclement Weather (September 2021) - 3.5days (Implemented)	4	08-May-24	11-May-24	08-May-24	11-May-24	SC51003	SC51007	0
SC51007	NICE-CNE-0313 Inclement Weather (November 2021) - 0.5days (Implemented)	1	11-May-24	11-May-24	11-May-24	11-May-24	SC51004	SC51008	0
SC51008	NICE-CNE-0343 Inclement Weather (December 2021) - 5days (Implemented)	5	12-May-24	16-May-24	12-May-24	16-May-24	SC51007	SC51009	0
SC51009	NICE-CNE-0344 Inclement Weather (January 2022) - 0.5days (Implemented)	1	17-May-24	17-May-24	17-May-24	17-May-24	SC51008	SC51010	0
SC51010	NICE-CNE-0345 Inclement Weather (February 2022) - 5.5days (Implemented)	6	17-May-24	22-May-24	17-May-24	22-May-24	SC51009	SC51011	0
SC51011	NICE-CNE-0386 Inclement Weather (March 2022) - 4.5days (Implemented)	5	23-May-24	27-May-24	23-May-24	27-May-24	SC51010	SC51012	0
SC51012	NICE-CNE-0387 Inclement Weather (April 2022) - 1.5days (Implemented)	2	27-May-24	28-May-24	27-May-24	28-May-24	SC51011	SC51013	0
SC51013	NICE-CNE-0391 Inclement Weather (May 2022) - 8.5days (Implemented)	9	29-May-24	06-Jun-24	29-May-24	06-Jun-24	SC51012	SC51014	0
SC51014	NICE-CNE-0397 Inclement Weather (June 2022) - 11.5ays (Implemented)	12	06-Jun-24	17-Jun-24	06-Jun-24	17-Jun-24	SC51013	SC51015	0
SC51015	NICE-CNE-0405 Inclement Weather (July 2022) - 6.5days (Implemented)	7	18-Jun-24	24-Jun-24	18-Jun-24	24-Jun-24	SC51014	SC51016	0
SC51016	NICE-CNE-0409 Inclement Weather (August 2022) - 17.5days (Implemented)	18	24-Jun-24	11-Jul-24	24-Jun-24	11-Jul-24	SC51015	SC51017	0
SC51017	NICE-CNE-0427 Inclement Weather (September 2022) - 7days (Implemented)	7	12-Jul-24	18-Jul-24	12-Jul-24	18-Jul-24	SC51016	SC51018	0
SC51018	NICE-CNE-0428 Inclement Weather (October 2022) - 2days (Implemented)	2	19-Jul-24	20-Jul-24	19-Jul-24	20-Jul-24	SC51017	SC51019	0
SC51019	NICE-CNE-0433 Inclement Weather (November 2022) - 8.5days (Implemented)	9	21-Jul-24	29-Jul-24	21-Jul-24	29-Jul-24	SC51018	SC51020	0
SC51020	NICE-CNE-0441 Inclement Weather (December 2022) - 4days (Implemented)	4	29-Jul-24	02-Aug-24	29-Jul-24	02-Aug-24	SC51019	SC51100	0
SC51100	Revised Completion for Section 5	0		02-Aug-24*		02-Aug-24	SC51020		0
Expected Completion (Include Non-implemented CE)		2031	23-Oct-19 A	14-May-25	21-Jun-23	14-May-25			0
SC51000-1	Contract Duration of Section 5	1626	23-Oct-19 A	04-Apr-24	21-Jun-23	04-Apr-24	CD1010	SC51001-1	0
SC51001-1	Completion date - Section 5 (1625 days after starting date)	0		04-Apr-24*		04-Apr-24	SC51000-1	SC51110, SC51002-1	0
SC51002-1	NICE-CNE-0264 Inclement Weather (July 2021) - 14days (Implemented)	14	05-Apr-24	18-Apr-24	05-Apr-24	18-Apr-24	SC51001-1	SC51003-1	0
SC51003-1	NICE-CNE-0292 Inclement Weather (August 2021) - 19days (Implemented)	19	19-Apr-24	07-May-24	19-Apr-24	07-May-24	SC51002-1	SC51004-1	0
SC51004-1	NICE-CNE-0293 Inclement Weather (September 2021) - 3.5days (Implemented)	4	08-May-24	11-May-24	08-May-24	11-May-24	SC51003-1	SC51006-1	0
SC51006-1	CNE-020 Inclement Weather (October 2021) (Time and Cost Implication) - 4days	4	11-May-24	15-May-24	11-May-24	15-May-24	SC51004-1	SC51007-1	0
SC51007-1	ICE-CNE-0313 Inclement Weather (November 2021) - 0.5days (Implemented)	1	15-May-24	15-May-24	15-May-24	15-May-24	SC51006-1	SC51008-1	0
SC51008-1	NICE-CNE-0343 Inclement Weather (December 2021) - 5days (Implemented)	5	16-May-24	20-May-24	16-May-24	20-May-24	SC51007-1	SC51009-1	0
SC51009-1	NICE-CNE-0344 Inclement Weather (January 2022) - 0.5days (Implemented)	1	21-May-24	21-May-24	21-May-24	21-May-24	SC51008-1	SC51010-1	0
SC51010-1	NICE-CNE-0345 Inclement Weather (February 2022) - 5.5days (Implemented)	6	21-May-24	26-May-24	21-May-24	26-May-24	SC51009-1	SC51011-1	0
SC51011-1	NICE-CNE-0386 Inclement Weather (March 2022) - 4.5days (Implemented)	5	27-May-24	31-May-24	27-May-24	31-May-24	SC51010-1	SC51012-1	0
SC51012-1	NICE-CNE-0387 Inclement Weather (April 2022) - 1.5days (Implemented)	2	31-May-24	01-Jun-24	31-May-24	01-Jun-24	SC51011-1	SC51013-1	0
SC51013-1	NICE-CNE-0391 Inclement Weather (May 2022) - 8.5days (Implemented)	9	02-Jun-24	10-Jun-24	02-Jun-24	10-Jun-24	SC51012-1	SC51014-1	0
SC51014-1	NICE-CNE-0397 Inclement Weather (June 2022) - 11.5ays (Implemented)	12	10-Jun-24	21-Jun-24	10-Jun-24	21-Jun-24	SC51013-1	SC51015-1	0
SC51015-1	CNE-053 Inclement Weather (June 2022) (Time and Cost Implication) - 2days	2	22-Jun-24	23-Jun-24	22-Jun-24	23-Jun-24	SC51014-1	SC51016-1	0
SC51016-1	NICE-CNE-0405 Inclement Weather (July 2022) - 6.5days (Implemented)	7	24-Jun-24	30-Jun-24	24-Jun-24	30-Jun-24	SC51015-1	SC51017-1	0



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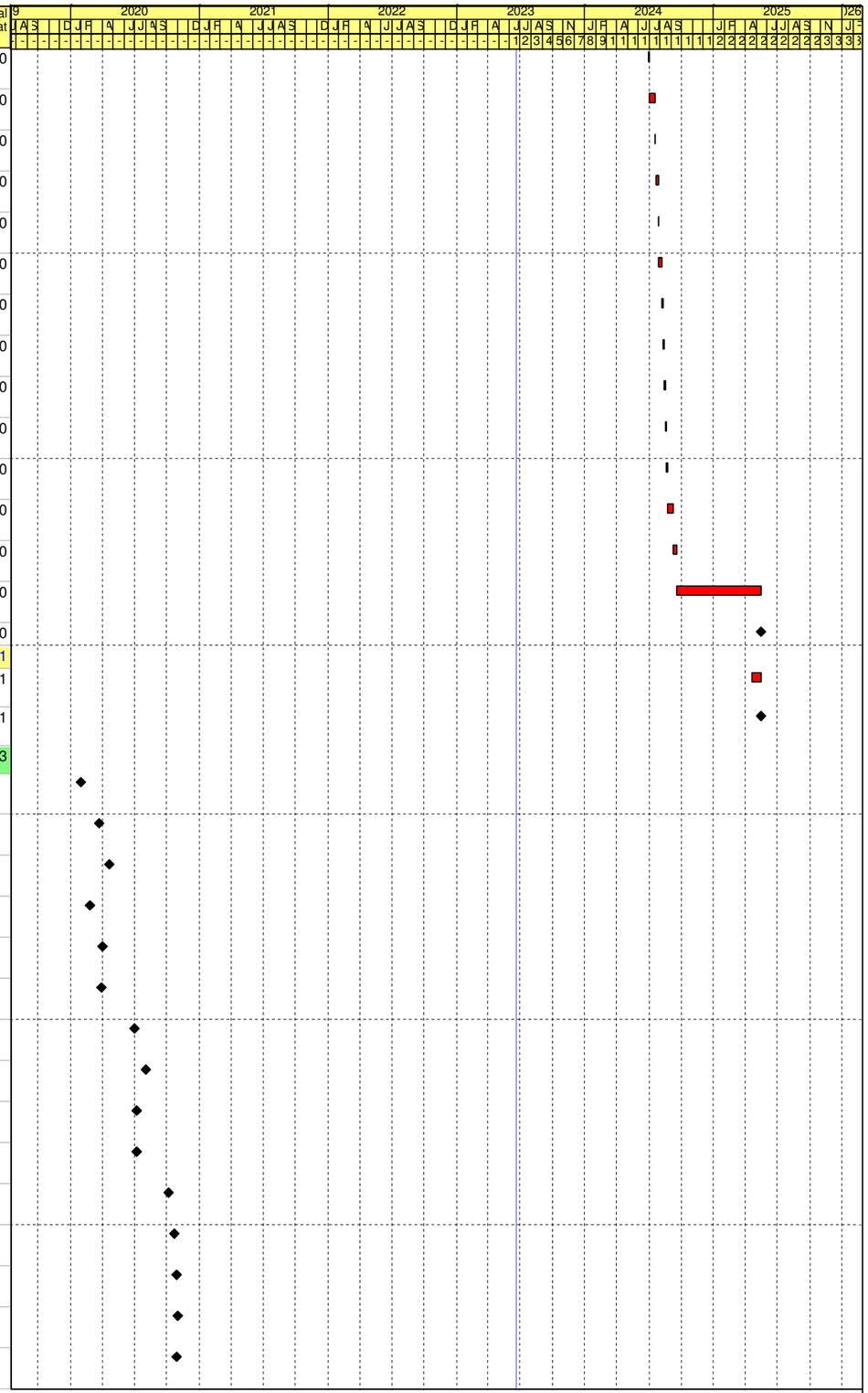
Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Successors	Total Float
SC51017-1	CNE-055 Inclement Weather (July 2022) (Time and Cost Implication) - 1day	1	30-Jun-24	01-Jul-24	30-Jun-24	01-Jul-24	SC51016-1	SC51018-1	0
SC51018-1	NICE-CNE-0409 Inclement Weather (August 2022) - 17.5days (Implemented)	18	01-Jul-24	18-Jul-24	01-Jul-24	18-Jul-24	SC51017-1	SC51019-1	0
SC51019-1	CNE-057 Inclement Weather (August 2022) (Time and Cost Implication) - 1day	1	19-Jul-24	19-Jul-24	19-Jul-24	19-Jul-24	SC51018-1	SC51020-1	0
SC51020-1	NICE-CNE-0427 Inclement Weather (September 2022) - 7days (Implemented)	7	20-Jul-24	26-Jul-24	20-Jul-24	26-Jul-24	SC51019-1	SC51021-1	0
SC51021-1	NICE-CNE-0428 Inclement Weather (October 2022) - 2days (Implemented)	2	27-Jul-24	28-Jul-24	27-Jul-24	28-Jul-24	SC51020-1	SC51022-1	0
SC51022-1	NICE-CNE-0433 Inclement Weather (November 2022) - 8.5days (Implemented)	9	29-Jul-24	06-Aug-24	29-Jul-24	06-Aug-24	SC51021-1	SC51023-1	0
SC51023-1	CNE-062 Inclement Weather (November 2022) (Time and Cost Implication) - 2days	2	06-Aug-24	08-Aug-24	06-Aug-24	08-Aug-24	SC51022-1	SC51024-1	0
SC51024-1	NICE-CNE-0441 Inclement Weather (December 2022) - 4days (Implemented)	4	08-Aug-24	12-Aug-24	08-Aug-24	12-Aug-24	SC51023-1	SC51025-1	0
SC51025-1	CNE-068 Inclement Weather (January 2023) (Time Implication) - 5days	5	12-Aug-24	17-Aug-24	12-Aug-24	17-Aug-24	SC51024-1	SC51026-1	0
SC51026-1	CNE-070 Inclement Weather (February 2023) (Time Implication) - 2days	2	17-Aug-24	19-Aug-24	17-Aug-24	19-Aug-24	SC51025-1	SC51027-1	0
SC51027-1	CNE-071 Inclement Weather (March 2023) (Time Implication) - 5days	5	19-Aug-24	24-Aug-24	19-Aug-24	24-Aug-24	SC51026-1	SC51028-1	0
SC51028-1	CNE-072 Inclement Weather (April 2023) (Time Implication) - 14days	14	24-Aug-24	07-Sep-24	24-Aug-24	07-Sep-24	SC51027-1	SC51099-1, SC51029-1	0
SC51029-1	CNE-073 Inclement Weather (May 2023) (Time Implication) - 10days	10	07-Sep-24	17-Sep-24	07-Sep-24	17-Sep-24	SC51028-1	SC51099-1	0
SC51099-1	EWN-0314 Extention of Time for change of access date	240	17-Sep-24	14-May-25	17-Sep-24	14-May-25	SC51028-1, SC51029-1	SC51100-1	0
SC51100-1	Expected Completion for Section 5	0		14-May-25*		14-May-25	SC51099-1		0
Time Risk Allowance and Planned Completion		26	19-Apr-25	14-May-25	23-May-24	17-Jun-24			-331
SC51110	Time Risk Allowance for Section 5	26	19-Apr-25	14-May-25	23-May-24	17-Jun-24	SC51001-1, S5S1250,	SC51120	-331
SC51120	Planned Completion for Section 5	0		14-May-25*		17-Jun-24	SC51110, PL1520,	CD1040	-331
Compensation Event		1621	23-Oct-19 A	21-Jun-23	30-Jan-22	14-May-25			693
CE0001	CE No.001 - Special Work Arrangement in Reducing the Risk of the Spread of Novel Coronavirus	0		30-Jan-20 A					
CE0002	CE No.002 - The Contractor's Site Accomodation by Modular Integrated Construction (MIC) Method	0		23-Mar-20 A					
CE0003	CE No.003 - Flowmeter Relocation & Pipework Rearrangement at Effluent Transfer Pumping Station	0		20-Apr-20 A					
CE0004	CE No.004 - Designated Area for the Contractor's Site Accommodation in Works Area WA1	0		26-Feb-20 A					
CE0005	CE No.005 - Revised Size of Penstock at UV System No.1 & Effluent Pumping Station No.1 for Ex. Outfall	0		30-Mar-20 A					
CE0006	CE No.006 - Additional Duty Point for Effluent Transfer Pumps	0		27-Mar-20 A					
CE0007	CE No.007 - Additional Adjustable Weir at UV System No.1 & Effluent Pumping Station No.1	0		30-Jun-20 A					
CE0008	CE No.008 - Provision of Additional 2nd Temp. Power Supply for UV System No.1 & Effluent Pumping Station No.1	0		03-Aug-20 A					
CE0009	CE No.009 - Employment of Temporary Staff under Anti-Epidemic Fund	0		07-Jul-20 A					
CE0010	CE No.010 - Revised Setting Out Plan for Sidestream Treatment Facilities	0		07-Jul-20 A					
CE0012	CE No.012 - Provision of Touchscreen Display System for the Project Manager's Office	0		06-Oct-20 A					
CE0013	CE No.013 - Feasibility Study for Adopting emMiC & DfMA	0		22-Oct-20 A					
CE0014	CE No.014 - Revised FS Water Supply Arrangement for CHP, Guard House, Workshop No.2, SludgeDigester&DistributionChamber	0		28-Oct-20 A					
CE0015	CE No.015 - Revised Plumbing Arranagement for Workshop No.2, UV & Effluent No.1, CHP, SPS&FCDF, DOU No.11&12, H2S, SDDC	0		30-Oct-20 A					
CE0016	CE No.016 - Elect. Provisions for Addit. 800A ACB w/ CMPD as Standby Supply for MBBR for UV No.2 for Future Expansion	0		28-Oct-20 A					



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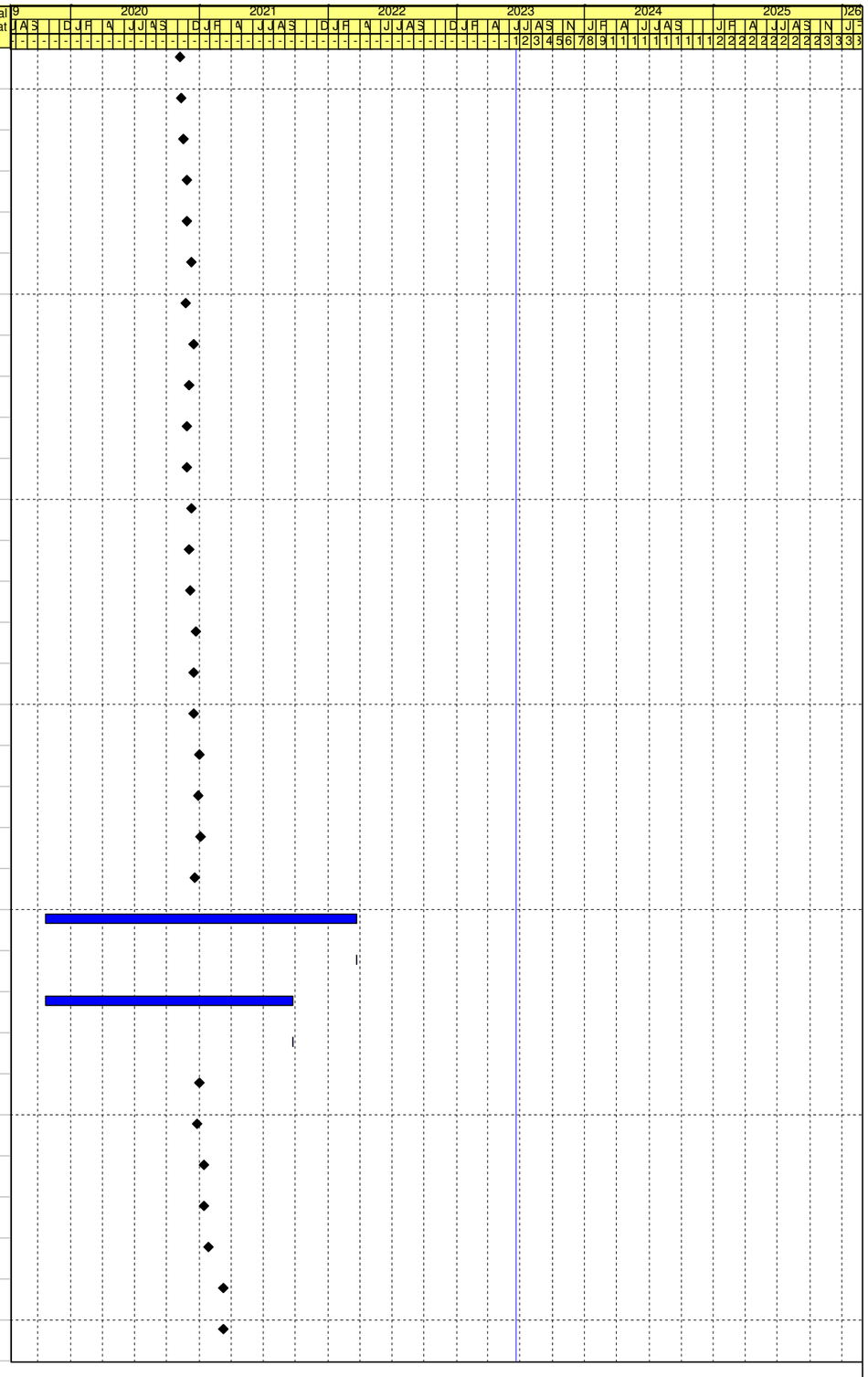
Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Successors	Total Float
CE0018	CE No.018 - MVAC Layout for Plant Service Water System	0		05-Nov-20 A					
CE0020	CE No.020 - Addit. set of 11kV power feeder panel at 11kV SB in CHP for future connection to Zone B in Stage 2	0		09-Nov-20 A					
CE0201	NCE-PMI-0201 - Provision of Access Platform for EOT cranes in UV System No.1 & Effluent Pumping Station No.1	0		16-Nov-20 A					
CE0202	NCE-PMI-0202 - Revised Plumbing Arrangement for Sludge Dewatering Building	0		26-Nov-20 A					
CE0203	NCE-PPMI-0203 - MVAC Layout for SAS Pumping Station	0		25-Nov-20 A					
CE0204	NCE-PMI-0204 - CHP - Provisional of Additional ATS for Power Supply for UPS	0		08-Dec-20 A					
CE0205	NCE-PPMI-0205 - Fibre Optics Network Connection for SCADA Systems between Zone B & Zone C	0		23-Nov-20 A					
CE0206	NCE-PMI-0206 - SDB - Provisional of Additional ATS for Power Supply for UPS	0		15-Dec-20 A					
CE0207	NCE-PMI-0207 - TX Rm & Switch Rm - Provision of ATS for Power Supply for UPS	0		01-Dec-20 A					
CE0208	NCE-PPMI-0208 - Provision of Drainage service Layout for SAS Pumping Station	0		26-Nov-20 A					
CE0209	NCE-PPMI-0209 - Drainage System for Plant Service Water System	0		26-Nov-20 A					
CE0210	NCE-PPMI-0210 - Electrical provisions for MVAC & Drainage Systems in SAS Pumping Station	0		08-Dec-20 A					
CE0211	NCE-PPMI-0211 - Revised MVAC Layout & Electrical Provisions for MVAC in TX and Switch Rm	0		02-Dec-20 A					
CE0212	NCE-PMI-0212 - Provision of Louvre Panel for Outdoor AC Units at Contractor's Site Accomodation	0		07-Dec-20 A					
CE0213	NCE-PPMI-0213 - Electrical provisions for MVAC & Drainage System in UV System No.1 & Effluent Pumping Station No.1	0		21-Dec-20 A					
CE0214	NCE-PPMI-0214 - Additional Sump Pump & Drain Pipes at UV System No.1 & Effluent Pumping Station	0		14-Dec-20 A					
CE0215	NCE-PPMI-0215 - Revised MVAC Layout for UV System No.1 & Effluent Pumping Station No.1	0		14-Dec-20 A					
CE0216	NCE-PPMI-0216 - Electrical Provisions for MVAC & drainage Sytems in Plant Service Water System	0		31-Dec-20 A					
CE0217	NCE-PMI-0217 - Revised Duty Points for Effluent Transfer Pumps	0		29-Dec-20 A					
CE0218	NCE-PMI-0218 - Scoping Study for Application of Digital Twin & IoT in Zone B & Zone C of SWHEPP	0		04-Jan-21 A					
CE0219	NCE-NCE-0219 - Change of Site Access Date to SAS Pumping Station Forming Part of Portion B-2 of the Site	0		19-Dec-20 A					
CE0219a	NCE-NCE-0219 - Portion B-2a (within 771 to 891 days from starting date)	891	23-Oct-19 A	23-Mar-22 A	20-Mar-23	20-Mar-23	CD1010	CE0219b	
CE0219b	NCE-NCE-0219 - Revised Access Date for Portion B-2a	1	23-Mar-22 A	23-Mar-22 A	20-Mar-23	20-Mar-23	CE0219a	S5SASC1010	
CE0219c	NCE-NCE-0219 - Portion B-2b (within 615 to 705 days from starting date)	705	23-Oct-19 A	24-Sep-21 A	20-Dec-22	20-Dec-22		CE0219d	
CE0219d	NCE-NCE-0219 - Revised Access Date for Portion B-2b	1	24-Sep-21 A	24-Sep-21 A	20-Dec-22	20-Dec-22	CE0219c	S5ECHC1000	
CE0220	NCE-PMI-0220 - Supply of Puddle Pipes for Effluent to Shek Sheung River	0		30-Dec-20 A					
CE0221	NCE-PPMI-0221 - General Arrangement for Fire Hydrant & Booster Pump Room	0		24-Dec-20 A					
CE0222	NCE-PMI-0222 - Revised Water Supply Arrangement (FS Water) to Sludge Dewatering Building	0		12-Jan-21 A					
CE0223	NCE-PMI-0223 - Construction of Trial Pits for Sidestream Treatment Facilities	0		15-Jan-21 A					
CE0224	NCE-PMI-0224 - Independent Inspection Body (IIB) for the Factory Acceptance Test (FAT) for UV Disinfeciton System	0		25-Jan-21 A					
CE0225	NCE-PMI-0225 - Supply of Ductile Iron Puddle Pipes at the Basement of Sludge Dewatering Building	0		09-Mar-21 A					
CE0226	NCE-PMI-0226 - Provision of Solar Water Heating System at the Contractor's Site Accomodation	0		09-Mar-21 A					



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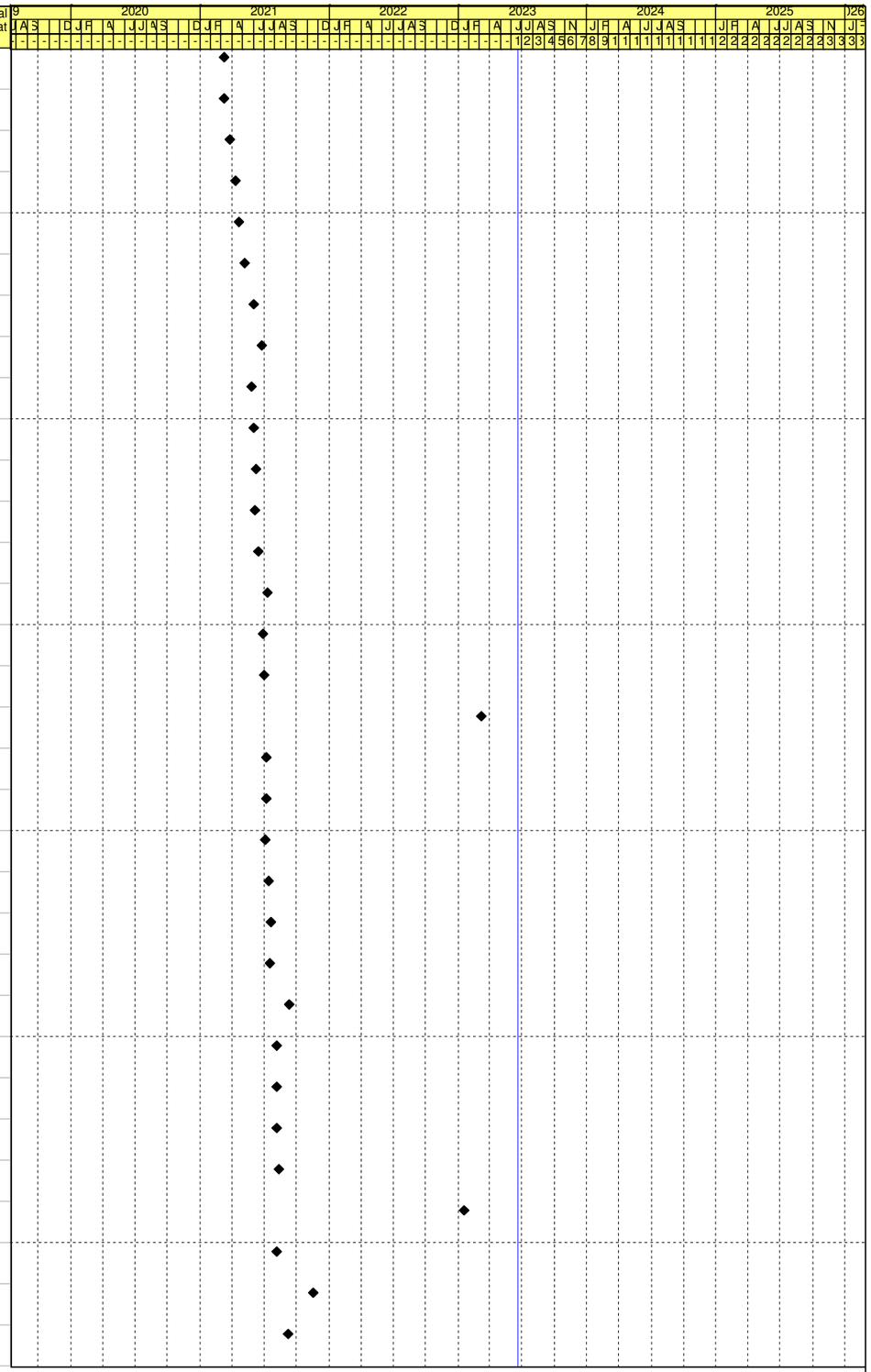
Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Successors	Total Float
CE0227	NCE-PMI-0227 - Dual Power Fedder for LV Switch Panel at Sewage Pumping Station	0		11-Mar-21 A					
CE0228	NCE-PMI-0228 - Provision of Effluent Pipes and Associated Valve and Supply of Supports for Effluent to Shek Sheung River	0		11-Mar-21 A					
CE0230	NCE-PMI-0230 - Provision of Project Jackets with Fleece Vests	0		26-Mar-21 A					
CE0231	NCE-PMI-0231 - Extension of Sampling Pipe From Low Level on Sludge Digesters	0		12-Apr-21 A					
CE0232	NCE-PMI-0232 - Dual Power Fedder for LV Switch Panel at 1/F LV Switch Room of Combined Heat and Power (CHP) Building	0		22-Apr-21 A					
CE0233	NCE-PMI-0233 - Sampling, Simulating and Testing of Existing Sludge for Obtaining the Viscosity of the Mixed Sludge	0		06-May-21 A					
CE0234	NCE-PMI-0234 - Provision of FRP Walkway, Access Platform & Handrailing for Sludge Digester No. 2	0		02-Jun-21 A					
CE0237	NCE-CNE-0237 - Provision of Inspectin Windows for Sludge Digester	0		25-Jun-21 A					
CE0238	NCE-PMI-0238 - Supply of Stainless Steel Puddle Pipes for Surplus Activated Sludge (SAS) Pumping Station	0		27-May-21 A					
CE0239	NCE-PMI-0239 - Revised the Arrangement for Process Water Supply and Plant Services Water System	0		01-Jun-21 A					
CE0240	NCE-PMI-0240 - Revised Coping and Invert Levels for Penstock and Stoplog of SAS Pumping Station	0		09-Jun-21 A					
CE0241	NCE-PMI-0241 - Revised Diesel Fuel Tank at Combined Heat and Power (CHP) Building	0		04-Jun-21 A					
CE0242	NCE-PMI-0242 - Revised Fire Services Provision of UV System No. 1 and Effluent Pumping Station No. 1	0		15-Jun-21 A					
CE0243	NCE-PMI-0243 - Provision of Flow Signal Inputs for UV Disinfection System	0		12-Jul-21 A					
CE0244	RCNE-CNE-0244 - Access to and use of portion C-1A	0		29-Jun-21 A					
CE0245	NCE-PMI-0245 - Provision of Augmented Reality (AR) Mobile Application	0		30-Jun-21 A					
CE0245-1	NCE-PMI-0245-1 - Provision of Augmented Reality (AR) Mobile Application	0		08-Mar-23 A					
CE0246	NCE-PMI-0246 - Revised HV Remote Control Panels at CHP & Workshop No. 2	0		06-Jul-21 A					
CE0247	NCE-PMI-0247 - Temporary 4G System for SCADA System Monitoring	0		07-Jul-21 A					
CE0248	NCE-PMI-0248 - Inclement Weather - May 2021 (Time Implication)	0		05-Jul-21 A					
CE0250	NCE-PMI-0250 - Provision of Front Access LV Switch Panel in the LV Switch Room on G/F Workshop No. 2	0		14-Jul-21 A					
CE0252	NCE-PMI-0252 - Provision of Neutral Earthing Resistor (NER) at Workshop No. 2	0		19-Jul-21 A					
CE0253	NCE-PMI-0253 - Provision of Building Services Systems in New LV Switch Room on the G/F Workshop No. 2	0		16-Jul-21 A					
CE0254	NCE-CNE-0254 - Removal of Obstructions at Trail Pit No. 3 at Sidestreamt Facilities	0		10-Sep-21 A					
CE0256	RCNE-CNE-0256 - Amber Rainstrom Warning and Inclement Weather - June 2021 (Time Implication)	0		05-Aug-21 A					
CE0257	RCNE-CNE-0257 - Black and Red Rainstrom Warning - June 2021 (Time & Cost Implication)	0		05-Aug-21 A					
CE0258	NCE-PMI-0258 - Provision of FRP Cover for Overflow Chambers of Sludge Digesters	0		04-Aug-21 A					
CE0259	NCE-PMI-0259 - Provision of Virtual Reality (VR) Safety Training Platform	0		13-Aug-21 A					
CE0259-1	NCE-PMI-0259-1 - Provision of Virtual Reality (VR) Safety Training Platform (Another 1 year subscription)	0		17-Jan-23 A					
CE0260	NCE-PMI-0260 - Provision of Chequer Plates at UV System No. 1 & Effluent Pumping Station No. 1	0		04-Aug-21 A					
CE0262	NCE-PMI-0262 - Emergency Access Door for Lift at Sludge Dewatering Building	0		18-Nov-21 A					
CE0263	NCE-PMI-0263 - Upgrade of the Supporting Frame of 1st and 2nd Stage Heat Exchangers for Future Expansion of THP System	0		07-Sep-21 A					



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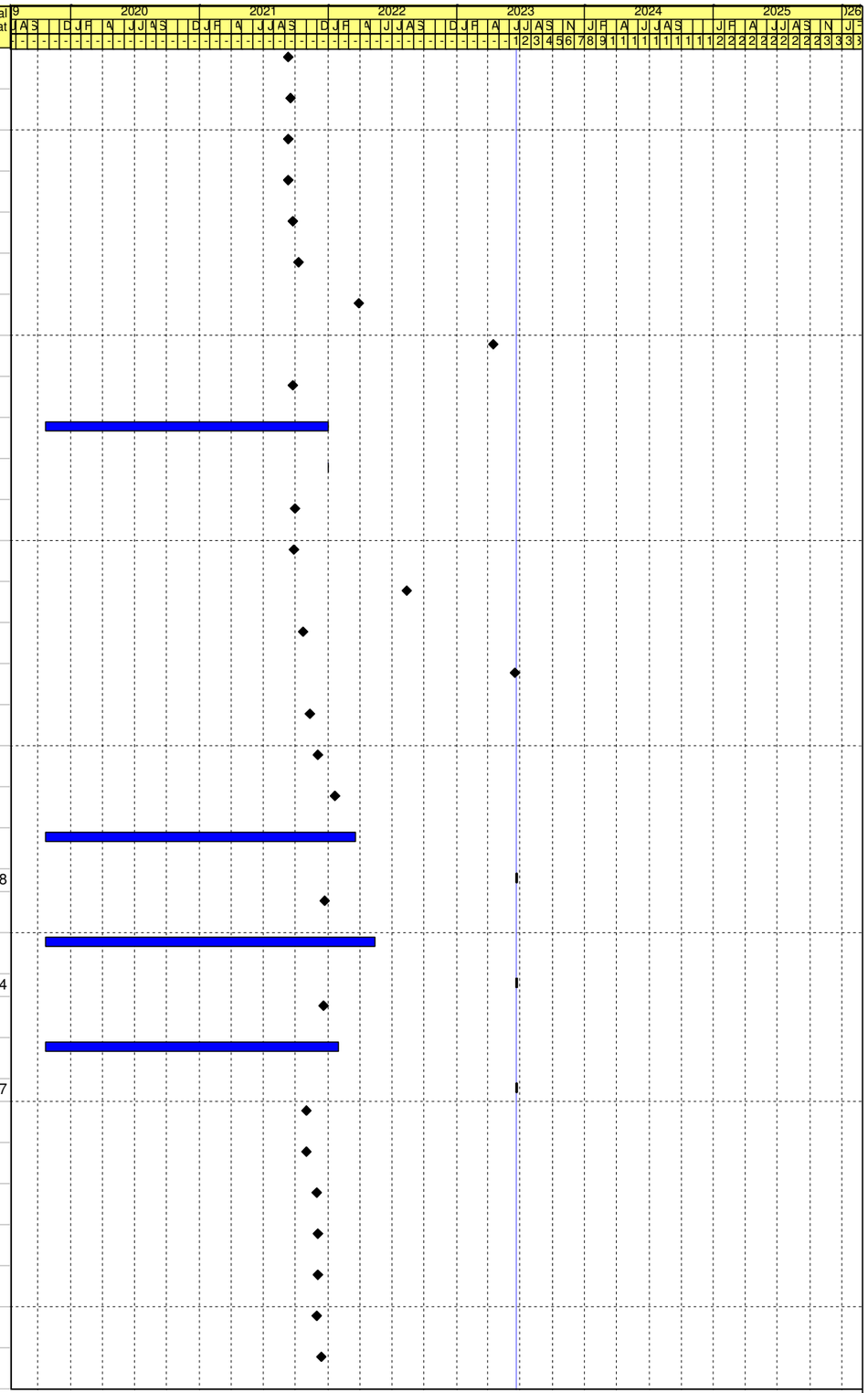
31-May-23	Rev.34	IM/LT	KM
30-Jun-23	Rev.35	IM/LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Successors	Total Float
CE0264	RCNE-CNE-0264 - Inclement Weather - July 2021 (Time Implication)	0		10-Sep-21 A					
CE0265	NCE-PMI-0265 - Water Supply to Emergency Drench Shower and Eye Fountain at Deodorization System No. 11	0		16-Sep-21 A					
CE0269	NCE-PMI-0269 - Additional Cleansing Points at Sludge Skip Area of Sludge Dewatering Building	0		10-Sep-21 A					
CE0270	NCE-CNE-0270 - Extra sampling, simulating & testing of exiting sludge for obtaining the viscosity of the existing sludge	0		10-Sep-21 A					
CE0271	NCE-PMI-0271 - Provision of Access Platform for the EOT Crane (LA-01-02) in Sludge Dewatering Building	0		23-Sep-21 A					
CE0272	NCE-PMI-0272 - Employment of Temporary Staff under Job Creation Scheme 2.0 (JCS 2.0) under Anti-Epidemiv Fund (AEF)	0		08-Oct-21 A					
CE0272-1	NCE-PMI-0272-1 - Employment of Temporary Staff under Job Creation Scheme 2.0 (JCS 2.0) under Anti-Epidemiv Fund (AEF)	0		28-Mar-22 A					
CE0272-2	NCE-PMI-0272-2 - Employment of Temporary Staff under Job Creation Scheme 2.0 (JCS 2.0) under Anti-Epidemiv Fund (AEF)	0		14-Apr-23 A					
CE0273	NCE-NCE-0273 - Change of Site Access Date to Workshop No. 2 Forming Part of Portion C-3 of the Site	0		24-Sep-21 A					
CE0273a	NCE-NCE-0273 - Portion C-3 (within 615 to 815 days from starting date)	815	23-Oct-19 A	31-Dec-21 A	14-May-25	14-May-25		CE0273b	
CE0273b	NCE-NCE-0273 - Revised Access Date for Portion C-3	1	31-Dec-21 A	31-Dec-21 A	14-May-25	14-May-25	CE0273a		
CE0275	NCE-PMI-0275 - Additional Lighting Fittings for UV System No.1 & Effluent Pumping Station No.1	0		29-Sep-21 A					
CE0277	NCE-PMI-0277 - Provision of Access Platform for the EOT Crane (LA-01-03) in Sludge Dewatering Building	0		27-Sep-21 A					
CE0279	NCE-PPMI-0279 - Implementation of Digital Twin Pilot Project in Advance Works Area of Shek Wu Hui Sewage Treatment Works	0		11-Aug-22 A					
CE0280	NCE-PMI-0280 - Employment of Temporary Staff under Job Creation Scheme 2.0 (JCS 2.0) under Anti-Epidemiv Fund (AEF)	0		21-Oct-21 A					
CE0280a	PMI-PMI-0280 - Employment of Temporary Staff under Job Creation Scheme 2.0 (JCS 2.0) under Anti-Epidemiv Fund (AEF)	0		16-Jun-23 A					
CE0283	NCE-PMI-0283 - Provision of Metal Base Plate,Stopper&Guide Rail for Loading&Unloading of Sludge Skip at Skip Rm of SDB	0		11-Nov-21 A					
CE0284	NCE-PMI-0284 - Revised Road Lighting System for Zone C	0		03-Dec-21 A					
CE0286	NCE-NCE-0286 - Change of Site Access Date to Combined Heat and Power Building Forming Part of Portion C-2B of the Site	0		21-Jan-22 A					
CE0286a	NCE-NCE-0286 - Portion C-2B (within 765 to 880 days from starting date)	880	23-Oct-19 A	20-Mar-22 A	20-Mar-22	20-Mar-22		CE0286b	
CE0286b	NCE-NCE-0286 - Revised Access Date for Portion C2-B	1	21-Jun-23	21-Jun-23*	20-Mar-22	20-Mar-22	CE0286a		-458
CE0287	NCE-NCE-0287 - Change of Site Access Date to Sludge Digester & Distribution Chamber Forming Part of Portion C- 2C	0		24-Dec-21 A					
CE0287a	NCE-NCE-0287 - Portion C-2C (within 715 to 934 days from starting date)	934	23-Oct-19 A	13-May-22 A	13-May-22	13-May-22		CE0287b	
CE0287b	NCE-NCE-0287 - Revised Access Date for Portion C2-C	1	21-Jun-23	21-Jun-23*	13-May-22	13-May-22	CE0287a		-404
CE0288	NCE-NCE-0288 - Change of Site Access Date to Sludge Dewatering Building Forming Part of the Portion C- 2A of the site	0		18-Dec-21 A					
CE0288a	NCE-NCE-0288 - Portion C-2A (within 705 to 831 days from starting date)	831	23-Oct-19 A	30-Jan-22 A	30-Jan-22	30-Jan-22		CE0288b	
CE0288b	NCE-NCE-0288 - Revised Access Date for Portion C-2A	1	21-Jun-23	21-Jun-23*	30-Jan-22	30-Jan-22	CE0288a		-507
CE0292	RCNE-CNE-0292 - Inclement Weather - August 2021 (Time Implication)	0		02-Nov-21 A					
CE0293	RCNE-CNE-0293 - Inclement Weather - September 2021 (Time Implication)	0		02-Nov-21 A					
CE0294	NCE-PMI-0294 - IIB for FAT for THP System	0		30-Nov-21 A					
CE0296	NCE-PMI-0296 - Provision of emMiC Adoption of FRP Walkway and Platform for Sludge Digesters	0		03-Dec-21 A					
CE0297	NCE-PMI-0297-Provision of Addit. Module BIM Collaboration Pro to existing CDE&Omission of Procurement Maintenance of CDE	0		03-Dec-21 A					
CE0298	NCE-PMI-0298 - Additional Light Fittings at Roof Floor of UV System No.1 & Effluent Pumping Station No.1	0		30-Nov-21 A					
CE0299	NCE-PMI-0299 - Revised Plumbing Layout for UV System No.1 & Effluent Pumping Station No.1	0		14-Dec-21 A					



Remaining Work
Critical Activity
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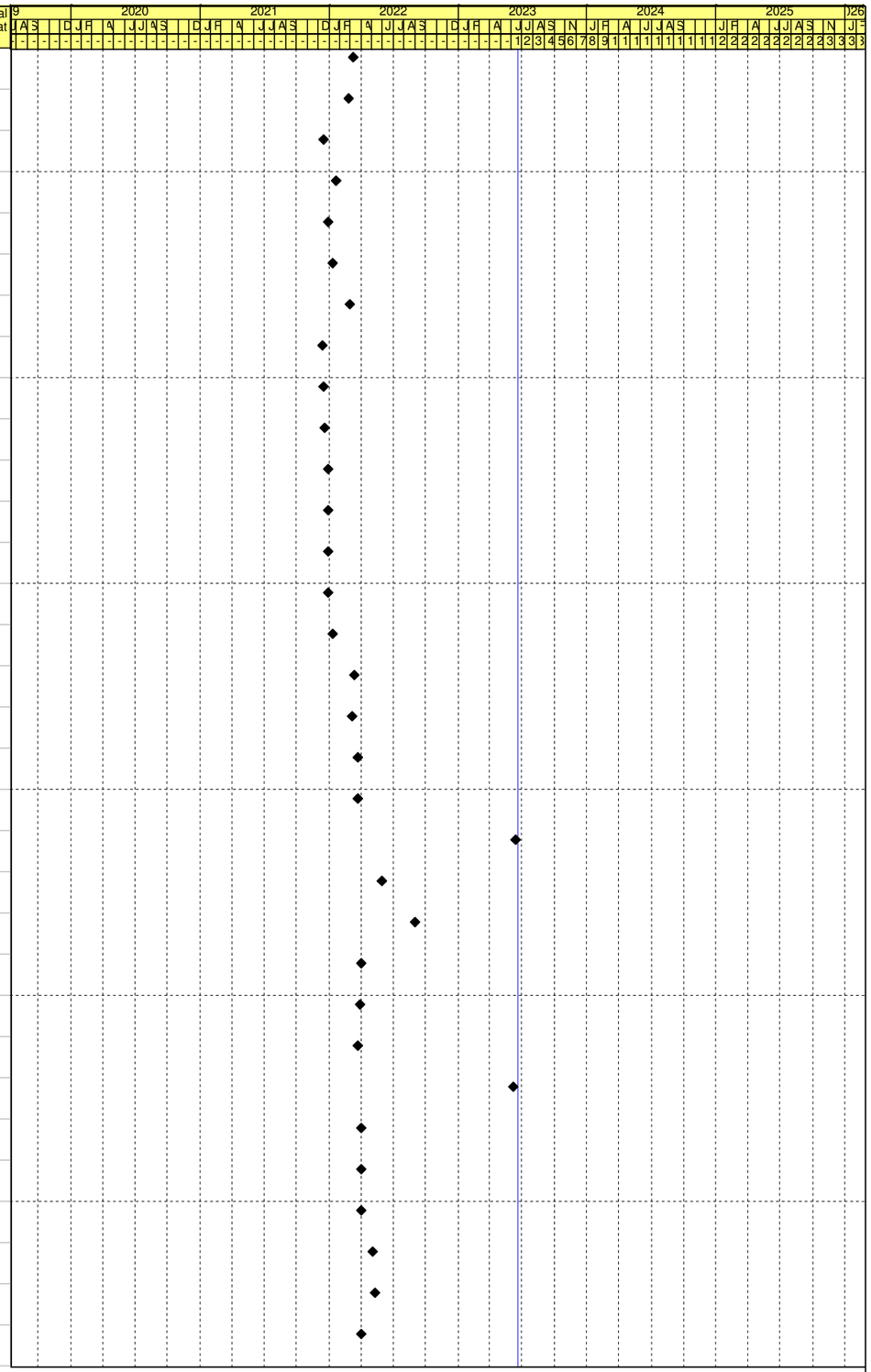
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Jun 2023

Date	Revision	Checked	Approved
28-Feb-23	Rev.31	IM/LT	KM
31-Mar-23	Rev.32	IM/LT	KM
30-Apr-23	Rev.33	IM/LT	KM
31-May-23	Rev.34	IM/LT	KM
30-Jun-23	Rev.35	IM/LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Successors	Total Float
CE0300	NCE-PMI-0300 - Revised Plumbing Layout for CHP, DOU 12 and SD&DC	0		10-Mar-22 A					
CE0301	NCE-PMI-0301 - Revised Plumbing Layout for SDB & FeCl3 Dosing System	0		24-Feb-22 A					
CE0302	NCE-PMI-0302 - Revised Lighting Layout Plan for Workshop No.2	0		17-Dec-21 A					
CE0303	NCE-CNE-0303 - Revise Fire Services Provision for Server Room of Workshop No.2	0		19-Jan-22 A					
CE0304	NCE-PMI-0304 - Provision of Digital Displaying Screen and Softwarewithin Portion B Area	0		29-Dec-21 A					
CE0305	NCE-PMI-0305 - Process Review for Advance Works	0		12-Jan-22 A					
CE0306	NCE-CNE-0306 - Additional Trial Pits & the Associated Modification Works for Uncharted Utilities at STF	0		01-Mar-22 A					
CE0307	NCE-PMI-0307 - Revised Quantity for Stoplogs of Sewage Pumping Station	0		13-Dec-21 A					
CE0309	RCNE-CNE-0309 - Inclement Weather - October 2021 (Time Implication)	0		16-Dec-21 A					
CE0310	NCE-PMI-0310 - Temp. Leased Line for UV System No.1, Effluent PS No.1 & existing Control Room at Zone B	0		20-Dec-21 A					
CE0311	NCE-PMI-0311 - Temp. Setup for SCADA System Monitoring & CCTV System Surveillance	0		29-Dec-21 A					
CE0312	CNE-0312 - Weather Condition Affecting the Site in Oct due to Typhoon Signal No.8 or above, Red/Black Rainstorm Warning	0		29-Dec-21 A					
CE0313	CNE-0313 - Inclement Weather - November 2021 (Time Implication)	0		29-Dec-21 A					
CE0315	NCE-PMI-0315 - Modification of Monorali LA-01-04 in Sludge Dewatering Building	0		30-Dec-21 A					
CE0317	NCE-PMI-0317 - Revised CCTV Layout Plan & Addition of CCTV Camera for UV System No.1 & Effluent Pumping Station	0		11-Jan-22 A					
CE0325	NCE-PMI-0325 - Provision of 2 Nos. of 3 Tons Mobile A-frame with Electrical Hoist in Sludge Dewatering Building	0		14-Mar-22 A					
CE0327	NCE-PMI-0327 - Change of Material for Electrical Wiring Accessories	0		08-Mar-22 A					
CE0328	NCE-PMI-0328 - Provision of Chequer Plates at SAS Pumping Station	0		22-Mar-22 A					
CE0329	NCE-PMI-0329 - Provision of IIB for FAT for Sludge Thickening and Dewatering Centrifuges	0		23-Mar-22 A					
CE0331	RCNE-CNE-0331 - Unavailability of Temporary Power Supply by CLP	0		13-Jun-23 A					
CE0333	NCE-PMI-0333 - Revised MVAC Layout and Control Schematic for Workshop No.2	0		30-May-22 A					
CE0334	NCE-PMI-0334 - Provision of 1 Set of SWL 1 Tons Davit with Electrical Chain Hoist on the Roof of Distribution Chamber	0		02-Sep-22 A					
CE0335	NCE-PMI-0335 - Revised Power & Control for MVAC Provision at Workshop No.2	0		01-Apr-22 A					
CE0336	NCE-PMI-0336 - Provision of Additional Temporary Storage Area	0		30-Mar-22 A					
CE0337	NCE-PMI-0337 - Revised Pipe Trenches in Zone C	0		24-Mar-22 A					
CE0337a	PMI-PMI-0337 - Revised Pipe Trenches in Zone C	0		07-Jun-23 A					
CE0338	NCE-PMI-0338 - Provision of Additional RFID Handheld Readers with 4G Data SIM Card Service	0		01-Apr-22 A					
CE0339	NCE-PMI-0339 - Revised Lighting Layout for SDB	0		01-Apr-22 A					
CE0340	NCE-PMI-0340 - Buillding Services & SCADA Interface Provisions for Workshop No.2	0		01-Apr-22 A					
CE0341	NCE-PMI-0341 - Revised MVAC Layout for Sludge Digesters and Distribution Chamber	0		05-May-22 A					
CE0342	NCE-PMI-0342 - Provision and Installation of Additional Pipes to Manhole MHSS1	0		12-May-22 A					
CE0343	CNE-0343 - Inclement Weather - December 2021 (Time Implication)	0		01-Apr-22 A					



Remaining Work
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Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
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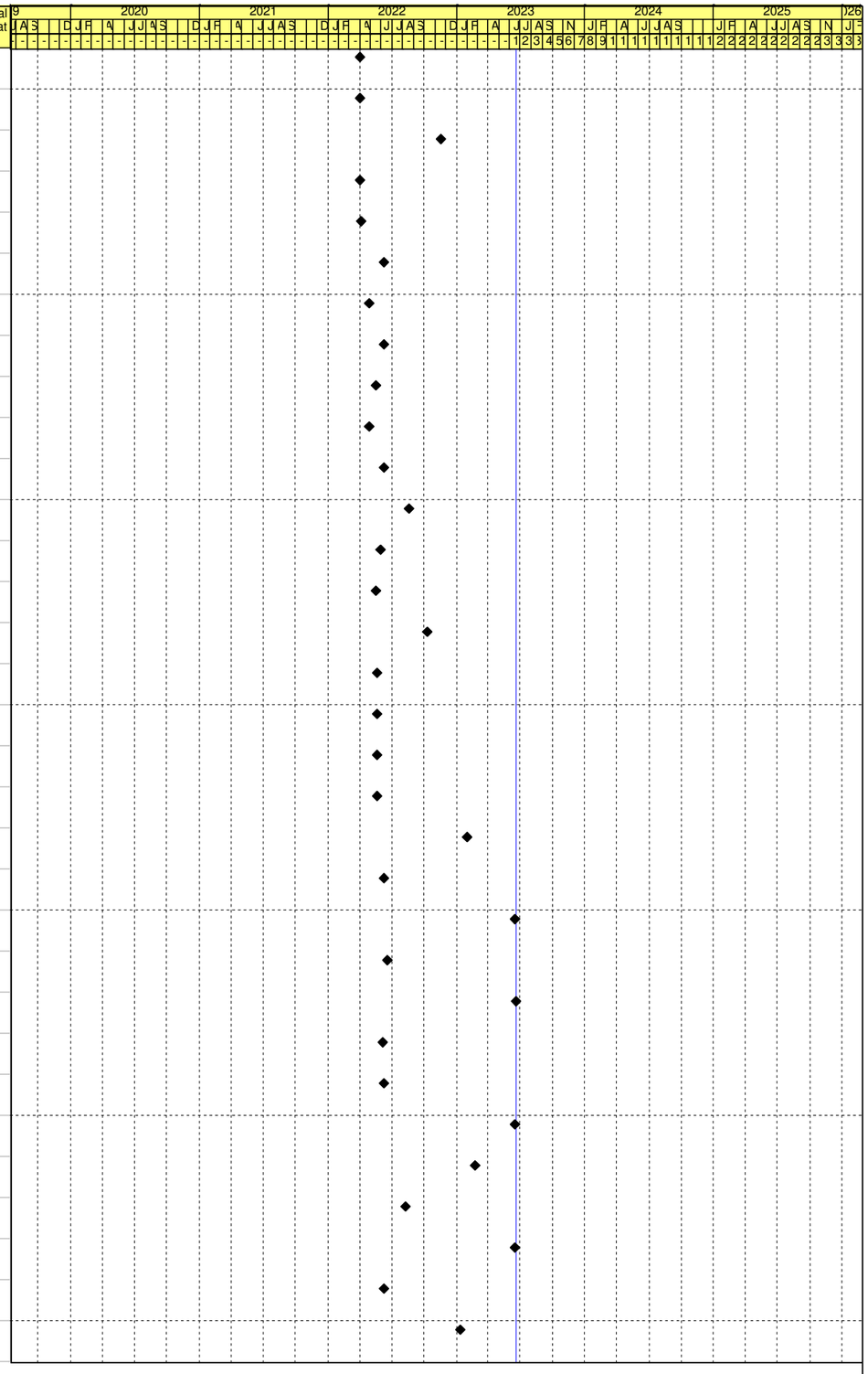
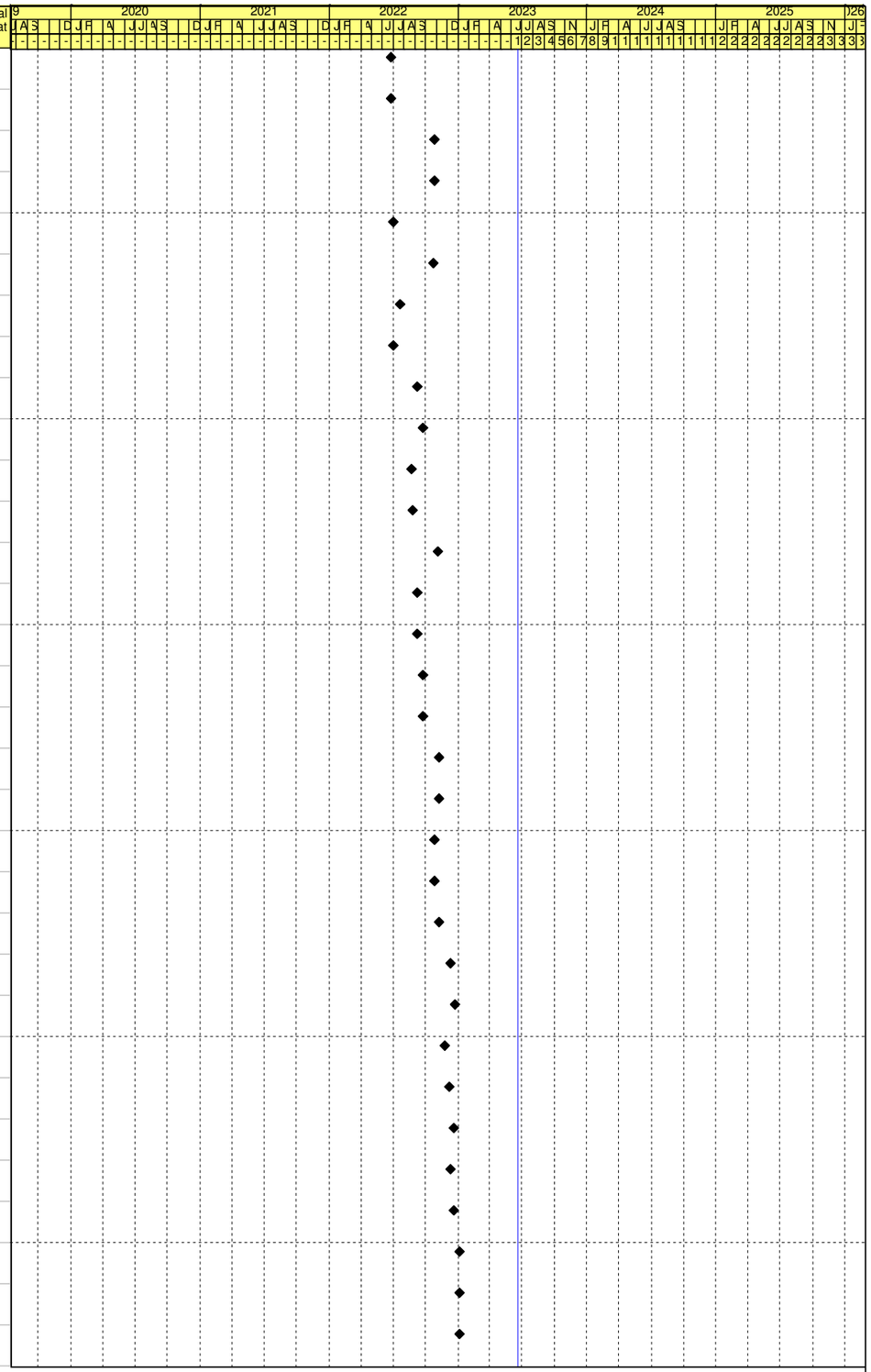
31-May-23	Rev.34	IM/LT	KM
30-Jun-23	Rev.35	IM/LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Successors	Total Float
CE0344	CNE-0344 - Inclement Weather - January 2022 (Time Implication)	0		01-Apr-22 A					
CE0345	CNE-0345 - Inclement Weather - February 2022 (Time Implication)	0		01-Apr-22 A					
CE0346	NCE-CNE-0346 - Left in Temporary Steel Casing for Pile No. SSHP5 at Sidesteam Treatment Facilities	0		16-Nov-22 A					
CE0347	NCE-PMI-0347 - IIB for FAT for 11kV Switchboards	0		01-Apr-22 A					
CE0348	NCE-PMI-0348 - Provision of (IIB) for FAT for CHP Generating Sets	0		04-Apr-22 A					
CE0352	NCE-PMI-0352 - Revised MVAC Layout and for Transformer and Switch Room	0		10-Jun-22 A					
CE0353	NCE-PMI-0353 - Additional Auto-sampler for sampling Location at UV system No.1 and Effluent Pumping Station No.1	0		27-Apr-22 A					
CE0354	NCE-EWP-0354 - Early Deployment of Tower Crane to Enhance Programme affected by Uncharted U/U at STF	0		10-Jun-22 A					
CE0359	NCE-PMI-0359 - Revised Lighting Layout for Sludge Digesters and Districbution Chamber (Basement 1 and Basement 2)	0		16-May-22 A					
CE0360	NCE-PMI-0360 - Provision of Video Wall with Additional Monitors in the Control Room of Workshop No.2	0		29-Apr-22 A					
CE0361	NCE-PMI-0361 - Revised Power Layout for Sludge Dewatering Building	0		08-Jun-22 A					
CE0362	NCE-CNE-0362 - Amendment of Dangers Goods Ordinance (Cap.295)	0		19-Aug-22 A					
CE0363	NCE-PMI-0363 - Revised MVAC Layout and Control Schematic for CHP Building	0		30-May-22 A					
CE0364	NCE-PMI-0364 - Provision of Security and Utility Services for Additional Temporary Storage Area	0		16-May-22 A					
CE0364-1	NCE-PMI-0364-1 - Provision of Security and Utility Services for Additional Temporary Storage Area	0		10-Oct-22 A					
CE0366	CNE-0366 - No Access to and Use of Portion C-2B for Area for CHP	0		20-May-22 A					
CE0367	NCE-PMI-0367 - Sealing Works for UV System & Effluent Pumping Station No. 1	0		20-May-22 A					
CE0369	CNE-0369 - No Access to and use of Portion C-2C for Area for SD & DC	0		20-May-22 A					
CE0370	CNE-0370 - No Access to and Use of Portion C-2A for Area for SDB	0		20-May-22 A					
CE0370-1	RCNE-CNE-0370-1 - No Access to and Use of Portion C-2A for Area for Sludge Dewatering Building	0		31-Jan-23 A					
CE0372	NCE-PMI-0372 - Building Services Control & Monitoring Provisions for SDB & Gas Detection System for Pipe Tranch No.1	0		08-Jun-22 A					
CE0372-1	PMI-PMI-0372-1 -Building Services Control & Monitoring Provisions for SDB & Gas Detection System for Pipe Tranch No.1	0		16-Jun-23 A					
CE0374	NCE-PMI-0374 - Revised Power Layout for SDDC & Control Provisions for Sump Pumps at Pipe Trench No.1 & No.2	0		20-Jun-22 A					
CE0374-1	PMI-PMI-0374-1 - Revised Power Layout for SDDC & Control Provisions for Sump Pumps at Pipe Trench No.1 & No.2	0		19-Jun-23 A					
CE0375	NCE-PMI-0375 - Gas Detection System for Pipe Trench No.3 in Zone C	0		06-Jun-22 A					
CE0376	NCE-PMI-0376 - BS Provisions for SDDC (G/F & Roof) & Pipe Trench No.2	0		10-Jun-22 A					
CE0376-1	PMI-PMI-0376-1 - BS Provisions for SDDC (G/F & Roof) & Pipe Trench No.2	0		16-Jun-23 A					
CE0380	CNE-0380 - No Access and Use of Portion C-2D for Area for THP, H2S removal, DOU, WGB system, BHT, THP CWTPS, Fecl3 etc.	0		24-Feb-23 A					
CE0381	NCE-PMI-0381 - Employment of Temporary Staff under Job Creation Scheme 3.0 (JCS 3.0) under Anti-Epidemic Fund (AEF)	0		08-Aug-22 A					
CE0381-1	PMI-PMI-0381-1 - Employment of Temporary Staff under Job Creation Scheme 3.0 (JCS 3.0) under Anti-Epidemic Fund (AEF)	0		16-Jun-23 A					
CE0384	NCE-PMI-0384 - Enhanced Protective Measures against Spread of Omicron COVID Variant	0		08-Jun-22 A					
CE0384-1	NCE-PMI-0384-1 - Enhanced Protective Measures against Spread of Omicron COVID Variant	0		11-Jan-23 A					



Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Successors	Total Float
CE0386	CNE-0386 - Inclement Weather - March 2022 (Time Implication)	0		24-Jun-22 A					
CE0387	CNE-0387 - Inclement Weather - April 2022 (Time Implication)	0		24-Jun-22 A					
CE0389	NCE-PMI-0389 - Enhancement of Ventilation for CHP Acoustic Enclosures at Combined Heat and Power Building	0		27-Oct-22 A					
CE0390	NCE-PMI-0390 - Electricity Supply for DSD Maintenance Works at Workshop No.2	0		26-Oct-22 A					
CE0391	CNE-0391 - Inclement Weather - May 2022 (Time Implication)	0		30-Jun-22 A					
CE0393	NCE-PMI-0393 - Automatic Changeover System for UV System No.1 in LV Switchboard at Transformer and Switchroom	0		22-Oct-22 A					
CE0395	NCE-PMI-0395 - Omission of the Set-up Work for Temporary Water and Electricity Supply for Works Area WA1-B	0		20-Jul-22 A					
CE0397	CNE-0397 - Inclement Weather - Jun 2022 (Time Implication)	0		30-Jun-22 A					
CE0398	CNE-0398 - Red Rainstorm Warning -June 2022 (Time and Cost Implication)	0		08-Sep-22 A					
CE0399	NCE-PMI-0399 - Revised MVAC Layout for Sludge Dewatering Building	0		22-Sep-22 A					
CE0400	NCE-PMI-0400 - Provision of High Tide Detection System for System No.1 and Effluent Pumping Station No. 1	0		23-Aug-22 A					
CE0402	NCE-PMI-0402 - Provision of Flow Control System for Effluent to Shek Sheung River	0		24-Aug-22 A					
CE0403	NCE-PMI-0403 - Revised MVAC Provisions for SDB, TX&Switchrrom, UV no.1 & EPS and FHBP Rm	0		03-Nov-22 A					
CE0405	CNE-0405 - Inclement Weather -July 2022 (Time Implication)	0		08-Sep-22 A					
CE0406	CNE-0406 - Tropical Cyclone Warning Signal No. 8 - July 2022 (Time and Cost Implication)	0		08-Sep-22 A					
CE0409	CNE-0409 - Inclement Weather -August 2022 (Time Implication)	0		22-Sep-22 A					
CE0410	CNE-0410 - Tropical Cyclone Warning Signal No. 8 - August 2022 (Time and Cost Implication)	0		22-Sep-22 A					
CE0411	NCE-PMI-0411 - Revised Lighting Design for CHP Building	0		07-Nov-22 A					
CE0412	NCE-PMI-0412 - Omission of the Works of CMMS & IDMS	0		09-Nov-22 A					
CE0413	NCE-PMI-0413 - MV for UV Plant Area (Level +4.9mPD) of UV System No.1 & Effluent Pumping Station No.1	0		25-Oct-22 A					
CE0414	NCE-PMI-0414 - Sample Collection and Analysis for Existing Sewage Treatment Facilities	0		27-Oct-22 A					
CE0415	NCE-PMI-0415 - Modification Works for Instrument of UV Channels	0		07-Nov-22 A					
CE0420	NCE-PMI-0420 - Pipework Modifcation for THP Feeding System (from SDB to THP)	0		09-Dec-22 A					
CE0421	NCE-PMI-0421 - Provision of BLI System for THP Feeding System at Sludge Dewatering Building	0		22-Dec-22 A					
CE0422	NCE-PMI-0422 - MVAC Provisions for Store at Workshop No. 2	0		25-Nov-22 A					
CE0423	NCE-PMI-0423 - Provision of Puddle Flanges for Draft Tube Mixer Installation at Sludge Digester No. 2	0		06-Dec-22 A					
CE0424	NCE-PMI-0424 - Provision of Addtional Ethernet Module for Dual Ring in SCADA and PMS System	0		20-Dec-22 A					
CE0425	NCE-PMI-0425 - Provision of PLC Gateway for the Interface Work with Reclaimed Water Facilities in Zone D	0		09-Dec-22 A					
CE0429	NCE-PMI-0429 - Provision of Additional Access Platform for the EOT in CHP Building	0		20-Dec-22 A					
CE0430	NCE-PMI-0430 - Provision of Additional Lifting Davits for Thermal Hydrolysis Process (THP) System	0		05-Jan-23 A					
CE0433	CNE-0433 - Weather Conditions Affecting the Site in Nov 22 due to Amber Rainstorm warning, or Inclement Weather	0		05-Jan-23 A					
CE0434	CNE-0434 - Weather Condition Affecting the Site in Nov due to Typhoon Signal No.8 or above, Red/Black Rainstorm Warning	0		05-Jan-23 A					



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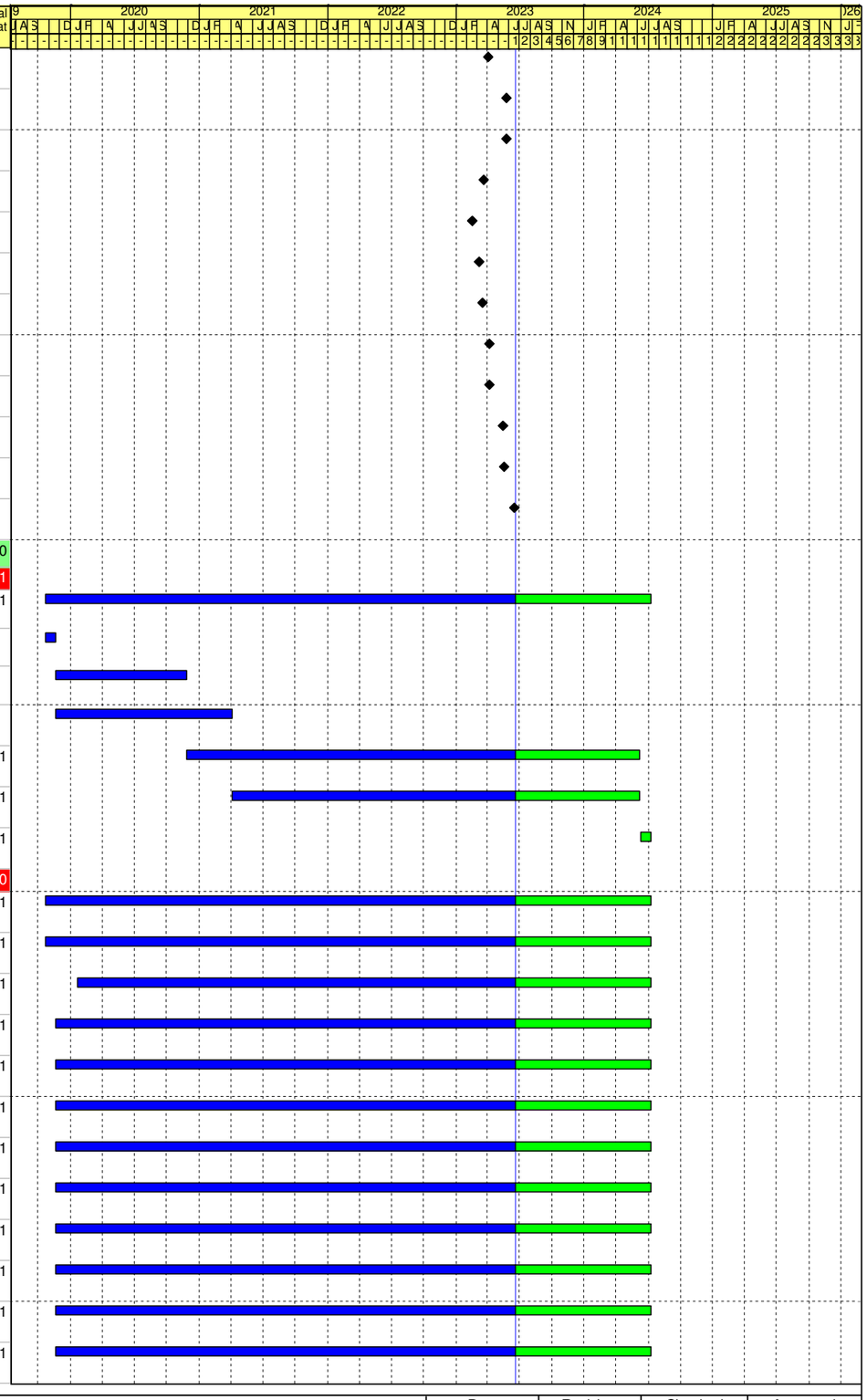
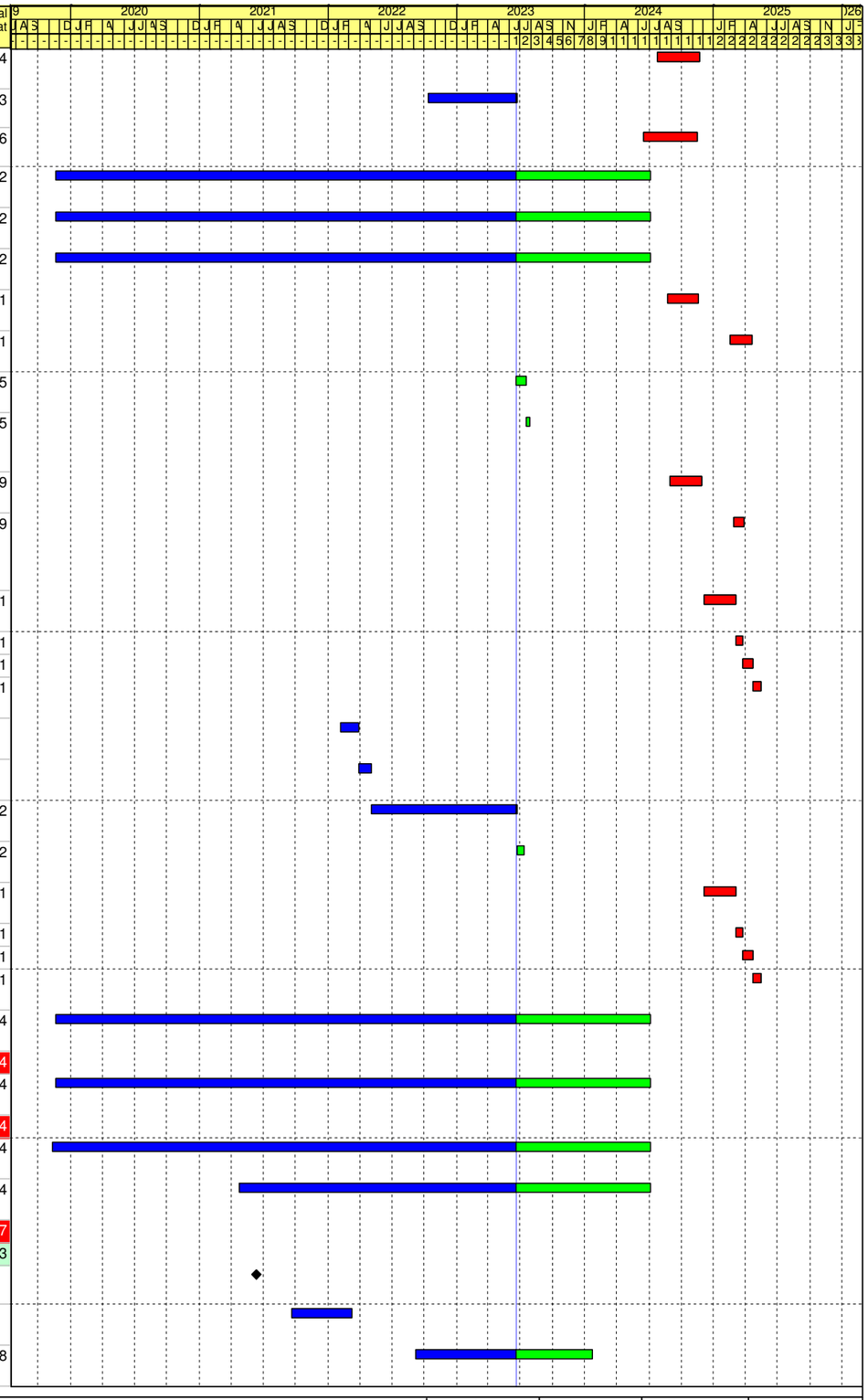
Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Successors	Total Float
CE0435	NCE-PMI-0435 - Provision of Hydraulic Operated Sludge Skip of Sludge Dewatering Building	0		03-Apr-23 A					
CE0438	NICE-PMI-0438 - Revised Valve Type for Biogas Holding Tanks	0		25-May-23 A					
CE0438-1	PMI-PMI-04238 - Revised Valve Type for Biogas Holding Tanks	0		25-May-23 A					
CE0439	NCE-PMI-0439 - Building Services Provision for Unmanned Services Duct	0		21-Mar-23 A					
CE0441	CNE-0441 - Weather Conditions Affecting the Site in Dec 22 due to Amber Rainstorm warning, or Inclement Weather	0		16-Feb-23 A					
CE0444	NCE-PMI-0444 - Building Services Provision for Additional Shower Cubicles at Workshop No. 2	0		06-Mar-23 A					
CE0445	NCE-PMI-0445 - Additional Power Provisions for Workshop No. 2	0		17-Mar-23 A					
CE0450	CNE-0450 - Inclement Weather - February 2023 (Time Implication)	0		06-Apr-23 A					
CE0451	CNE-0451 - Inclement Weather - January 2023 (Time Implication)	0		06-Apr-23 A					
CE0456	CNE-0456 - Inclement Weather - March 2023 (Time Implication)	0		15-May-23 A					
CE0460	CNE-0460 - Inclement Weather - April 2023 (Time Implication)	0		19-May-23 A					
CE0461	CNE-0461 - Inclement Weather - May 2023 (Time Implication)	0		16-Jun-23 A					
Preliminaries		2031	23-Oct-19 A	14-May-25	10-Aug-22	14-May-25			0
Mobilisation		1720	23-Oct-19 A	07-Jul-24	10-Aug-22	14-May-25			311
PL1000	Provison of Equipment / Facilities for the PM's Office	1720	23-Oct-19 A	07-Jul-24	27-Apr-24	14-May-25	AD1200, AD1220,	CD1040	311
PL1010	Mobilisation	28	23-Oct-19 A	19-Nov-19 A	10-Aug-22	10-Aug-22	CD1010	PL1240, S2P1010,	
PL1020	Design, Procurement & PO & Construction of Contractor's Site Office (Works Area WA1-B)	270	20-Nov-19 A	27-Nov-20 A	26-Oct-22	26-Oct-22	AD1200, PL1010	PL1040, S2D1930,	
PL1030	Design, Procurement & PO & Construction of Contractor's Storage Area (Works Area WA3)	503	20-Nov-19 A	05-Apr-21 A	27-Apr-24	27-Apr-24	AD1220, PL1010	PL1050	
PL1040	Maintain Contractor's Site Office	1288	28-Nov-20 A	07-Jun-24	27-Apr-24	14-Apr-25	PL1020	PL1060	311
PL1050	Maintain Contractor's Storage Area	1159	06-Apr-21 A	07-Jun-24	27-Apr-24	14-Apr-25	PL1030	PL1060	311
PL1060	Removal of Site Office, Storage & Relevant Facilities	30	08-Jun-24	07-Jul-24	15-Apr-25	14-May-25	PL1040, PL1050	CD1040	311
Site Preliminaries		2031	23-Oct-19 A	14-May-25	16-Oct-23	14-May-25			0
PL1070	Provision of Insurance, Third Party Insurances & PII	1720	23-Oct-19 A	07-Jul-24	27-Apr-24	14-May-25	CD1010	CD1040	311
PL1080	Provision of 2 Contract Car for the Use of the PM & Supervisor	1720	23-Oct-19 A	07-Jul-24	27-Apr-24	14-May-25	CD1010	CD1040	311
PL1090	Provision of 1 Electric Car for the Use of the PM & Supervisor	1629	22-Jan-20 A	07-Jul-24	27-Apr-24	14-May-25	CD1010, PL1010	CD1040	311
PL1100	Provision of Photographs	1692	20-Nov-19 A	07-Jul-24	27-Apr-24	14-May-25	CD1010, PL1010	CD1040	311
PL1110	Provision of Environmental Mitigation Measures	1692	20-Nov-19 A	07-Jul-24	27-Apr-24	14-May-25	CD1010, PL1010	CD1040	311
PL1120	Provision of Air Pollution Abatment	1692	20-Nov-19 A	07-Jul-24	27-Apr-24	14-May-25	CD1010, PL1010	CD1040	311
PL1130	Provision of Noise Pollution Abatment	1692	20-Nov-19 A	07-Jul-24	27-Apr-24	14-May-25	CD1010, PL1010	CD1040	311
PL1140	Provision of Wastewater Pollution Abatement	1692	20-Nov-19 A	07-Jul-24	27-Apr-24	14-May-25	CD1010, PL1010	CD1040	311
PL1150	Provision of Wastement Management	1692	20-Nov-19 A	07-Jul-24	27-Apr-24	14-May-25	CD1010, PL1010	CD1040	311
PL1160	Provision of Monitoring the Use of Ultra Low Sulphur Diesel	1692	20-Nov-19 A	07-Jul-24	27-Apr-24	14-May-25	CD1010, PL1010	CD1040	311
PL1170	Provision of Environmental Management	1692	20-Nov-19 A	07-Jul-24	27-Apr-24	14-May-25	CD1010, PL1010	CD1040	311
PL1180	Provision of Site Management Plan for Trip Ticket System	1692	20-Nov-19 A	07-Jul-24	27-Apr-24	14-May-25	CD1010, PL1010	CD1040	311



Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Successors	Total Float
PL1190	Provision of As-constructed Drawings for Section 3	121	25-Jul-24	22-Nov-24	12-Feb-24	12-Jun-24	CD1010, S3C1150	CD1040, SC31110	-164
PL1200	Provision of As-constructed Drawings for Section 4	252	13-Oct-22 A	21-Jun-23	14-May-25	14-May-25	CD1010, S4C1160,	CD1040, SC41110	693
PL1210	Provision of As-constructed Drawings for Section 5	151	17-Jun-24	14-Nov-24	24-Dec-23	22-May-24	CD1010, S5DIGC1040,	CD1040, SC51110	-176
PL1220	Provision of Systematic Risk Management	1691	20-Nov-19 A	06-Jul-24	28-Apr-24	14-May-25	CD1010, PL1010	CD1040	312
PL1230	Provision of Site Liaison Group & Community Liaison Group	1691	20-Nov-19 A	06-Jul-24	28-Apr-24	14-May-25	CD1010, PL1010	CD1040	312
PL1240	Provision of 24-Hour Telephone Line	1691	20-Nov-19 A	06-Jul-24	28-Apr-24	14-May-25	CD1010, PL1010	CD1040	312
PL1260	Submission & Acceptance of Training Programme, Training Manual & Syllabus for Section 3	90	22-Aug-24	19-Nov-24	16-Oct-23	14-Jan-24		PL1270	-311
PL1270	Provision of Training for Employer's Staff for Section 3	60	18-Feb-25	18-Apr-25	13-Apr-24	12-Jun-24	CD1010, PL1260	CD1040, SC31110	-311
PL1280	Submission & Acceptance of Training Programme, Training Manual & Syllabus for Section 4	27	21-Jun-23	17-Jul-23	06-Apr-25	02-May-25		PL1290	655
PL1290	Provision of Training for Employer's Staff for Section 4	12	18-Jul-23	29-Jul-23	03-May-25	14-May-25	CD1010, S4T1020, PL1280	CD1040, SC41110	655
PL1300	Submission & Acceptance of Training Programme, Training Manual & Syllabus for Section 5	90	30-Aug-24	27-Nov-24	26-Oct-23	23-Jan-24		PL1310	-309
PL1310	Provision of Training for Employer's Staff for Section 5	30	26-Feb-25	27-Mar-25	23-Apr-24	22-May-24	CD1010, S5T1180, S5DIGC1040, PL1300	CD1040, SC51110	-309
PL1320	Prepare & Submit O&M Manual for Section 3	90	04-Dec-24	03-Mar-25	28-Jan-24	27-Apr-24	CD1010	CD1040, PL1330	-311
PL1330	PM Reivew & Comment O&M Manual for Section 3	21	04-Mar-25	24-Mar-25	27-Apr-24	18-May-24	PL1320	PL1340	-311
PL1340	Revise & Re-submit O&M Manual for Section 3	30	25-Mar-25	23-Apr-25	18-May-24	17-Jun-24	PL1330	PL1350	-311
PL1350	PM Reivew & Approval of O&M Manual for Section 3	21	24-Apr-25	14-May-25	17-Jun-24	08-Jul-24	PL1340	CD1040, SC31110	-311
PL1360	Prepare & Submit O&M Manual for Section 4	50	07-Feb-22 A	28-Mar-22 A	23-Apr-25	23-Apr-25	CD1010	CD1040, PL1370	
PL1370	PM Reivew & Comment O&M Manual for Section 4	36	29-Mar-22 A	03-May-22 A	23-Apr-25	23-Apr-25	PL1360	PL1380	
PL1380	Revise & Re-submit O&M Manual for Section 4	414	04-May-22 A	21-Jun-23	23-Apr-25	23-Apr-25	PL1370	PL1390	672
PL1390	PM Reivew & Approval of O&M Manual for Section 4	21	22-Jun-23	12-Jul-23	24-Apr-25	14-May-25	PL1380	CD1040, SC41110	672
PL1400	Prepare & Submit O&M Manual for Section 5	90	04-Dec-24	03-Mar-25	08-Jan-24	06-Apr-24	CD1010	CD1040, PL1410	-331
PL1410	PM Reivew & Comment O&M Manual for Section 5	21	04-Mar-25	24-Mar-25	07-Apr-24	27-Apr-24	PL1400	PL1420	-331
PL1420	Revise & Re-submit O&M Manual for Section 5	30	25-Mar-25	23-Apr-25	28-Apr-24	27-May-24	PL1410	PL1430	-331
PL1430	PM Reivew & Approval of O&M Manual for Section 5	21	24-Apr-25	14-May-25	28-May-24	17-Jun-24	PL1420	CD1040, SC51110	-331
PL1440	Provision of ICE for Certification of the Design, Cal, Dwgs, Plans and all relevant Doc and Process Commissioning	1689	20-Nov-19 A	04-Jul-24	30-Apr-24	14-May-25	CD1010, PL1010	CD1040	314
Site Upkeeping		1689	20-Nov-19 A	04-Jul-24	30-Apr-24	14-May-25			314
PL1450	General Site Upkeeping of the Site	1689	20-Nov-19 A	04-Jul-24	30-Apr-24	14-May-25	CD1010, PL1010	CD1040	314
Safety and Environmental Management		1705	10-Nov-19 A	04-Jul-24	30-Apr-24	14-May-25			314
PL1460	Construction Health and Safety Plan	1699	10-Nov-19 A	04-Jul-24	30-Apr-24	14-May-25	CD1000	CD1040	314
PL1470	Site Traffic Safety Management Plan	1167	25-Apr-21 A	04-Jul-24	30-Apr-24	14-May-25	AD1010	CD1040	314
Compliance with BEAM Requirements		1129	11-Jun-21 A	13-Aug-24	10-Jul-23	17-Jun-24			-57
Sludge Dewatering Building		1069	11-Jun-21 A	14-Jun-24	17-Sep-23	17-Jun-24			3
PL1490	Material Submission & Design Calculation Approved	0		11-Jun-21 A			S2D1290, S2D1330,	PL1500, SC21120	
PL1500	Issued approved submission & Calculation to Cinotech	161	21-Sep-21 A	11-Mar-22 A	17-Sep-23	17-Sep-23	PL1490	PL1510	
PL1510	Monthly Review & Submission	500	09-Sep-22 A	21-Jan-24	17-Sep-23	18-Apr-24	PL1500	PL1520	88



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Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
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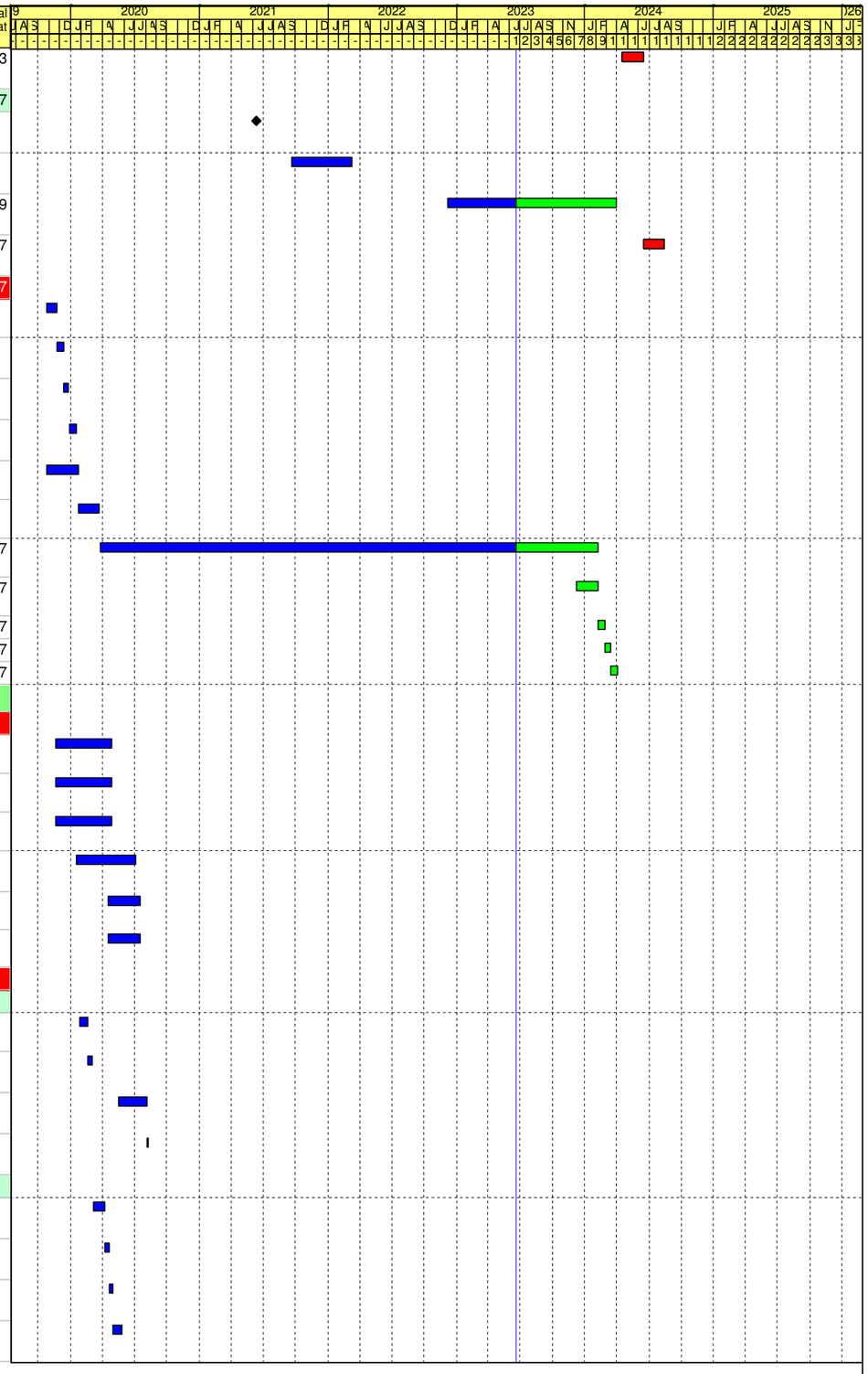
31-May-23	Rev.34	IM/LT	KM
30-Jun-23	Rev.35	IM/LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Successors	Total Float
PL1520	Submission & Approval of Test Record	60	16-Apr-24	14-Jun-24	19-Apr-24	17-Jun-24	PL1510, S5T1060	SC51120	3
CHP Building		1129	11-Jun-21 A	13-Aug-24	10-Jul-23	17-Jun-24			-57
PL1530	Material Submission & Design Calculation Approved	0		11-Jun-21 A			S2D1610	PL1540, SC21120	
PL1540	Issued approved submission & Calculation to Cinotech	168	21-Sep-21 A	11-Mar-22 A	10-Jul-23	10-Jul-23	PL1530	PL1550	
PL1550	Monthly Review & Submission	480	07-Dec-22 A	30-Mar-24	10-Jul-23	18-Apr-24	S5CHPC1020, PL1540	PL1560	19
PL1560	Submission & Approval of Test Record	60	15-Jun-24	13-Aug-24	19-Apr-24	17-Jun-24	PL1550, S5T1100	SC51120	-57
BIM		1623	24-Oct-19 A	02-Apr-24	01-Aug-24	14-May-25			407
PL1570	Prepare & Submit Construction Stage BIM Execution Plan	30	24-Oct-19 A	22-Nov-19 A	01-Aug-24	01-Aug-24	CD1010	PL1580, PL1630,	
PL1580	PM Reivew & Comment Construction Stage BIM Execution Plan	21	23-Nov-19 A	13-Dec-19 A	01-Aug-24	01-Aug-24	PL1570	PL1590	
PL1590	Revise & Re-submit Construction Stage BIM Execution Plan	14	14-Dec-19 A	27-Dec-19 A	01-Aug-24	01-Aug-24	PL1580	PL1600	
PL1600	PM Reivew & Approval of Construction Stage BIM Execution Plan	21	28-Dec-19 A	17-Jan-20 A	01-Aug-24	01-Aug-24	PL1590	PL1630, PL1620	
PL1610	Contractor Review & Study Design Stage BIM	92	24-Oct-19 A	23-Jan-20 A	01-Aug-24	01-Aug-24	CD1010	CD1040, PL1640,	
PL1620	Contractor Develop 1st Construction Stage BIM	60	24-Jan-20 A	23-Mar-20 A	01-Aug-24	01-Aug-24	PL1600, PL1570,	CD1040, PL1640,	
PL1630	Review & Update BIM Execution Plan & BIM Model	1415	24-Mar-20 A	06-Feb-24	01-Aug-24	19-Mar-25	PL1570, PL1620,	CD1040, PL1640	407
PL1640	Prepare & Submit the Fully Coordinated BIM	60	09-Dec-23	06-Feb-24	19-Jan-25	19-Mar-25	PL1620, PL1630,	PL1650	407
PL1650	PM Reivew & Comment Fully Coordinated BIM	21	07-Feb-24	27-Feb-24	20-Mar-25	09-Apr-25	PL1640	PL1660	407
PL1660	Revise & Re-submit Fully Coordinated BIM	14	28-Feb-24	12-Mar-24	10-Apr-25	23-Apr-25	PL1650	PL1670	407
PL1670	PM Reivew & Approval of Fully Coordinated BIM	21	13-Mar-24	02-Apr-24	24-Apr-25	14-May-25	PL1660	CD1040	407
Section 1 - Design for UV System No. 1 & Effluent Pumping Station No.1		284	21-Nov-19 A	08-Aug-20 A	23-Aug-22	14-May-25			
Major Plant & Materials Procurement		240	21-Nov-19 A	17-Jul-20 A	23-Aug-22	18-Feb-23			
S1P1000	Procurement & PO for UV Disinfection System (S10)	150	21-Nov-19 A	28-Apr-20 A	23-Aug-22	23-Aug-22	CD1000, CD1010,	SC11110, S4P1040,	
S1P1010	Procurement & PO for Lift-up Pumps (S11)	150	21-Nov-19 A	28-Apr-20 A	23-Aug-22	23-Aug-22	CD1010, PL1010	SC11110, S4P1070,	
S1P1020	Procurement & PO for Transfer Pumps (S13)	150	21-Nov-19 A	28-Apr-20 A	23-Aug-22	23-Aug-22	CD1010, PL1010	SC11110, S4P1080,	
S1P1030	Procurement & PO for EOT Cranes (2T & 5T) (S19)	150	19-Jan-20 A	03-Jul-20 A	18-Feb-23	18-Feb-23	S1P1000	SC11110, S4P1100	
S1P1040	Procurement & PO for Stoplogs (S21)	90	18-Apr-20 A	17-Jul-20 A	18-Feb-23	18-Feb-23	S1P1020, PL1010	SC11110, S4P1110,	
S1P1050	Procurement & PO for Penstocks (S21)	90	18-Apr-20 A	17-Jul-20 A	18-Feb-23	18-Feb-23	S1P1020, PL1010	SC11110, S4P1120,	
Design & Submission		217	27-Jan-20 A	08-Aug-20 A	23-Aug-22	14-May-25			
General Arrangement Drawings		217	27-Jan-20 A	08-Aug-20 A	23-Aug-22	14-May-25			
S1D1000	Prepare & Submit General Arrangement Drawings	90	27-Jan-20 A	19-Feb-20 A	23-Aug-22	23-Aug-22	S1P1000, S1P1010,	S1D1010, S1D1040,	
S1D1010	Review & Comment on General Arrangement Drawings by PM	21	20-Feb-20 A	04-Mar-20 A	14-May-25	14-May-25	S1D1000	S1D1020	
S1D1020	Revise & Re-submit General Arrangement Drawings	14	16-May-20 A	05-Aug-20 A	14-May-25	14-May-25	S1D1010	S1D1030	
S1D1030	Review & Accept of General Arrangement Drawings by PM	5	06-Aug-20 A	08-Aug-20 A	14-May-25	14-May-25	S1D1020	SC11110	
Civil & Dimensional / Tolerance Requirement Drawings		176	07-Mar-20 A	08-Aug-20 A	18-Feb-23	14-May-25			
S1D1040	Prepare & Submit Civil Requirement Drawings	60	07-Mar-20 A	08-Apr-20 A	18-Feb-23	18-Feb-23	CD1010, S1D1000	S1D1050, KD1000	
S1D1050	Review & Comment on Civil Requirement Drawings by PM	21	09-Apr-20 A	20-Apr-20 A	14-May-25	14-May-25	S1D1040	S1D1060	
S1D1060	Revise & Re-submit Civil Requirement Drawings	14	21-Apr-20 A	29-Apr-20 A	14-May-25	14-May-25	S1D1050	S1D1070	
S1D1070	Review & Comment of Civil Requirement Drawings by PM	21	30-Apr-20 A	25-May-20 A	14-May-25	14-May-25	S1D1060	SC11110, S1D1080	



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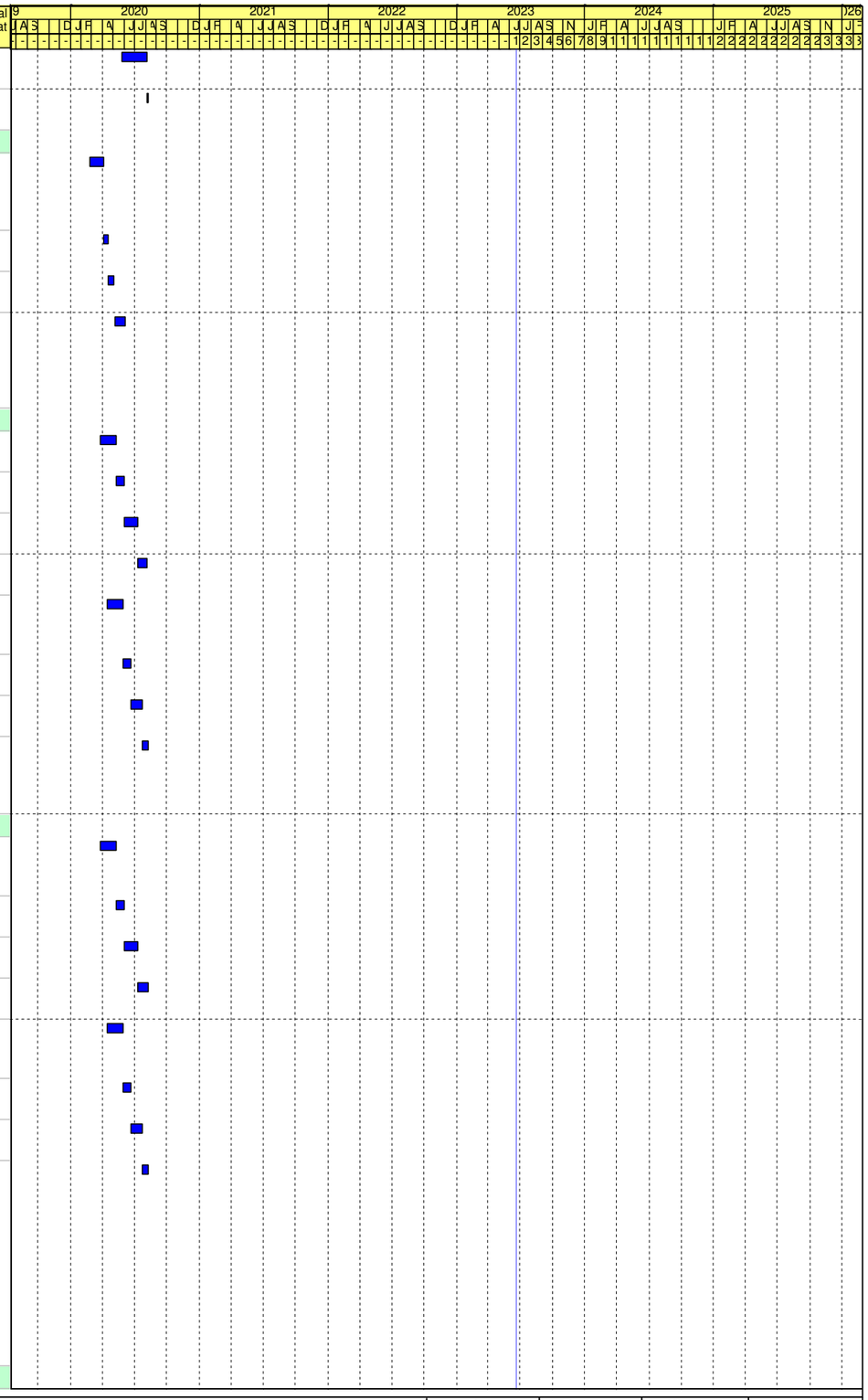
31-May-23	Rev.34	IM/LT	KM
30-Jun-23	Rev.35	IM/LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Successors	Total Float
S1D1080	Revise & Re-submit Civil Requirement Drawings	28	26-May-20 A	05-Aug-20 A	14-May-25	14-May-25	S1D1070	S1D1090	
S1D1090	Review & Accept of Civil Requirement Drawings by PM	5	06-Aug-20 A	08-Aug-20 A	14-May-25	14-May-25	S1D1080	SC11110	
Electrical Schematic Drawings		116	25-Feb-20 A	03-Jun-20 A	23-Aug-22	23-Aug-22			
S1D1100	Prepare & Submit Elec. Schematic Drawings	60	25-Feb-20 A	03-Apr-20 A	23-Aug-22	23-Aug-22	CD1010, S1D1000	S1D1110, KD1000, S1D1140, S1D1220	
S1D1110	Review & Comment on Elec. Schematic Drawings by PM	21	04-Apr-20 A	16-Apr-20 A	23-Aug-22	23-Aug-22	S1D1100	S1D1120	
S1D1120	Revise & Re-submit Elec. Schematic Drawings	14	17-Apr-20 A	04-May-20 A	23-Aug-22	23-Aug-22	S1D1110	S1D1130	
S1D1130	Review & Accept of Elec. Schematic Drawings by PM	21	05-May-20 A	03-Jun-20 A	23-Aug-22	23-Aug-22	S1D1120	S5TXRP1000, S4C1000, S4C1010, S4P1020, SC11110	
UV System No. 1		146	24-Mar-20 A	08-Aug-20 A	23-Aug-22	14-May-25			
S1D1140	Prepare & Submit Wiring Dwgs, Cable Schedule & Design Cal.	60	24-Mar-20 A	08-May-20 A	23-Aug-22	23-Aug-22	CD1010, S1D1100	S1D1150, S1D1180	
S1D1150	Review & Comment on Wiring Dwgs, Cable Schedule & Design Cal.	21	09-May-20 A	01-Jun-20 A	14-May-25	14-May-25	S1D1140	S1D1160	
S1D1160	Revise & Re-submit Wiring Dwgs, Cable Schedule & Design Cal.	14	02-Jun-20 A	10-Jul-20 A	14-May-25	14-May-25	S1D1150	S1D1170	
S1D1170	Review & Accept of Wiring Dwgs, Cable Schedule & Design Cal.	21	11-Jul-20 A	06-Aug-20 A	14-May-25	14-May-25	S1D1160	SC11110	
S1D1180	Prepare & Submit the Schedule, Design Cal. & Fixing Details of Equipment	60	15-Apr-20 A	29-May-20 A	23-Aug-22	23-Aug-22	CD1010, S1D1140, S1D1000	S1D1190, S4C1020	
S1D1190	Review & Comment on the Schedule, Design Cal. & Fixing Details of Equipment	21	30-May-20 A	19-Jun-20 A	23-Aug-22	23-Aug-22	S1D1180	S1D1200	
S1D1200	Revise & Re-submit the Schedule, Design Cal. & Fixing Details of Equipment	14	20-Jun-20 A	23-Jul-20 A	23-Aug-22	23-Aug-22	S1D1190	S1D1210	
S1D1210	Review & Accept of the Schedule, Design Cal. & Fixing Details of Equipment	14	24-Jul-20 A	08-Aug-20 A	23-Aug-22	23-Aug-22	S1D1200	S4P1040, S5TXRP1000, S5TXRP1010, SC11110	
Effluent Pumping Station No. 1		139	24-Mar-20 A	08-Aug-20 A	23-Aug-22	14-May-25			
S1D1220	Prepare & Submit Wiring Dwgs, Cable Schedule & Design Cal.	60	24-Mar-20 A	08-May-20 A	23-Aug-22	23-Aug-22	CD1010, S1D1100	S1D1230, S1D1260, S1D1300	
S1D1230	Review & Comment on Wiring Dwgs, Cable Schedule & Design Cal.	21	09-May-20 A	01-Jun-20 A	14-May-25	14-May-25	S1D1220	S1D1240	
S1D1240	Revise & Re-submit Wiring Dwgs, Cable Schedule & Design Cal.	14	02-Jun-20 A	10-Jul-20 A	14-May-25	14-May-25	S1D1230	S1D1250	
S1D1250	Review & Accept of Wiring Dwgs, Cable Schedule & Design Cal.	21	11-Jul-20 A	08-Aug-20 A	14-May-25	14-May-25	S1D1240	SC11110	
S1D1260	Prepare & Submit the Schedule, Design Cal. & Fixing Details of Equipment	60	15-Apr-20 A	29-May-20 A	23-Aug-22	23-Aug-22	CD1010, S1D1220, S1D1000	S1D1270, S4C1020	
S1D1270	Review & Comment on the Schedule, Design Cal. & Fixing Details of Equipment	21	30-May-20 A	19-Jun-20 A	23-Aug-22	23-Aug-22	S1D1260	S1D1280	
S1D1280	Revise & Re-submit the Schedule, Design Cal. & Fixing Details of Equipment	14	20-Jun-20 A	23-Jul-20 A	23-Aug-22	23-Aug-22	S1D1270	S1D1290	
S1D1290	Review & Accept of the Schedule, Design Cal. & Fixing Details of Equipment	14	24-Jul-20 A	08-Aug-20 A	23-Aug-22	23-Aug-22	S1D1280	S4P1110, S4P1120, S4P1070, S4P1080, S4P1090, S4P1100, S5TXRP1000, S5TXRP1010, S5TXRP1020, S4P1130, SC11110	
Building Services		147	15-Mar-20 A	06-Aug-20 A	18-Oct-22	14-May-25			



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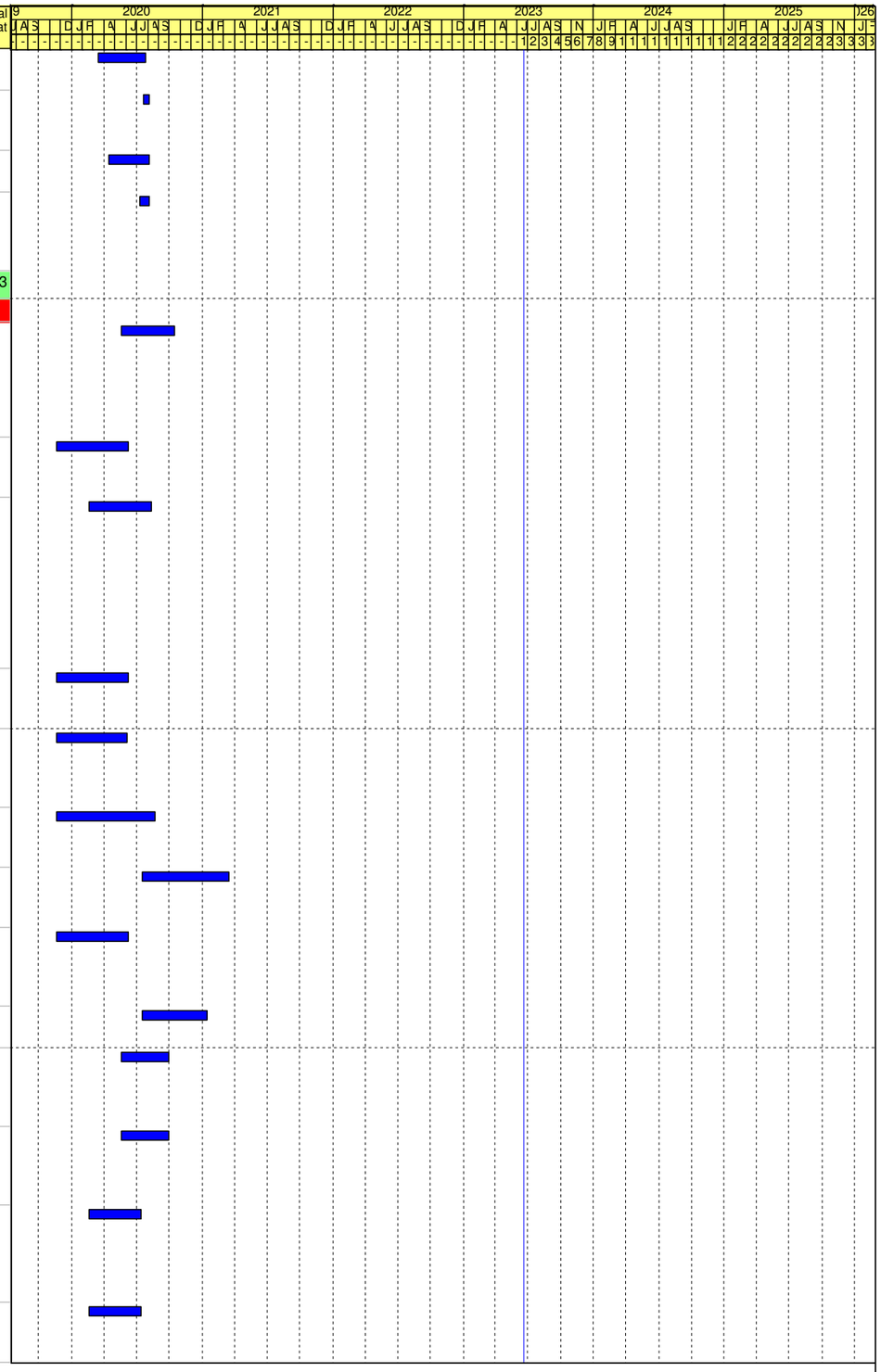
31-May-23	Rev.34	IM/LT	KM
30-Jun-23	Rev.35	IM/LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Successors	Total Float
S1D1300	Prepare & Submit BS Works Design & Dwgs UV System No.1 & Effluent Pumping Station No.1	90	15-Mar-20 A	27-Jul-20 A	18-Oct-22	18-Oct-22	S1D1220	S1D1320, S1D1310	
S1D1310	Review & Accept of BS Works Design & Dwgs UV System No.1 & Effluent Pumping Station No.1	8	21-Jul-20 A	05-Aug-20 A	18-Oct-22	18-Oct-22	S1D1300	SC11110, S5TXRC1030, S4C1110	
S1D1320	Prepare & Submit FS Works Design & Dwgs UV System No.1 & Effluent Pumping Station No.1	60	14-Apr-20 A	05-Aug-20 A	14-May-25	14-May-25	S1D1300	S1D1330	
S1D1330	Review & Accept of FS Works Design & Dwgs UV System No.1 & Effluent Pumping Station No.1	8	09-Jul-20 A	06-Aug-20 A	14-May-25	14-May-25	S1D1320	SC11110, S4P1030, S4P1140, S4P1150	
Section 2 - Complete All Designs (exclude Sec. 1 & 3)		943	20-Nov-19 A	21-Jun-23	31-Oct-21	14-May-25			693
Major Plant & Materials Procurement		571	20-Nov-19 A	23-Apr-21 A	10-Aug-22	14-May-25			
S2P1000	Procurement & PO for Sludge Screening System (S2)	150	18-May-20 A	16-Oct-20 A	18-Oct-22	18-Oct-22	S2P1020	SC21110, S2D1260, S5P1000, S2P1060, S2P1150, S5P1030	
S2P1010	Procurement & PO for Sludge Thickening System (S3)	180	20-Nov-19 A	08-Jun-20 A	18-Oct-22	18-Oct-22	PL1010, CD1010	SC21110, S2D1300, S2P1030	
S2P1020	Procurement & PO for Sludge Digestion System (S5)	150	18-Feb-20 A	12-Aug-20 A	10-Aug-22	10-Aug-22	CD1010, S2P1040	SC21110, S5DIGP1000, S2D1420, S5DIGP1010, S2P1180, S2P1210, S5P1040, S2P1000, S5P1020	
S2P1030	Procurement & PO for Sludge Dewatering System (S6)	180	20-Nov-19 A	08-Jun-20 A	18-Oct-22	18-Oct-22	PL1010, CD1010, S2P1010	SC21110, S2D1460	
S2P1040	Procurement & PO for THP System (S4)	180	20-Nov-19 A	05-Jun-20 A	10-Aug-22	10-Aug-22	CD1010, PL1010	SC21110, S5THPP1000, S2D1340, S2P1020	
S2P1050	Procurement & PO for Biogas Holding Tanks(S7)	180	20-Nov-19 A	20-Aug-20 A	18-Oct-22	18-Oct-22	PL1010	SC21110, S5BIOP1010, S2D1500	
S2P1060	Procurement & PO for H2S Removal System (S7)	234	17-Jul-20 A	17-Mar-21 A	18-Oct-22	18-Oct-22	S2P1000	SC21110, S5H2SP1000, S2D1500	
S2P1070	Procurement & PO for CHP System (S8)	180	20-Nov-19 A	08-Jun-20 A	23-Aug-22	23-Aug-22	PL1010	SC21110, S5CHPP1010, S2D1540, S2P1110	
S2P1080	Procurement & PO for Waste Gas Burning System (S9)	150	17-Jul-20 A	15-Jan-21 A	12-Mar-23	12-Mar-23		SC21110, S5WGBP1000	
S2P1090	Procurement & PO for Plant Service Water System (S12)	150	18-May-20 A	30-Sep-20 A	18-Oct-22	18-Oct-22		SC21110, S5PSWP1000, S2D1660, S2P1190	
S2P1100	Procurement & PO for SAS Pumping System (S14)	150	18-May-20 A	30-Sep-20 A	20-Dec-22	20-Dec-22		SC21110, S5SASP1000, S2D1700, S2P1220	
S2P1110	Procurement & PO for Transfomers (S17)	150	18-Feb-20 A	13-Jul-20 A	23-Aug-22	23-Aug-22	S2P1070	SC21110, S5WS2P1000, S2P1120, S2P1140, S5TXRP1000	
S2P1120	Procurement & PO for 11 kV Switchboard (S17)	150	18-Feb-20 A	13-Jul-20 A	24-Aug-22	24-Aug-22	S2P1110	SC21110, S5WS2P1060, S2P1130	



Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Jun 2023

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28-Feb-23	Rev.31	IM/LT	KM
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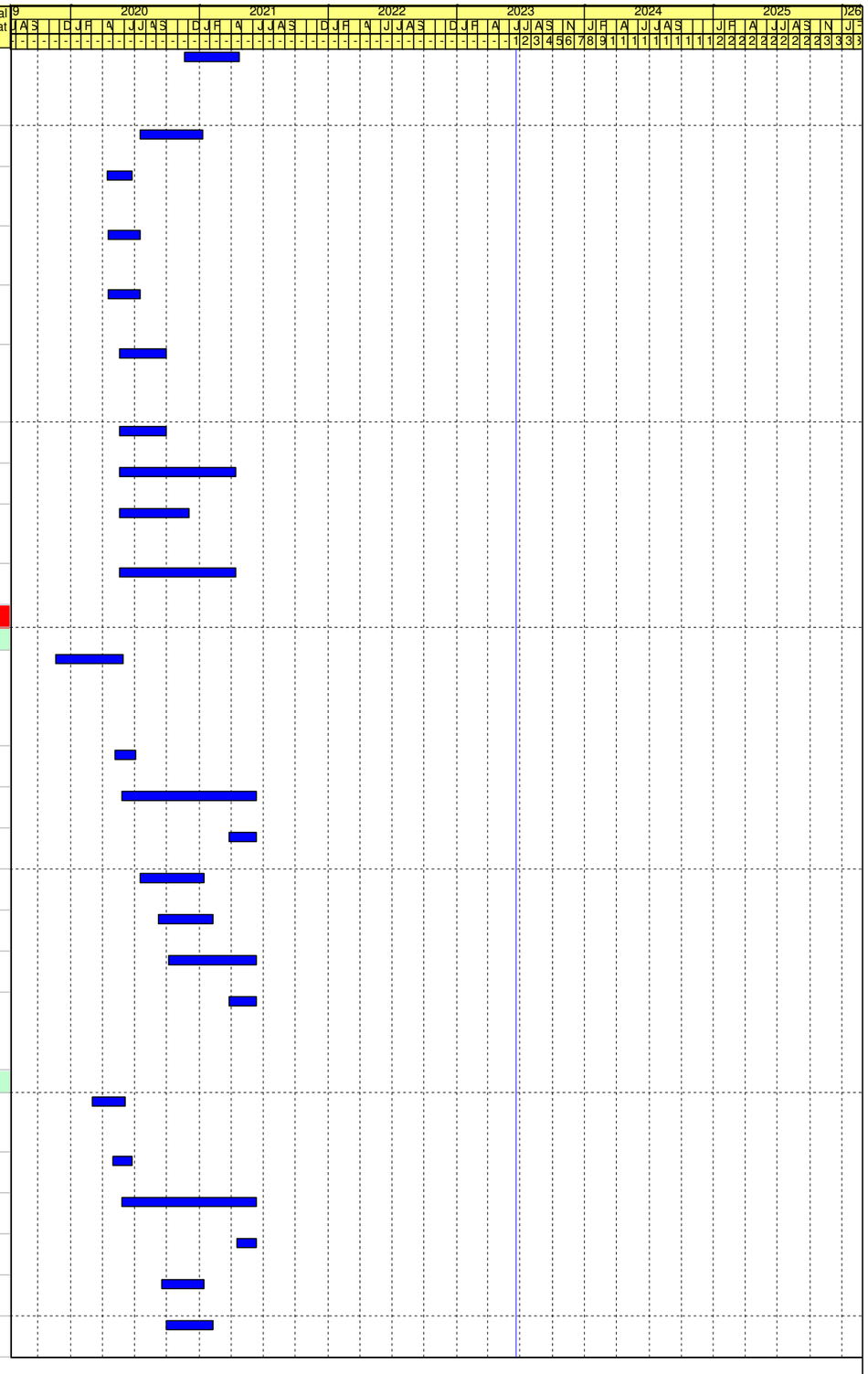
31-May-23	Rev.34	IM/LT	KM
30-Jun-23	Rev.35	IM/LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Successors	Total Float
S2P1130	Procurement & PO for 380V Switchboard (S17)	174	21-Nov-20 A	23-Apr-21 A	24-Aug-22	24-Aug-22	S2P1120, S2D1220	SC21110, S5WS2P1090, S5P1050, S5TXRP1010	
S2P1140	Procurement & PO for Control & Monitoring System (S18)	183	17-Jul-20 A	11-Jan-21 A	11-Feb-23	11-Feb-23	PL1010, S2P1110	SC21110, S5TXRP1020	
S2P1150	Procurement & PO for DO System (S21)	150	15-Apr-20 A	24-Jun-20 A	09-Feb-23	09-Feb-23	S2P1000	SC21110, S5DOUP1000, S2D1930	
S2P1160	Procurement & PO for Stoplog (S21)	90	18-Apr-20 A	17-Jul-20 A	03-May-23	03-May-23	PL1010, S1P1040	SC21110, S5SASP1010, S2P1170	
S2P1170	Procurement & PO for Penstock (S21)	90	18-Apr-20 A	17-Jul-20 A	03-May-23	03-May-23	PL1010, S2P1160, S1P1050	SC21110, S5SASP1020	
S2P1180	Procurement & PO for Sewage Pump (S21)	120	18-May-20 A	30-Sep-20 A	16-Mar-23	16-Mar-23	S2P1020	SC21110, S5SPSP1000, S2D1940, S2P1200	
S2P1190	Procurement & PO for Process Water Pump (S21)	120	18-May-20 A	30-Sep-20 A	14-May-25	14-May-25	S2P1090	SC21110, S2D1950	
S2P1200	Procurement & PO for External Sludge Transfer Pump (S21)	348	18-May-20 A	14-Apr-21 A	08-May-23	08-May-23	S2P1180	SC21110, S2D1960	
S2P1210	Procurement & PO for THP Cooling Pump (S21)	150	18-May-20 A	04-Dec-20 A	08-May-23	08-May-23	S2P1020	SC21110, S5TCWP1000, S2D1970	
S2P1220	Procurement & PO for Temporary Primary Sludge Pump (S21)	348	18-May-20 A	14-Apr-21 A	20-Dec-22	20-Dec-22	PL1010, S2P1100	SC21110, S5ECHP1000	
Design & Submission		860	20-Nov-19 A	11-Jun-21 A	10-Aug-22	14-May-25			
General Arrangement Drawings		715	20-Nov-19 A	11-Jun-21 A	24-Aug-22	14-May-25			
S2D1000	Prepare & Submit General Arrangement Drawings (from formation level up to +8mPD)	180	20-Nov-19 A	29-May-20 A	24-Aug-22	24-Aug-22	PL1010	S2D1010, S2D1080, S2D1160, S2D1040, S2D1340	
S2D1010	Review & Comment on General Arrangement Drawings by PM (from formation level up to +8mPD)	21	07-May-20 A	02-Jul-20 A	14-May-25	14-May-25	S2D1000	S2D1020	
S2D1020	Revise & Re-submit General Arrangement Drawings (from formation level up to +8mPD)	381	26-May-20 A	10-Jun-21 A	14-May-25	14-May-25	S2D1010	S2D1030	
S2D1030	Review & Accept of General Arrangement Drawings by PM (from formation level up to +8mPD)	77	26-Mar-21 A	11-Jun-21 A	14-May-25	14-May-25	S2D1020	SC21110	
S2D1040	Prepare & Submit General Arrangement Drawings (remaining)	177	17-Jul-20 A	15-Jan-21 A	24-Aug-22	24-Aug-22	PL1010, S2D1000	S2D1050, S2D1120	
S2D1050	Review & Comment on General Arrangement Drawings by PM (remaining)	21	05-Sep-20 A	08-Feb-21 A	24-Aug-22	24-Aug-22	S2D1040	S2D1060	
S2D1060	Revise & Re-submit General Arrangement Drawings (remaining)	248	06-Oct-20 A	10-Jun-21 A	24-Aug-22	24-Aug-22	S2D1050	S2D1070	
S2D1070	Review & Accept of General Arrangement Drawings by PM (remaining)	77	26-Mar-21 A	11-Jun-21 A	24-Aug-22	24-Aug-22	S2D1060	SC21110, S5S1060, S5P1010, S5S1050	
Civil & Dimensional / Tolerance Requirement Drawings		522	04-Mar-20 A	11-Jun-21 A	02-Oct-22	14-May-25			
S2D1080	Prepare & Submit Civil Requirement Drawings (from formation level up to +8mPD) -KD2A	90	04-Mar-20 A	04-Jun-20 A	02-Oct-22	02-Oct-22	S2D1000	S2D1090, S2D1660, KD1010	
S2D1090	Review & Comment on Civil Requirement Drawings by PM (from formation level up to +8mPD)	21	30-Apr-20 A	23-Jun-20 A	02-Oct-22	02-Oct-22	S2D1080	S2D1100	
S2D1100	Revise & Re-submit Civil Requirement Drawings (from formation level up to +8mPD)	381	26-May-20 A	10-Jun-21 A	02-Oct-22	02-Oct-22	S2D1090	S2D1110	
S2D1110	Review & Accept of Civil Requirement Drawings by PM (from formation level up to +8mPD)	55	17-Apr-21 A	11-Jun-21 A	02-Oct-22	02-Oct-22	S2D1100	SC21110, AD1120	
S2D1120	Prepare & Submit Civil Requirement Drawings (remaining) -KD2B	120	15-Sep-20 A	15-Jan-21 A	14-May-25	14-May-25	S2D1040	S2D1130, KD1020	
S2D1130	Review & Comment on Civil Requirement Drawings by PM (remaining)	21	28-Sep-20 A	08-Feb-21 A	14-May-25	14-May-25	S2D1120	S2D1140	



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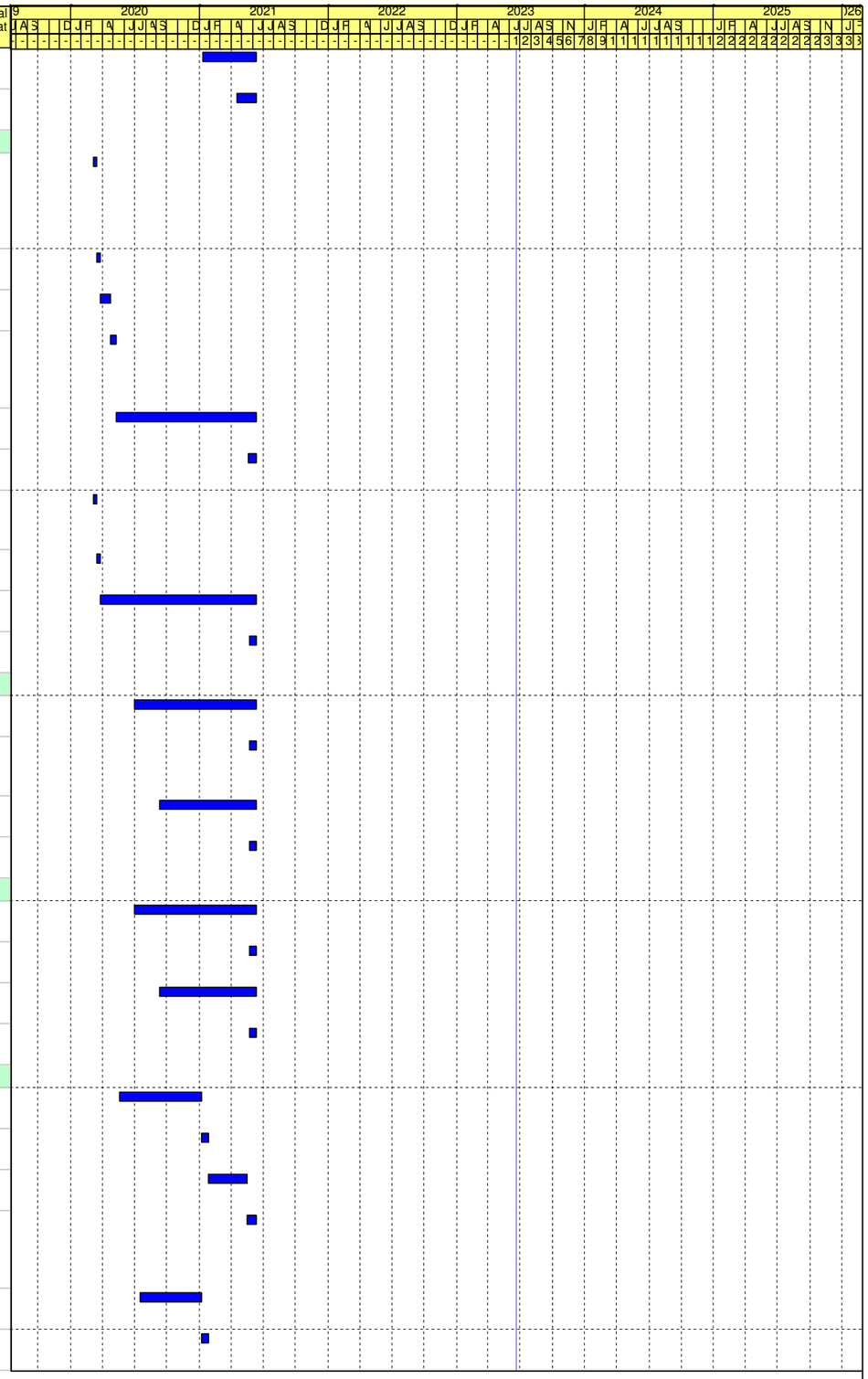
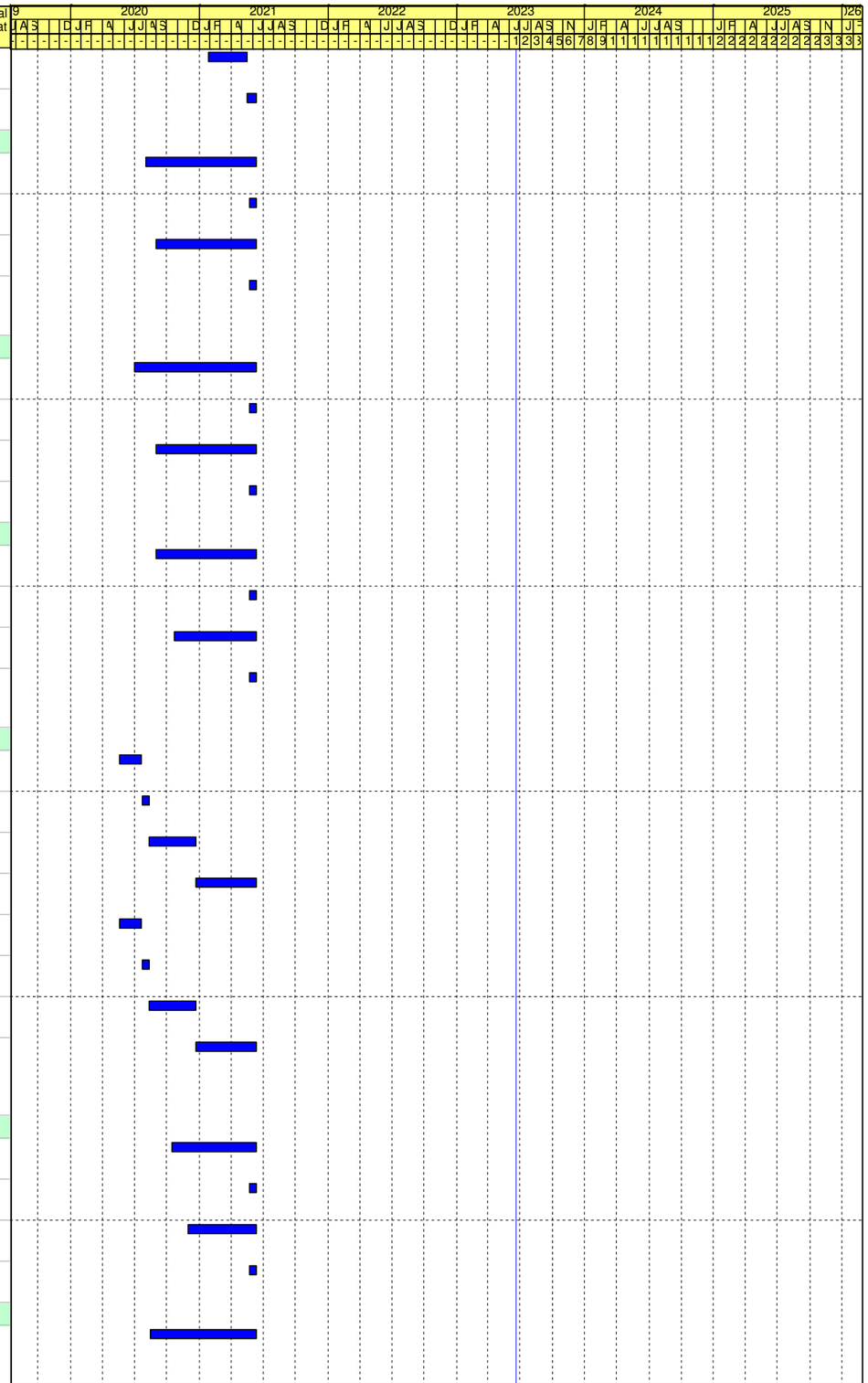
S2D1140	Revise & Re-submit Civil Requirement Drawings (remaining)	150	12-Jan-21 A	10-Jun-21 A	14-May-25	14-May-25	S2D1130	S2D1150	
S2D1150	Review & Accept of Civil Requirement Drawings by PM (remaining)	55	17-Apr-21 A	11-Jun-21 A	14-May-25	14-May-25	S2D1140	SC21110	
Electrical Schematic Drawings		754	05-Mar-20 A	11-Jun-21 A	24-Aug-22	14-May-25			
S2D1160	Prepare & Elec. Schematic Drawings (from formation level up to +8mPD) -KD2A	90	05-Mar-20 A	16-Mar-20 A	24-Aug-22	24-Aug-22	S2D1000	S2D1170, S2D1260, S2D1660, KD1010, S2D1220	
S2D1170	Review & Comment on Elec. Schematic Drawings by PM (from formation level up to +8mPD)	21	17-Mar-20 A	24-Mar-20 A	24-Aug-22	24-Aug-22	S2D1160	S2D1180	
S2D1180	Revise & Re-submit Elec. Schematic Drawings (from formation level up to +8mPD)	28	25-Mar-20 A	23-Apr-20 A	24-Aug-22	24-Aug-22	S2D1170	S2D1190, S2D1220	
S2D1190	Review & Comment of Elec. Schematic Drawings by PM (from formation level up to +8mPD)	21	24-Apr-20 A	08-May-20 A	24-Aug-22	24-Aug-22	S2D1180	S2D1250, S5WS2P1090, S2D1220, S2D1200	
S2D1200	Revise & Re-submit Elec. Schematic Drawings (from formation level up to +8mPD)	398	09-May-20 A	10-Jun-21 A	14-May-25	14-May-25	S2D1190	S2D1210	
S2D1210	Review & Accept of Elec. Schematic Drawings by PM (from formation level up to +8mPD)	21	21-May-21 A	11-Jun-21 A	14-May-25	14-May-25	S2D1200	SC21110	
S2D1220	Prepare & Submit Elec. Schematic Drawings (remaining) -KD2B	120	05-Mar-20 A	16-Mar-20 A	24-Aug-22	24-Aug-22	S2D1160, S2D1180, S2D1190	S2D1230, KD1020, S2P1130	
S2D1230	Review & Comment on Elec. Schematic Drawings by PM (remaining)	21	17-Mar-20 A	24-Mar-20 A	31-Oct-23	31-Oct-23	S2D1220	S2D1240	
S2D1240	Revise & Re-submit Elec. Schematic Drawings (remaining)	443	25-Mar-20 A	10-Jun-21 A	31-Oct-23	31-Oct-23	S2D1230	S2D1250	
S2D1250	Review & Accept of Elec. Schematic Drawings by PM (remaining)	21	24-May-21 A	11-Jun-21 A	31-Oct-23	31-Oct-23	S2D1240, S2D1190	SC21110, S5WS2P1090	
Sludge Screening (SSc)		357	02-Jul-20 A	11-Jun-21 A	18-Oct-22	17-Sep-23			
S2D1260	Prepare & Submit Wiring Dwgs, Cable Schedule & Design Cal.	344	02-Jul-20 A	10-Jun-21 A	18-Oct-22	18-Oct-22	S2D1160, S2P1000	S2D1270	
S2D1270	Review & Accept on Wiring Dwgs, Cable Schedule & Design Cal.	21	24-May-21 A	11-Jun-21 A	18-Oct-22	18-Oct-22	S2D1260	S5WS2P1090, S5P1050, SC21110	
S2D1280	Prepare & Submit the Schedule, Design Cal. & Fixing Details of Equipment	274	10-Sep-20 A	10-Jun-21 A	17-Sep-23	17-Sep-23		S2D1290	
S2D1290	Review & Accept on the Schedule, Design Cal. & Fixing Details of Equipment	21	24-May-21 A	11-Jun-21 A	17-Sep-23	17-Sep-23	S2D1280	SC21110, PL1490	
Sludge Thickening (STh)		357	02-Jul-20 A	11-Jun-21 A	18-Oct-22	17-Sep-23			
S2D1300	Prepare & Submit Wiring Dwgs, Cable Schedule & Design Cal.	344	02-Jul-20 A	10-Jun-21 A	18-Oct-22	18-Oct-22	S2P1010	S2D1310	
S2D1310	Review & Accept on Wiring Dwgs, Cable Schedule & Design Cal.	21	24-May-21 A	11-Jun-21 A	18-Oct-22	18-Oct-22	S2D1300	SC21110, S5P1050	
S2D1320	Prepare & Submit the Schedule, Design Cal. & Fixing Details of Equipment	274	10-Sep-20 A	10-Jun-21 A	17-Sep-23	17-Sep-23		S2D1330	
S2D1330	Review & Accept on the Schedule, Design Cal. & Fixing Details of Equipment	21	24-May-21 A	11-Jun-21 A	17-Sep-23	17-Sep-23	S2D1320	SC21110, PL1490	
Thermal Hydrolysis Process (THP)		416	18-May-20 A	11-Jun-21 A	18-Oct-22	04-Nov-22			
S2D1340	Prepare & Submit Wiring Dwgs, Cable Schedule & Design Cal.	241	18-May-20 A	07-Jan-21 A	18-Oct-22	18-Oct-22	S2P1040, S2D1000	S2D1350, S2D1970	
S2D1350	Review & Comment on Wiring Dwgs, Cable Schedule & Design Cal.	21	08-Jan-21 A	27-Jan-21 A	18-Oct-22	18-Oct-22	S2D1340	S2D1360	
S2D1360	Revise & Re-submit Wiring Dwgs, Cable Schedule & Design Cal.	117	28-Jan-21 A	17-May-21 A	18-Oct-22	18-Oct-22	S2D1350	S2D1370	
S2D1370	Review & Accept of Wiring Dwgs, Cable Schedule & Design Cal.	24	18-May-21 A	11-Jun-21 A	18-Oct-22	18-Oct-22	S2D1360	SC21110, S5THPP1000, S5TCWP1000, S5P1050	
S2D1380	Prepare & Submit the Schedule, Design Cal. & Fixing Details of Equipment	180	17-Jul-20 A	07-Jan-21 A	04-Nov-22	04-Nov-22		S2D1390	
S2D1390	Review & Comment on the Schedule, Design Cal. & Fixing Details of Equipment	21	08-Jan-21 A	27-Jan-21 A	04-Nov-22	04-Nov-22	S2D1380	S2D1400	



Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Successors	Total Float
S2D1400	Revise & Re-submit the Schedule, Design Cal. & Fixing Details of Equipment	117	28-Jan-21 A	17-May-21 A	04-Nov-22	04-Nov-22	S2D1390	S2D1410	
S2D1410	Review & Accept of the Schedule, Design Cal. & Fixing Details of Equipment	24	18-May-21 A	11-Jun-21 A	04-Nov-22	04-Nov-22	S2D1400	S5THPP1000, SC21110	
Sludge Digestion (SDi)		325	01-Aug-20 A	11-Jun-21 A	10-Aug-22	18-Oct-22			
S2D1420	Prepare & Submit Wiring Dwgs, Cable Schedule & Design Cal.	314	01-Aug-20 A	10-Jun-21 A	18-Oct-22	18-Oct-22	S2P1020	S2D1430	
S2D1430	Review & Accept on Wiring Dwgs, Cable Schedule & Design Cal.	21	24-May-21 A	11-Jun-21 A	18-Oct-22	18-Oct-22	S2D1420	SC21110, S5P1050	
S2D1440	Prepare & Submit the Schedule, Design Cal. & Fixing Details of Equipment	284	31-Aug-20 A	10-Jun-21 A	10-Aug-22	10-Aug-22		S2D1450	
S2D1450	Review & Accept on the Schedule, Design Cal. & Fixing Details of Equipment	21	24-May-21 A	11-Jun-21 A	10-Aug-22	10-Aug-22	S2D1440	S5DIGP1000, SC21110, PL1490	
Sludge Dewatering (SDe)		357	02-Jul-20 A	11-Jun-21 A	18-Oct-22	17-Sep-23			
S2D1460	Prepare & Submit Wiring Dwgs, Cable Schedule & Design Cal.	344	02-Jul-20 A	10-Jun-21 A	18-Oct-22	18-Oct-22	S2P1030	S2D1470	
S2D1470	Review & Accept on Wiring Dwgs, Cable Schedule & Design Cal.	21	24-May-21 A	11-Jun-21 A	18-Oct-22	18-Oct-22	S2D1460	SC21110, S5P1050	
S2D1480	Prepare & Submit the Schedule, Design Cal. & Fixing Details of Equipment	284	31-Aug-20 A	10-Jun-21 A	17-Sep-23	17-Sep-23		S2D1490	
S2D1490	Review & Accept on the Schedule, Design Cal. & Fixing Details of Equipment	21	24-May-21 A	11-Jun-21 A	17-Sep-23	17-Sep-23	S2D1480	SC21110, PL1490	
Biogas Storage & Pre-Treatment (BSPT)		295	31-Aug-20 A	11-Jun-21 A	18-Oct-22	03-Nov-22			
S2D1500	Prepare & Submit Wiring Dwgs, Cable Schedule & Design Cal.	284	31-Aug-20 A	10-Jun-21 A	18-Oct-22	18-Oct-22	S2P1060, S2P1050	S2D1510	
S2D1510	Review & Accept on Wiring Dwgs, Cable Schedule & Design Cal.	21	24-May-21 A	11-Jun-21 A	18-Oct-22	18-Oct-22	S2D1500	SC21110, S5P1050	
S2D1520	Prepare & Submit the Schedule, Design Cal. & Fixing Details of Equipment	232	22-Oct-20 A	10-Jun-21 A	03-Nov-22	03-Nov-22		S2D1530	
S2D1530	Review & Accept on the Schedule, Design Cal. & Fixing Details of Equipment	21	24-May-21 A	11-Jun-21 A	03-Nov-22	03-Nov-22	S2D1520	S5BIOP1010, S5H2SP1000, SC21110	
Combined Heat & Power Generation (CHP)		512	18-May-20 A	11-Jun-21 A	02-Oct-22	18-Oct-22			
S2D1540	Prepare & Submit Wiring Dwgs, Cable Schedule & Design Cal.	233	18-May-20 A	21-Jul-20 A	18-Oct-22	18-Oct-22	S2P1070	S2D1550	
S2D1550	Review & Comment on Wiring Dwgs, Cable Schedule & Design Cal.	21	22-Jul-20 A	11-Aug-20 A	18-Oct-22	18-Oct-22	S2D1540	S2D1560, S2D1870	
S2D1560	Revise & Re-submit Wiring Dwgs, Cable Schedule & Design Cal.	28	12-Aug-20 A	21-Dec-20 A	18-Oct-22	18-Oct-22	S2D1550	S2D1570	
S2D1570	Review & Accept of Wiring Dwgs, Cable Schedule & Design Cal.	171	22-Dec-20 A	11-Jun-21 A	18-Oct-22	18-Oct-22	S2D1560	SC21110, S5P1050	
S2D1580	Prepare & Submit the Schedule, Design Cal. & Fixing Details of Equipment	180	18-May-20 A	21-Jul-20 A	02-Oct-22	02-Oct-22		S2D1590	
S2D1590	Review & Comment on the Schedule, Design Cal. & Fixing Details of Equipment	21	22-Jul-20 A	11-Aug-20 A	02-Oct-22	02-Oct-22	S2D1580	S2D1600	
S2D1600	Revise & Re-submit the Schedule, Design Cal. & Fixing Details of Equipment	28	12-Aug-20 A	21-Dec-20 A	02-Oct-22	02-Oct-22	S2D1590	S2D1610	
S2D1610	Review & Accept of the Schedule, Design Cal. & Fixing Details of Equipment	171	22-Dec-20 A	11-Jun-21 A	02-Oct-22	02-Oct-22	S2D1600	S5CHPP1010, SC21110, S5S1020, PL1530	
Waste Gas Burning System (WGB)		264	15-Oct-20 A	11-Jun-21 A	18-Oct-22	12-Mar-23			
S2D1620	Prepare & Submit Wiring Dwgs, Cable Schedule & Design Cal.	239	15-Oct-20 A	10-Jun-21 A	18-Oct-22	18-Oct-22		S2D1630	
S2D1630	Review & Accept on Wiring Dwgs, Cable Schedule & Design Cal.	21	24-May-21 A	11-Jun-21 A	18-Oct-22	18-Oct-22	S2D1620	SC21110, S5P1050	
S2D1640	Prepare & Submit the Schedule, Design Cal. & Fixing Details of Equipment	194	29-Nov-20 A	10-Jun-21 A	12-Mar-23	12-Mar-23		S2D1650	
S2D1650	Review & Accept on the Schedule, Design Cal. & Fixing Details of Equipment	21	24-May-21 A	11-Jun-21 A	12-Mar-23	12-Mar-23	S2D1640	S5WGBP1000, SC21110	
Plant Service Water System (PSW)		325	16-Aug-20 A	11-Jun-21 A	18-Oct-22	10-Dec-22			
S2D1660	Prepare & Submit Wiring Dwgs, Cable Schedule & Design Cal.	299	16-Aug-20 A	10-Jun-21 A	18-Oct-22	18-Oct-22	S2D1080, S2D1160, S2P1090	S2D1670	



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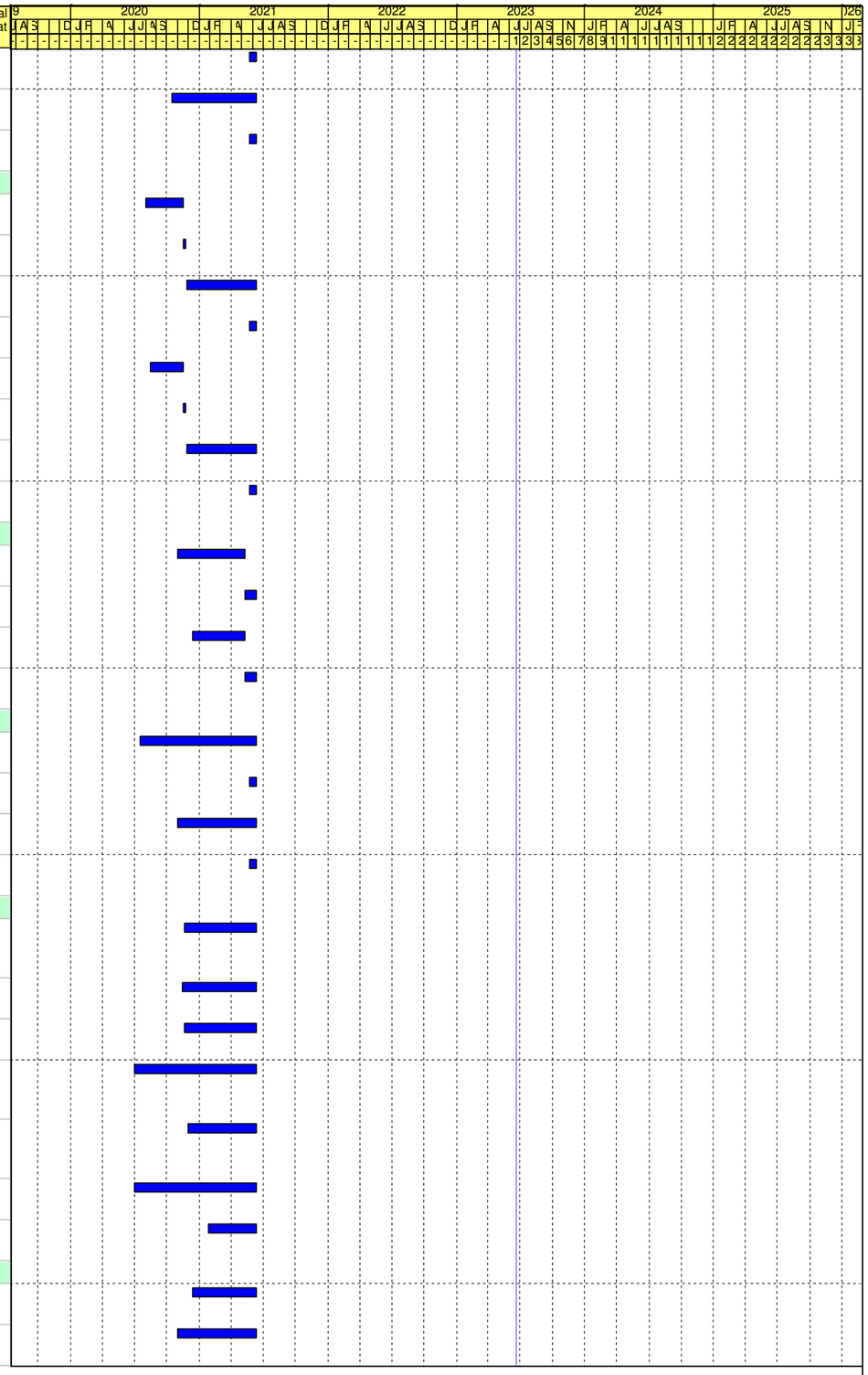
30-Jun-23	Rev.35	IM/LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Successors	Total Float
S2D1670	Review & Accept on Wiring Dwgs, Cable Schedule & Design Cal.	21	24-May-21 A	11-Jun-21 A	18-Oct-22	18-Oct-22	S2D1660	SC21110, S5P1050	
S2D1680	Prepare & Submit the Schedule, Design Cal. & Fixing Details of Equipment	239	15-Oct-20 A	10-Jun-21 A	10-Dec-22	10-Dec-22		S2D1690	
S2D1690	Review & Comment on the Schedule, Design Cal. & Fixing Details of Equipment	21	24-May-21 A	11-Jun-21 A	10-Dec-22	10-Dec-22	S2D1680	S5PSWP1000, SC21110	
Surplus Activated Sludge Pumping Station (SAS)		440	01-Aug-20 A	11-Jun-21 A	19-Apr-23	14-May-25			
S2D1700	Prepare & Submit Wiring Dwgs, Cable Schedule & Design Cal.	202	01-Aug-20 A	17-Nov-20 A	14-May-25	14-May-25	S2P1100	S2D1710	
S2D1710	Review & Comment on Wiring Dwgs, Cable Schedule & Design Cal.	21	18-Nov-20 A	24-Nov-20 A	14-May-25	14-May-25	S2D1700	S2D1720	
S2D1720	Revise & Re-submit Wiring Dwgs, Cable Schedule & Design Cal.	198	25-Nov-20 A	10-Jun-21 A	14-May-25	14-May-25	S2D1710	S2D1730	
S2D1730	Review & Accept of Wiring Dwgs, Cable Schedule & Design Cal.	21	24-May-21 A	11-Jun-21 A	14-May-25	14-May-25	S2D1720	SC21110	
S2D1740	Prepare & Submit the Schedule, Design Cal. & Fixing Details of Equipment	183	16-Aug-20 A	17-Nov-20 A	19-Apr-23	19-Apr-23		S2D1750	
S2D1750	Review & Comment on the Schedule, Design Cal. & Fixing Details of Equipment	21	18-Nov-20 A	24-Nov-20 A	19-Apr-23	19-Apr-23	S2D1740	S2D1760	
S2D1760	Revise & Re-submit the Schedule, Design Cal. & Fixing Details of Equipment	198	25-Nov-20 A	10-Jun-21 A	19-Apr-23	19-Apr-23	S2D1750	S2D1770	
S2D1770	Review & Accept of the Schedule, Design Cal. & Fixing Details of Equipment	21	24-May-21 A	11-Jun-21 A	19-Apr-23	19-Apr-23	S2D1760	S5SASP1000, SC21110	
Control and Monitoring System		211	30-Oct-20 A	11-Jun-21 A	14-May-25	14-May-25			
S2D1780	Prepare & Submit Wiring Dwgs, Cable Schedule & Design Cal.	193	30-Oct-20 A	11-May-21 A	14-May-25	14-May-25		S2D1790	
S2D1790	Review & Accept on Wiring Dwgs, Cable Schedule & Design Cal.	30	12-May-21 A	11-Jun-21 A	14-May-25	14-May-25	S2D1780	SC21110	
S2D1800	Prepare & Submit the Schedule, Design Cal. & Fixing Details of Equipment	148	14-Dec-20 A	11-May-21 A	14-May-25	14-May-25		S2D1810	
S2D1810	Review & Accept on the Schedule, Design Cal. & Fixing Details of Equipment	30	12-May-21 A	11-Jun-21 A	14-May-25	14-May-25	S2D1800	SC21110	
Lifting Appliances		358	17-Jul-20 A	11-Jun-21 A	14-May-25	14-May-25			
S2D1820	Prepare & Submit Wiring Dwgs, Cable Schedule & Design Cal.	329	17-Jul-20 A	10-Jun-21 A	14-May-25	14-May-25		S2D1830	
S2D1830	Review & Accept on Wiring Dwgs, Cable Schedule & Design Cal.	21	24-May-21 A	11-Jun-21 A	14-May-25	14-May-25	S2D1820	SC21110	
S2D1840	Prepare & Submit the Schedule, Design Cal. & Fixing Details of Equipment	224	30-Oct-20 A	10-Jun-21 A	14-May-25	14-May-25		S2D1850	
S2D1850	Review & Acceptt on the Schedule, Design Cal. & Fixing Details of Equipment	21	24-May-21 A	11-Jun-21 A	14-May-25	14-May-25	S2D1840	SC21110	
Building Services		357	02-Jul-20 A	11-Jun-21 A	29-Sep-22	14-May-25			
S2D1860	Submit & Accept BS Works Design & Dwgs for Sludge Dewatering Building	202	21-Nov-20 A	11-Jun-21 A	29-Sep-22	29-Sep-22		SC21110, S5S1010, S5S1120	
S2D1870	Submit & Accept BS Works Design & Dwgs for CHP Building	209	14-Nov-20 A	11-Jun-21 A	26-Jul-23	26-Jul-23	S2D1550	SC21110, S5S1120	
S2D1880	Submit & Accept BS Works Design & Dwgs for Sludge Digester & Distribution Chamber	202	21-Nov-20 A	11-Jun-21 A	26-Jul-23	26-Jul-23		SC21110, S5S1120	
S2D1890	Submit & Accept BS Works Design & Dwgs for Workshop No. 2	344	02-Jul-20 A	11-Jun-21 A	02-Oct-22	02-Oct-22		SC21110, S5S1030, S5S1120	
S2D1900	Submit & Accept BS Works Design & Dwgs for Other Facilities	194	29-Nov-20 A	11-Jun-21 A	26-Jul-23	26-Jul-23		S2D1920, SC21110, S5S1120	
S2D1910	Submit & Accept BS Works Design & Dwgs for FS Installation	344	02-Jul-20 A	11-Jun-21 A	26-Jul-23	26-Jul-23		SC21110, S5S1120	
S2D1920	Submit & Accept BS Works Design & Dwgs for Outdoor Lighting Installation	134	28-Jan-21 A	11-Jun-21 A	14-May-25	14-May-25	S2D1900	SC21110	
Miscellaneous		264	05-Oct-20 A	11-Jun-21 A	26-Oct-22	14-May-25			
S2D1930	Submit & Accept Design & Dwgs for DO System	179	14-Dec-20 A	11-Jun-21 A	09-Feb-23	09-Feb-23	S2P1150, PL1020	S5DOUP1000, SC21110	
S2D1940	Submit & Accept Design & Dwgs for Sewage Pumping Station	224	30-Oct-20 A	11-Jun-21 A	16-Mar-23	16-Mar-23	S2P1180	S5SPSP1000, SC21110	



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Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
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28-Feb-23	Rev.31	IM/LT	KM
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31-May-23	Rev.34	IM/LT	KM
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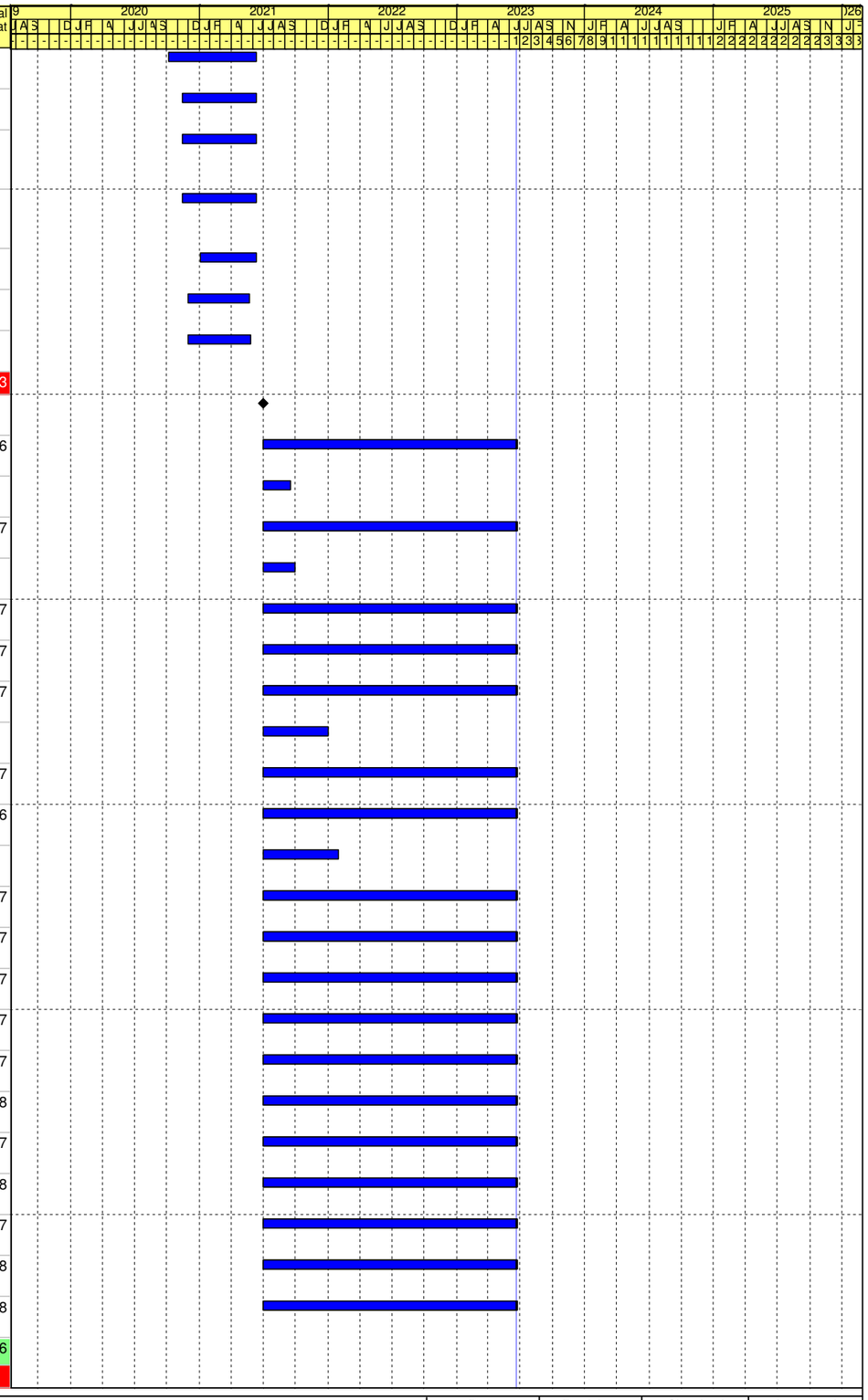
Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Successors	Total Float
S2D1950	Submit & Accept Design & Dwgs for Process Water Pumping System	249	05-Oct-20 A	11-Jun-21 A	14-May-25	14-May-25	S2P1190	SC21110	
S2D1960	Submit & Accept Design & Dwgs for External Sludge Transfer Pumping System	209	14-Nov-20 A	11-Jun-21 A	08-May-23	08-May-23	S2P1200	S2D1970, SC21110	
S2D1970	Submit & Accept Design & Dwgs for THP Cooling Water Pumping Station	209	14-Nov-20 A	10-Jun-21 A	08-May-23	08-May-23	S2D1340, S2D1960, S2P1210	S5TCWP1000, SC21110	
S2D1980	Submit & Accept Design & Dwgs for Ferric Chloride Dosing System	209	14-Nov-20 A	11-Jun-21 A	15-Nov-22	15-Nov-22		S5FCDP1000, S5FCDP1010, SC21110	
S2D1990	Submit & Accept Design & Dwgs for Temporary Primary Sludge Pumping Facility	158	04-Jan-21 A	11-Jun-21 A	20-Dec-22	20-Dec-22	PL1020	S5ECHP1000, SC21110	
S2D2000	Submit & Accept Design & Dwgs for Gas Detection System	194	29-Nov-20 A	24-May-21 A	26-Oct-22	26-Oct-22		SC21110, S5CHPP1040	
S2D2010	Submit & Accept Design & Dwgs for CCTV System	194	29-Nov-20 A	26-May-21 A	14-May-25	14-May-25		SC21110	
Outstanding Works		334	02-Jul-21 A	21-Jun-23	31-Oct-21	14-May-25			693
S2D2020	Certifiate of Completion - Section 2 of the works (Ref: RCYK:ccm:60427128/92-2021004626w)	0	02-Jul-21 A						
S2D2030	Provide ICE Certificate for all design, calculations, drawings, plans & relevant documents	334	02-Jul-21 A	21-Jun-23*	31-May-22	31-May-22			-386
S2D2040	Submit finalized design calculations, drawings & material submissions for BS systems (Workshop No.2)	76	02-Jul-21 A	15-Sep-21 A	14-May-25	14-May-25			
S2D2050	Submit finalized design calculations, drawings & material submissions for BS systems (except Workshop No.2)	303	02-Jul-21 A	21-Jun-23*	30-Apr-22	30-Apr-22			-417
S2D2060	Submit finalized sizing calculations for the actuators and stems for penstocks	91	02-Jul-21 A	30-Sep-21 A	14-May-25	14-May-25			
S2D2070	Submit finalized cable schedules & sizing calculation (LV System)	294	02-Jul-21 A	21-Jun-23*	31-Dec-21	31-Dec-21			-537
S2D2080	Submit finalized pumps and associated motor and VSD calculations	294	02-Jul-21 A	21-Jun-23*	31-Dec-21	31-Dec-21			-537
S2D2090	Submit finalized electrical loads to verify the rating of the switchgears, transformers and protective devices	294	02-Jul-21 A	21-Jun-23*	31-Dec-21	31-Dec-21			-537
S2D2100	Submit finalized material submissions of the cables, cable tray, ladder and accessories	294	02-Jul-21 A	31-Dec-21 A	14-May-25	14-May-25			
S2D2110	Submit finalized cable route drawings	294	02-Jul-21 A	21-Jun-23*	31-Dec-21	31-Dec-21			-537
S2D2120	Submit finalized layout and control wiring diagrams for switchboard, MCC, control panel, etc	294	02-Jul-21 A	21-Jun-23*	31-Jan-22	31-Jan-22			-506
S2D2130	Submit finalized design submissions of the CHP system	294	02-Jul-21 A	31-Jan-22 A	14-May-25	14-May-25			
S2D2140	Submit finalized interlock devices for electrical equipment and system	303	02-Jul-21 A	21-Jun-23*	30-Apr-22	30-Apr-22			-417
S2D2150	Submit finalized calculations for total harmonic distortion, electrical faults and touch voltage	303	02-Jul-21 A	21-Jun-23*	30-Apr-22	30-Apr-22			-417
S2D2160	Submit finalized design calculations, drawings & material submissions for ELV systems	294	02-Jul-21 A	21-Jun-23*	31-Dec-21	31-Dec-21			-537
S2D2170	Submit finalized design submissions of SCADA, PMS, CMMS, IDMS, UPS for FCS	294	02-Jul-21 A	21-Jun-23*	31-Dec-21	31-Dec-21			-537
S2D2180	Submit finalized configuration of SCADA / PLC system, CMMS & PMS	294	02-Jul-21 A	21-Jun-23*	31-Dec-21	31-Dec-21			-537
S2D2190	Submit finalized PLC and MCC panel design	294	02-Jul-21 A	21-Jun-23*	28-Feb-22	28-Feb-22			-478
S2D2200	Submit finalized design & philosophy of the process instrument	294	02-Jul-21 A	21-Jun-23*	31-Dec-21	31-Dec-21			-537
S2D2210	Submit finalized Process Design Submission	152	02-Jul-21 A	21-Jun-23*	30-Nov-21	30-Nov-21			-568
S2D2220	Submit finalized acoustic and noise calculations for all equipment	303	02-Jul-21 A	21-Jun-23*	30-Apr-22	30-Apr-22			-417
S2D2230	Submit finalized design of THP feeding system	122	02-Jul-21 A	21-Jun-23*	31-Oct-21	31-Oct-21			-598
S2D2240	Submit finalized design of the centrifuge discharge system	152	02-Jul-21 A	21-Jun-23*	30-Nov-21	30-Nov-21			-568
Section 3 - Complete Design, Construction & T&C for Sidestream Facili		1977	20-Nov-19 A	18-Apr-25	17-Sep-22	14-May-25			26
Major Subcontractor / Supplier Procurement		633	20-Nov-19 A	06-Sep-21 A	27-Feb-23	14-May-25			



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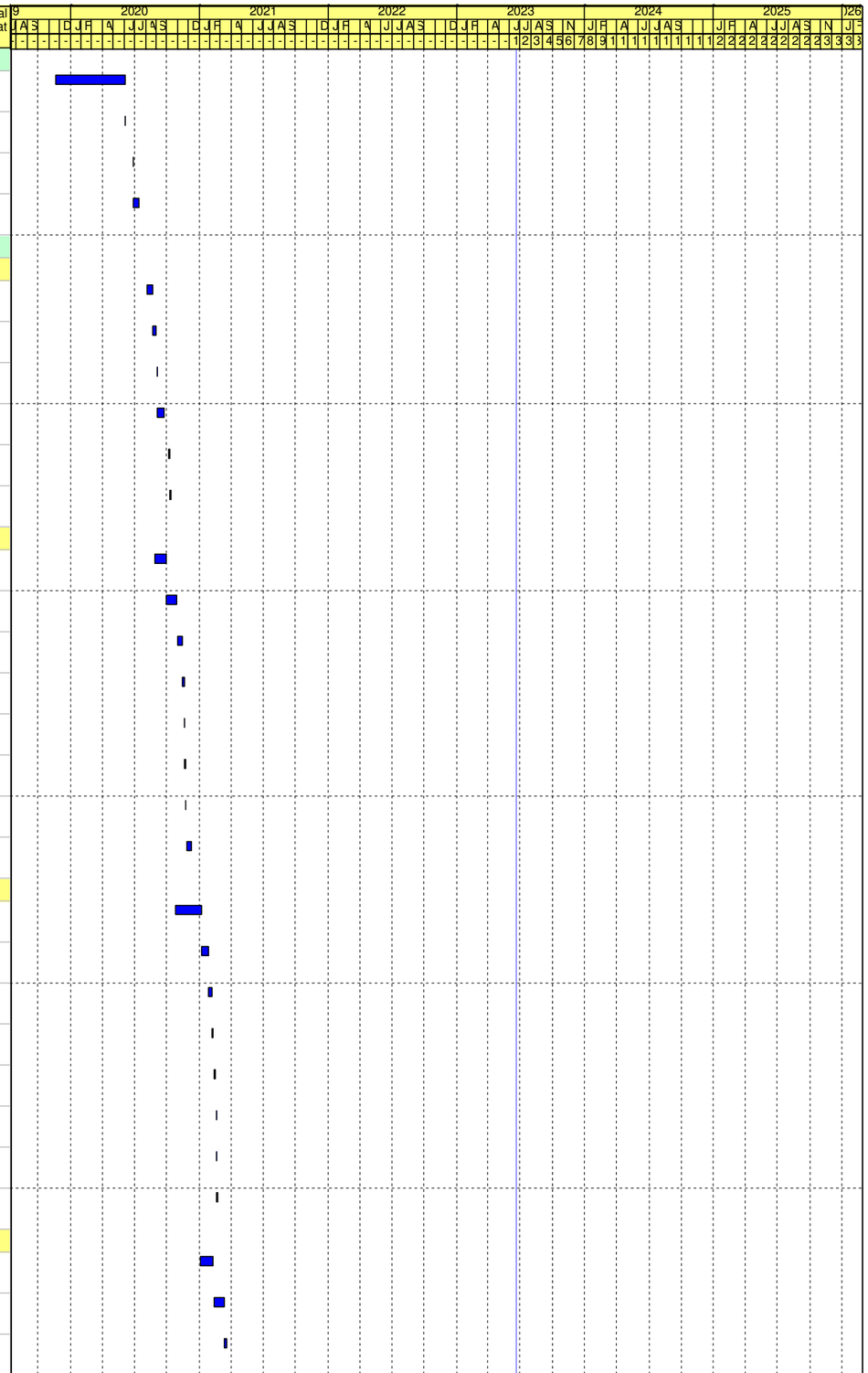
Design		320	20-Nov-19 A	12-Jul-20 A	27-Feb-23	14-May-25			
S3P1000	Procurement & PO for Deammonification Sidestream Treatment Facilities	200	20-Nov-19 A	05-Jun-20 A	27-Feb-23	27-Feb-23	CD1010, PL1010	S3D1000, S3D1440	
S3P1010	E&M (Process) Designer Award	1	05-Jun-20 A	05-Jun-20 A	14-May-25	14-May-25			
S3P1020	Civil & BS Designer Award	1	26-Jun-20 A	26-Jun-20 A	14-May-25	14-May-25		S3P1030	
S3P1030	Mobilisation	14	27-Jun-20 A	12-Jul-20 A	14-May-25	14-May-25	S3P1020		
Civil & Building Contractor		327	05-Aug-20 A	06-Sep-21 A	02-Jul-23	02-Jul-23			
For Site Clearance & Survey		36	05-Aug-20 A	12-Oct-20 A	02-Jul-23	02-Jul-23			
S3P1040	Submit Tender proprosal of Civil Contractor (Site Clearance & Survey)	14	05-Aug-20 A	20-Aug-20 A	02-Jul-23	02-Jul-23		S3P1050	
S3P1050	Review & Comment the Tender proprosal of Civil Contractor (Site Clearance & Survey)	14	21-Aug-20 A	01-Sep-20 A	02-Jul-23	02-Jul-23	S3P1040	S3P1060	
S3P1060	Re-submit Tender proprosal of Civil Contractor (Site Clearance & Survey)	14	02-Sep-20 A	02-Sep-20 A	02-Jul-23	02-Jul-23	S3P1050	S3P1070	
S3P1070	Review & Accept Tender proprosal of Civil Contractor (Site Clearance & Survey)	14	03-Sep-20 A	23-Sep-20 A	02-Jul-23	02-Jul-23	S3P1060	S3P1080	
S3P1080	Civil Contractor (Site Clearance & Survey) Award	1	07-Oct-20 A	07-Oct-20 A	02-Jul-23	02-Jul-23	S3P1070	S3P1090	
S3P1090	Mobilisation	5	08-Oct-20 A	12-Oct-20 A	02-Jul-23	02-Jul-23	S3P1080	S3C1010	
For Ground Investigation		98	29-Aug-20 A	08-Dec-20 A	02-Jul-23	02-Jul-23			
S3P1100	Submit Tender proprosal of Civil Contractor (Ground Investigation)	14	29-Aug-20 A	29-Sep-20 A	02-Jul-23	02-Jul-23		S3P1110	
S3P1110	Review & Accept the Tender proprosal of Civil Contractor (Ground Investigation)	21	30-Sep-20 A	27-Oct-20 A	02-Jul-23	02-Jul-23	S3P1100	S3P1120	
S3P1120	Tender Invitation of Civil Contractor (Ground Investigation)	7	02-Nov-20 A	13-Nov-20 A	02-Jul-23	02-Jul-23	S3P1110	S3P1130	
S3P1130	Submission of Tender Report	7	14-Nov-20 A	18-Nov-20 A	02-Jul-23	02-Jul-23	S3P1120	S3P1140	
S3P1140	Review & Accept the Tender Report by PM	21	19-Nov-20 A	19-Nov-20 A	02-Jul-23	02-Jul-23	S3P1130	S3P1150	
S3P1150	Contract Preparation	3	20-Nov-20 A	23-Nov-20 A	02-Jul-23	02-Jul-23	S3P1140	S3P1160	
S3P1160	Civil Contractor (Ground Investigation) Award	1	24-Nov-20 A	24-Nov-20 A	02-Jul-23	02-Jul-23	S3P1150	S3P1170	
S3P1170	Mobilisation	7	25-Nov-20 A	08-Dec-20 A	02-Jul-23	02-Jul-23	S3P1160	S3C1020	
For Pre-drilling & Post-drilling		116	26-Oct-20 A	21-Feb-21 A	02-Jul-23	02-Jul-23			
S3P1180	Submit Tender proprosal of Civil Contractor (Pre-drilling & Post-drilling)	74	26-Oct-20 A	06-Jan-21 A	02-Jul-23	02-Jul-23	S3D1300, S3D1240	S3P1190	
S3P1190	Review & Accept the Tender proprosal of Civil Contractor (Predrill & Proof drill)	21	07-Jan-21 A	27-Jan-21 A	02-Jul-23	02-Jul-23	S3P1180	S3P1200	
S3P1200	Tender Invitation of Civil Contractor (Pre-drilling & Post-drilling)	14	28-Jan-21 A	04-Feb-21 A	02-Jul-23	02-Jul-23	S3P1190	S3P1210	
S3P1210	Submission of Tender Report	4	05-Feb-21 A	10-Feb-21 A	02-Jul-23	02-Jul-23	S3P1200	S3P1220	
S3P1220	Review & Accept the Tender Report by PM	21	11-Feb-21 A	16-Feb-21 A	02-Jul-23	02-Jul-23	S3P1210	S3P1230	
S3P1230	Contract Preparation	3	17-Feb-21 A	17-Feb-21 A	02-Jul-23	02-Jul-23	S3P1220	S3P1240	
S3P1240	Civil Contractor (Pre-drilling & Post-drilling) Award	1	18-Feb-21 A	18-Feb-21 A	02-Jul-23	02-Jul-23	S3P1230	S3P1250	
S3P1250	Mobilisation	3	19-Feb-21 A	21-Feb-21 A	02-Jul-23	02-Jul-23	S3P1240	S3C1030	
For Piling		90	04-Jan-21 A	01-Apr-21 A	02-Jul-23	02-Jul-23			
S3P1260	Submit Tender proprosal of Civil Contractor (Piling)	39	04-Jan-21 A	10-Feb-21 A	02-Jul-23	02-Jul-23		S3P1270	
S3P1270	Review & Accept the Tender proprosal of Civil Contractor (Piling)	25	11-Feb-21 A	12-Mar-21 A	02-Jul-23	02-Jul-23	S3P1260	S3P1280	
S3P1280	Tender Invitation of Civil Contractor (Piling)	14	12-Mar-21 A	19-Mar-21 A	02-Jul-23	02-Jul-23	S3P1270	S3P1290	



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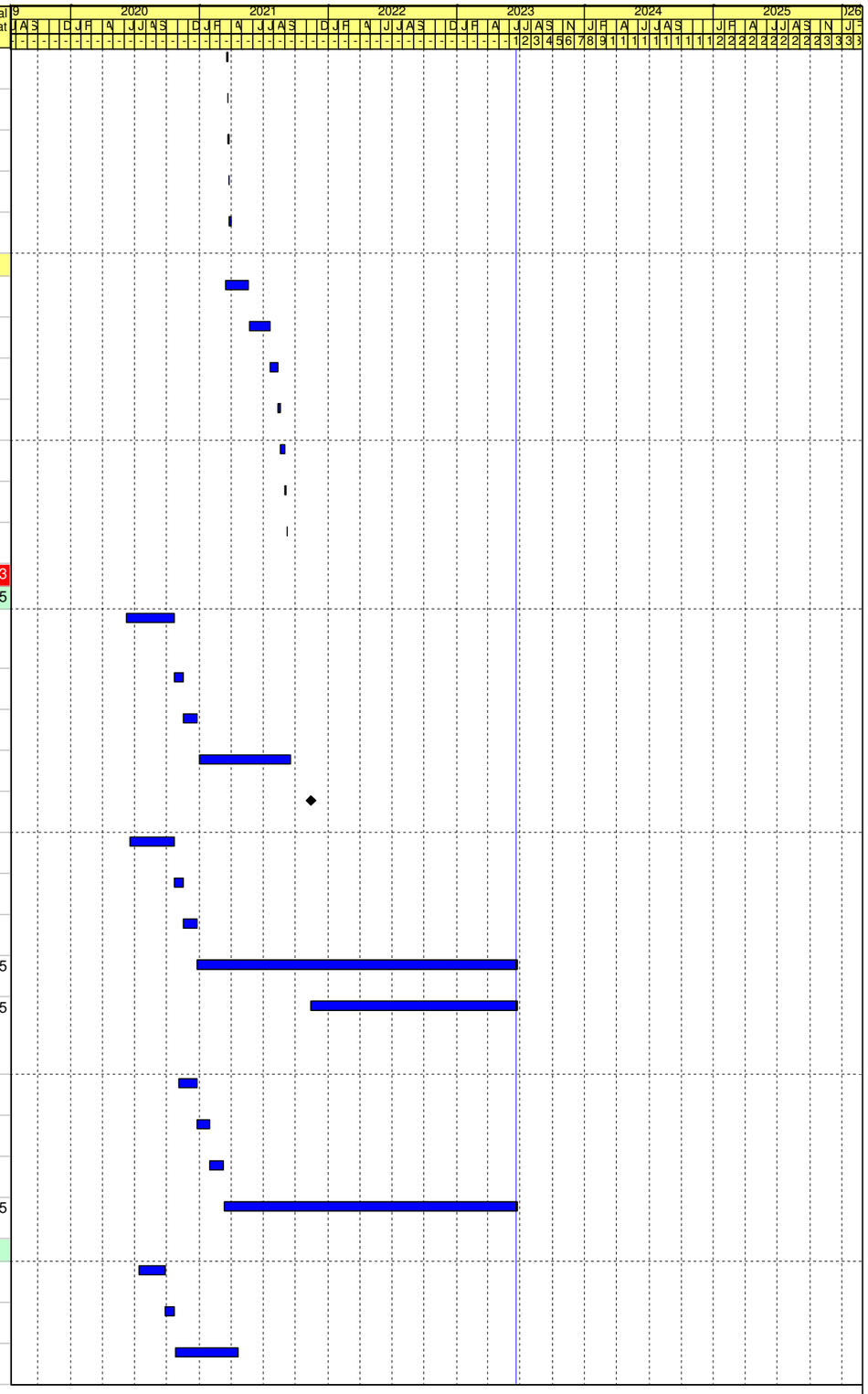
S3P1290	Submission of Tender Report	7	20-Mar-21 A	22-Mar-21 A	02-Jul-23	02-Jul-23	S3P1280	S3P1300	
S3P1300	Review & Accept the Tender Report by PM	21	23-Mar-21 A	23-Mar-21 A	02-Jul-23	02-Jul-23	S3P1290	S3P1310	
S3P1310	Contract Preparation	3	24-Mar-21 A	25-Mar-21 A	02-Jul-23	02-Jul-23	S3P1300	S3P1320	
S3P1320	Civil Contractor (Piling) Award	1	26-Mar-21 A	26-Mar-21 A	02-Jul-23	02-Jul-23	S3P1310	S3P1330	
S3P1330	Mobilisation	3	26-Mar-21 A	01-Apr-21 A	02-Jul-23	02-Jul-23	S3P1320	S3C1030	
For Main Civil Works		146	17-Mar-21 A	06-Sep-21 A	02-Jul-23	02-Jul-23			
S3P1340	Submit Tender proprosal of Civil Contractor (Main Civil Works)	30	17-Mar-21 A	21-May-21 A	02-Jul-23	02-Jul-23		S3P1350	
S3P1350	Review & Accept the Tender proprosal of Civil Contractor (Main Civil Works)	42	22-May-21 A	19-Jul-21 A	02-Jul-23	02-Jul-23	S3P1340	S3P1360	
S3P1360	Tender Invitation of Civil Contractor (Main Civil Works)	14	21-Jul-21 A	11-Aug-21 A	02-Jul-23	02-Jul-23	S3P1350	S3P1370	
S3P1370	Submission of Tender Report	1	12-Aug-21 A	19-Aug-21 A	02-Jul-23	02-Jul-23	S3P1360	S3P1380	
S3P1380	Review & Accept the Tender Report by PM	6	20-Aug-21 A	31-Aug-21 A	02-Jul-23	02-Jul-23	S3P1370	S3P1390	
S3P1390	Contract Preparation	1	01-Sep-21 A	05-Sep-21 A	02-Jul-23	02-Jul-23	S3P1380	S3P1400	
S3P1400	Civil Contractor (Main Civil Works) Award	1	06-Sep-21 A	06-Sep-21 A	02-Jul-23	02-Jul-23	S3P1390	S3D1360, S3C1070	
Design & Submission		1317	07-Jun-20 A	21-Jun-23	17-Sep-22	14-May-25			693
Architectural		1317	07-Jun-20 A	21-Jun-23	16-Jun-23	17-Jun-23			-5
S3D1000	Prepare & Submit Building Layout Plan	60	07-Jun-20 A	21-Oct-20 A	16-Jun-23	16-Jun-23	CD1010, S3P1000	S3D1010, S3D1050, S3D1100	
S3D1010	Review & Comment on Buildingl Layout Plan by PM	67	22-Oct-20 A	17-Nov-20 A	16-Jun-23	16-Jun-23	S3D1000	S3D1020	
S3D1020	Revise & Re-submit Building Layout Plan	28	18-Nov-20 A	24-Dec-20 A	16-Jun-23	16-Jun-23	S3D1010	S3D1030	
S3D1030	Review & Accept of Building Layout Plan by PM	214	01-Jan-21 A	16-Sep-21 A	16-Jun-23	16-Jun-23	S3D1020	S3D1090	
S3D1040	Coordination Meeting with DSD (Employer) for the Architectural Drawing	0		15-Nov-21 A				S3D1090	
S3D1050	Prepare & Submit Architectural Design / Drawings	60	17-Jun-20 A	21-Oct-20 A	16-Jun-23	16-Jun-23	S3D1000	S3D1060	
S3D1060	Review & Comment on Architectural Design / Drawings by PM	67	22-Oct-20 A	17-Nov-20 A	16-Jun-23	16-Jun-23	S3D1050	S3D1070	
S3D1070	Revise & Re-submit Architectural Design / Drawings	28	18-Nov-20 A	24-Dec-20 A	16-Jun-23	16-Jun-23	S3D1060	S3D1080	
S3D1080	Review & Accept of Architectural Design / Drawings by PM	909	25-Dec-20 A	21-Jun-23	16-Jun-23	17-Jun-23	S3D1070	S3D1090	-5
S3D1090	Review & Accept of Architectural Design / Drawings by DSD (incl. VCAB) & DAP of ArchSD	553	15-Nov-21 A	21-Jun-23	16-Jun-23	17-Jun-23	S3D1080, S3D1130, S3D1030, S3D1040	S3C1140, S3P2150	-5
S3D1100	Prepare & Submit ABWF Works Drawings	68	03-Nov-20 A	24-Dec-20 A	16-Jun-23	16-Jun-23	S3D1000	S3D1110	
S3D1110	Review & Comment on ABWF Works Drawings by PM	21	25-Dec-20 A	29-Jan-21 A	16-Jun-23	16-Jun-23	S3D1100	S3D1120	
S3D1120	Revise & Re-submit ABWF Works Drawings	41	30-Jan-21 A	11-Mar-21 A	16-Jun-23	16-Jun-23	S3D1110	S3D1130	
S3D1130	Review & Accept of ABWF Works Drawings by PM	801	12-Mar-21 A	21-Jun-23	16-Jun-23	17-Jun-23	S3D1120	S3C1140, S3D1090	-5
Civil / Structural		639	13-Jul-20 A	18-Feb-22 A	17-Sep-22	14-May-25			
S3D1140	Prepare & Submit Loading Plan to ICE	60	13-Jul-20 A	25-Sep-20 A	02-Jul-23	02-Jul-23		S3D1150	
S3D1150	Review & Comment on Loading Plan by ICE	14	26-Sep-20 A	23-Oct-20 A	02-Jul-23	02-Jul-23	S3D1140	S3D1160	
S3D1160	Revise & Re-submit Loading Plan to ICE	175	24-Oct-20 A	20-Apr-21 A	02-Jul-23	02-Jul-23	S3D1150	S3D1170	



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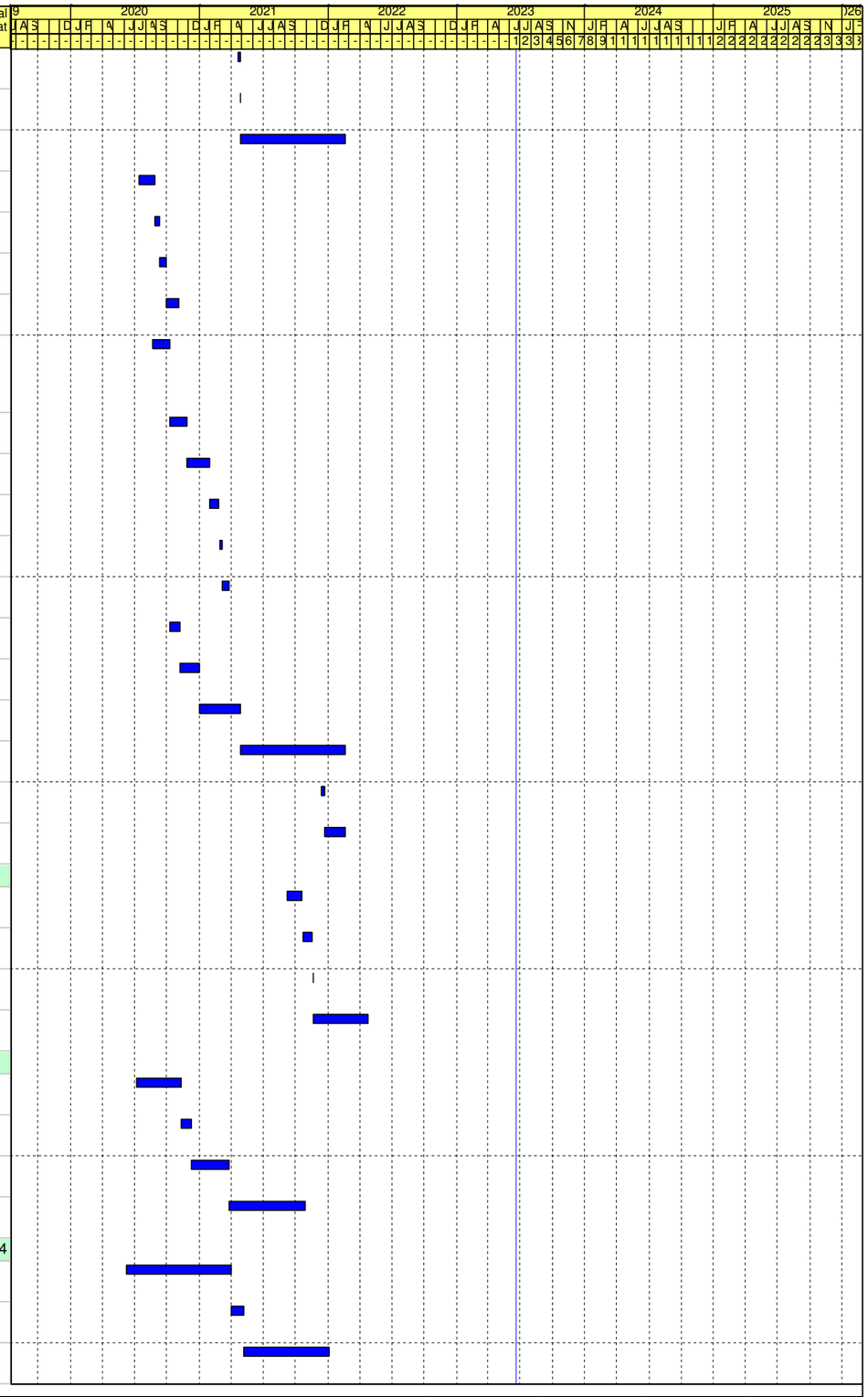
30-Jun-23	Rev.35	IM/LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Successors	Total Float
S3D1170	Review & Accept of Loading Plan by ICE	7	21-Apr-21 A	26-Apr-21 A	02-Jul-23	02-Jul-23	S3D1160	S3D1180	
S3D1180	Prepare & Submit Loading Plan to PM	7	27-Apr-21 A	27-Apr-21 A	02-Jul-23	02-Jul-23	S3D1170	S3D1190	
S3D1190	Review & Accept of Loading Plan by PM & DSD (incl. BCM)	359	28-Apr-21 A	18-Feb-22 A	02-Jul-23	02-Jul-23	S3D1180	S3C1090	
S3D1200	Prepare & Submit GI Plan	60	13-Jul-20 A	26-Aug-20 A	02-Jul-23	02-Jul-23		S3D1210	
S3D1210	Review & Comment on GI Plan by PM	14	27-Aug-20 A	10-Sep-20 A	02-Jul-23	02-Jul-23	S3D1200	S3D1220	
S3D1220	Revise & Re-submit GI Plan	7	11-Sep-20 A	28-Sep-20 A	02-Jul-23	02-Jul-23	S3D1210	S3D1230	
S3D1230	Review & Accept of GI Plan by PM	21	29-Sep-20 A	02-Nov-20 A	02-Jul-23	02-Jul-23	S3D1220	S3C1020	
S3D1240	Prepare & Submit Foundation Design / Drawings to ICE & PM	60	20-Aug-20 A	09-Oct-20 A	17-Sep-22	17-Sep-22		S3D1250, S3C1010, S3D1300, S3P1180	
S3D1250	Review & Comment on Foundation Design / Drawings by ICE & PM	79	10-Oct-20 A	27-Nov-20 A	14-May-25	14-May-25	S3D1240	S3D1260	
S3D1260	Revise & Re-submit Foundation Design / Drawings to ICE & PM	14	28-Nov-20 A	29-Jan-21 A	14-May-25	14-May-25	S3D1250	S3D1270	
S3D1270	Review & Accept of Foundation Design / Drawings by ICE & PM	10	30-Jan-21 A	26-Feb-21 A	14-May-25	14-May-25	S3D1260	S3D1280	
S3D1280	Prepare & Submit Foundation Design / Drawings to DSD (incl. BCM)	7	27-Feb-21 A	05-Mar-21 A	14-May-25	14-May-25	S3D1270	S3D1290	
S3D1290	Review & Accept of Foundation Design / Drawings by DSD (incl. BCM)	45	06-Mar-21 A	26-Mar-21 A	14-May-25	14-May-25	S3D1280		
S3D1300	Prepare & Submit Substructure / Superstructure Design / Drawings to ICE & PM	25	10-Oct-20 A	05-Nov-20 A	17-Sep-22	17-Sep-22	S3D1240	S3D1310, S3P1180	
S3D1310	Review & Comment on Substructure / Superstructure Design / Drawings by ICE & PM	55	06-Nov-20 A	30-Dec-20 A	17-Sep-22	17-Sep-22	S3D1300	S3D1320	
S3D1320	Revise & Re-submit Substructure / Superstructure Design / Drawings to ICE & PM	72	31-Dec-20 A	26-Apr-21 A	17-Sep-22	17-Sep-22	S3D1310	S3D1330	
S3D1330	Review & Accept of Substructure / Superstructure Design / Drawings by ICE & PM	271	27-Apr-21 A	18-Feb-22 A	17-Sep-22	17-Sep-22	S3D1320	S3D1340	
S3D1340	Prepare & Submit Substructure / Superstructure Design / Drawings to DSD (incl. BCM)	2	13-Dec-21 A	23-Dec-21 A	17-Sep-22	17-Sep-22	S3D1330	S3D1350	
S3D1350	Review & Accept of Substructure / Superstructure Design / Drawings by DSD (incl. BCM)	119	24-Dec-21 A	18-Feb-22 A	17-Sep-22	17-Sep-22	S3D1340	S3C1100	
ELS		214	07-Sep-21 A	26-Apr-22 A	02-Jul-23	02-Jul-23			
S3D1360	Prepare & Submit ELS Plan to ICE	45	07-Sep-21 A	20-Oct-21 A	02-Jul-23	02-Jul-23	S3P1400	S3D1370	
S3D1370	Review & Accept of ELS Plan by ICE	5	21-Oct-21 A	18-Nov-21 A	02-Jul-23	02-Jul-23	S3D1360	S3D1380	
S3D1380	Prepare & Submit ELS Plan to PM	3	19-Nov-21 A	19-Nov-21 A	02-Jul-23	02-Jul-23	S3D1370	S3D1390	
S3D1390	Review & Accept of ELS Plan by PM	153	20-Nov-21 A	26-Apr-22 A	02-Jul-23	02-Jul-23	S3D1380	S3C1080	
Process Design		454	06-Jul-20 A	29-Oct-21 A	14-May-25	14-May-25			
S3D1400	Prepare & Submit E&M Works (Process) Design Drawings	198	06-Jul-20 A	10-Nov-20 A	14-May-25	14-May-25		S3D1410	
S3D1410	Review & Comment on E&M Works (Process) Design Drawings by PM	21	11-Nov-20 A	08-Dec-20 A	14-May-25	14-May-25	S3D1400	S3D1420	
S3D1420	Revise & Re-submit E&M Works (Process) Design Drawings	87	09-Dec-20 A	26-Mar-21 A	14-May-25	14-May-25	S3D1410	S3D1430	
S3D1430	Review & Accept of E&M Works (Process) Design Drawings by PM	278	27-Mar-21 A	29-Oct-21 A	14-May-25	14-May-25	S3D1420		
E&M Design		1141	07-Jun-20 A	21-Jun-23	27-Feb-23	27-Feb-23			-114
S3D1440	Prepare & Submit General Arrangement Drawings	298	07-Jun-20 A	31-Mar-21 A	27-Feb-23	27-Feb-23	S3P1000	S3D1450, S3C1080	
S3D1450	Review & Comment on General Arrangement Drawings by PM	37	01-Apr-21 A	07-May-21 A	27-Feb-23	27-Feb-23	S3D1440	S3D1460	
S3D1460	Revise & Re-submit General Arrangement Drawings	247	08-May-21 A	06-Jan-22 A	27-Feb-23	27-Feb-23	S3D1450	S3D1470	



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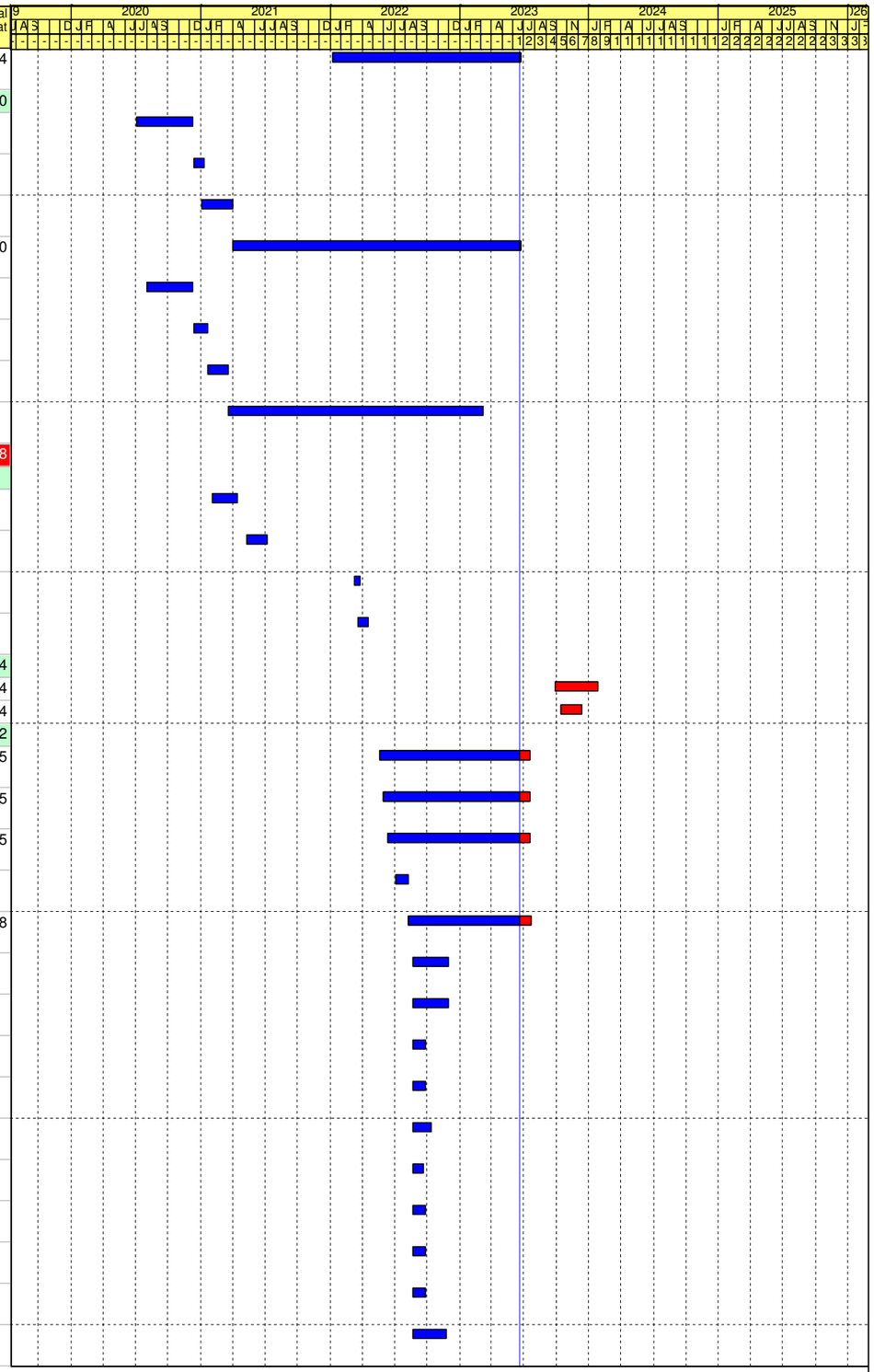
S3D1470	Review & Accept of General Arrangement Drawings by PM	531	07-Jan-22 A	21-Jun-23	27-Feb-23	27-Feb-23	S3D1460	S3C1995	-114
BS		1024	03-Jul-20 A	21-Jun-23	12-Apr-23	13-Apr-23			-70
S3D1480	Prepare & Submit BS Works Design & Dwgs for Sidestream Treatment Facilities	264	03-Jul-20 A	10-Dec-20 A	12-Apr-23	12-Apr-23		S3D1490	
S3D1490	Review & Comment on BS Works Design & Dwgs for Sidestream Treatment Facilities by PM	21	11-Dec-20 A	11-Jan-21 A	12-Apr-23	12-Apr-23	S3D1480	S3D1500	
S3D1500	Revise & Re-submit BS Works Design & Dwgs for Sidestream Treatment Facilities	102	05-Jan-21 A	31-Mar-21 A	12-Apr-23	12-Apr-23	S3D1490	S3D1510	
S3D1510	Review & Accept of BS Works Design & Dwgs for Sidestream Treatment Facilities by PM	812	01-Apr-21 A	21-Jun-23	12-Apr-23	13-Apr-23	S3D1500	S3S1020	-70
S3D1520	Submission & Submit FS Works Design & Dwgs for Sidestream Treatment Facilities	182	03-Aug-20 A	10-Dec-20 A	13-Apr-23	13-Apr-23		S3D1530	
S3D1530	Review & Comment on FS Works Design & Dwgs for Sidestream Treatment Facilities by PM	21	11-Dec-20 A	19-Jan-21 A	13-Apr-23	13-Apr-23	S3D1520	S3D1540	
S3D1540	Revise & Re-submit FS Works Design & Dwgs for Sidestream Treatment Facilities	66	20-Jan-21 A	19-Mar-21 A	13-Apr-23	13-Apr-23	S3D1530	S3D1550	
S3D1550	Review & Accept of FS Works Design & Dwgs for Sidestream Treatment Facilities by PM	398	20-Mar-21 A	06-Mar-23 A	13-Apr-23	13-Apr-23	S3D1540	S3S1020	
Major Plant & Materials Procurement		1048	18-Feb-20 A	26-Jan-24	27-Nov-22	21-Aug-23			-158
Civil & Structure		378	01-Feb-21 A	19-Apr-22 A	02-Jul-23	02-Jul-23			
S3P1410	Procurement, Manufacture & Delivery of Piling	60	01-Feb-21 A	14-Apr-21 A	02-Jul-23	02-Jul-23		S3C1040	
S3P1420	Procurement, Manufacture & Delivery of Metal Works Material	80	09-May-21 A	07-Jul-21 A	02-Jul-23	02-Jul-23		S3C1080	
S3P1430	Procurement, Manufacture & Delivery of Steel Reinforcement	15	11-Mar-22 A	25-Mar-22 A	02-Jul-23	02-Jul-23		S3C1090	
S3P1440	Procurement, Manufacture & Delivery of Concrete Mix	15	21-Mar-22 A	19-Apr-22 A	02-Jul-23	02-Jul-23		S3C1090	
ABWF		120	29-Sep-23	26-Jan-24	18-Apr-23	16-Aug-23			-164
S3P1450	Procurement, Manufacture & Delivery of ABWF Works Material	120	29-Sep-23	26-Jan-24	18-Apr-23	16-Aug-23		S3C1140	-164
S3P1460	Procurement, Manufacture & Delivery of Water Proofing Material	60	14-Oct-23	12-Dec-23	03-May-23	02-Jul-23		S3C1130	-164
E&M Process		558	20-May-22 A	01-Nov-23	27-Nov-22	01-Aug-23			-92
S3P1470	Manufacture & Delivery of Primary and Secondary Clarifiers for Phospaq	424	20-May-22 A	17-Jul-23	27-Apr-23	23-May-23		S3C2280, S3C2090	-55
S3P1480	Manufacture & Delivery of Drum sludge thickener	413	31-May-22 A	17-Jul-23	08-Mar-23	03-Apr-23		S3C2240	-105
S3P1490	Manufacture & Delivery of Tilted Plates for Phospaq and Anammox internals	402	11-Jun-22 A	17-Jul-23	27-Apr-23	23-May-23		S3C2100, S3C2110	-55
S3P1500	Procurement of Air Blower System	36	04-Jul-22 A	08-Aug-22 A	25-Mar-23	25-Mar-23		S3P1510	
S3P1510	Manufacture & Delivery of Air Blower System	346	09-Aug-22 A	20-Jul-23	25-Mar-23	23-Apr-23	S3P1500	S3C2310	-88
S3P1520	Procurement of Diffusers for Phospaq and Anammox Internals	93	21-Aug-22 A	02-Dec-22 A	29-Mar-23	29-Mar-23		S3P1950	
S3P1530	Procurement of Ancillary Air Blower	96	21-Aug-22 A	02-Dec-22 A	29-Mar-23	29-Mar-23		S3P1970	
S3P1540	Procurement of Buffer tank Lifting Pump	38	21-Aug-22 A	27-Sep-22 A	01-Feb-23	01-Feb-23		S3P1760	
S3P1550	Procurement of Anammox feed pump and Sludge Discharge pump	38	21-Aug-22 A	27-Sep-22 A	08-Feb-23	08-Feb-23		S3P1770	
S3P1560	Procurement of Metering Pump	55	21-Aug-22 A	14-Oct-22 A	14-Mar-23	14-Mar-23		S3P1850	
S3P1570	Procurement of 2nd Sludge Pump	30	21-Aug-22 A	19-Sep-22 A	08-Apr-23	08-Apr-23		S3P1780	
S3P1580	Procurement of Struvite Pump	38	21-Aug-22 A	27-Sep-22 A	22-Apr-23	22-Apr-23		S3P1790	
S3P1590	Procurement of Primary Sludge Pump	38	21-Aug-22 A	27-Sep-22 A	29-Apr-23	29-Apr-23		S3P1800	
S3P1600	Procurement of Drum Thickener Feed Pump	38	21-Aug-22 A	27-Sep-22 A	22-Feb-23	22-Feb-23		S3P1810	
S3P1610	Procurement of FRP Tanks (NaOH, Micro-Nutrient, Anti-foamer and Polymer)	97	21-Aug-22 A	25-Nov-22 A	22-Jan-23	22-Jan-23		S3P1930	



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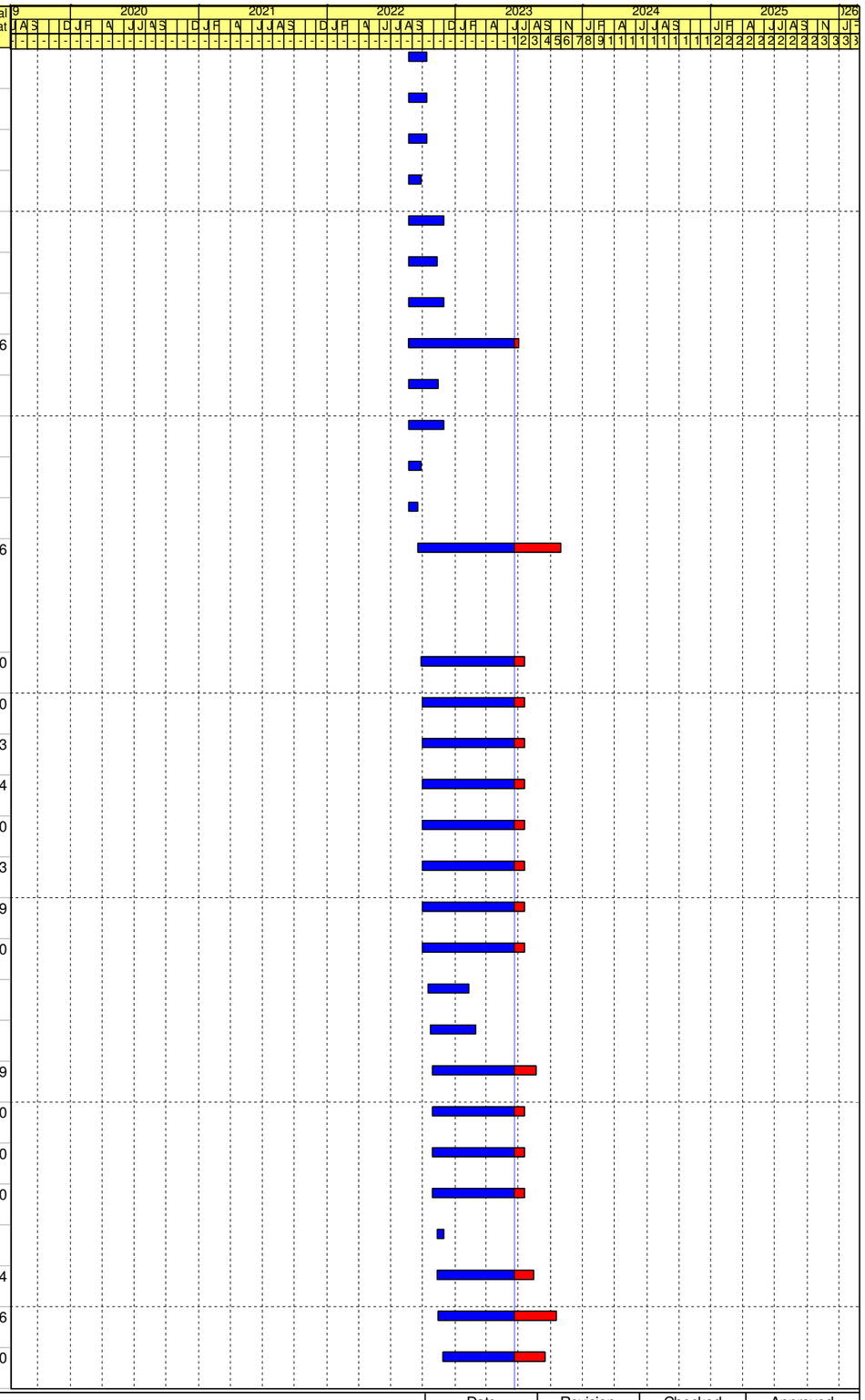
S3P1620	Procurement of NaOH Dosing Pump	55	21-Aug-22 A	14-Oct-22 A	23-Mar-23	23-Mar-23		S3P1860	
S3P1630	Procurement of Micro-Nutrient Dosing Pump	55	21-Aug-22 A	14-Oct-22 A	23-Mar-23	23-Mar-23		S3P1870	
S3P1640	Procurement of Anti-foamer Dosing Pump	55	21-Aug-22 A	14-Oct-22 A	23-Mar-23	23-Mar-23		S3P1880	
S3P1650	Procurement of Polymer Dosing Pump	38	21-Aug-22 A	27-Sep-22 A	23-Mar-23	23-Mar-23		S3P1750	
S3P1660	Procurement of DOU no.4	97	21-Aug-22 A	02-Dec-22 A	11-Feb-23	11-Feb-23		S3P1980	
S3P1670	Procurement of SCADA System	153	21-Aug-22 A	10-Nov-22 A	18-Apr-23	18-Apr-23		S3P1910	
S3P1680	Procurement of Local control panel parts for Drum Sludge Thickener	102	21-Aug-22 A	02-Dec-22 A	12-Apr-23	12-Apr-23		S3P1990	
S3P1690	Procurement of uPVC pipe and GRP Pipe	315	21-Aug-22 A	01-Jul-23	06-Jan-23	16-Jan-23		S3P2020	-166
S3P1700	Procurement of EM Flowmeter	86	21-Aug-22 A	14-Nov-22 A	07-Mar-23	07-Mar-23		S3P1920	
S3P1710	Procurement of Instrument	111	21-Aug-22 A	02-Dec-22 A	21-Mar-23	21-Mar-23		S3P2000	
S3P1720	Procurement of PAM dosing pump	38	21-Aug-22 A	27-Sep-22 A	23-Mar-23	23-Mar-23		S3P1820	
S3P1730	Procurement of Lifting Applicance	14	23-Aug-22 A	16-Sep-22 A	27-Nov-22	27-Nov-22		S3P1740	
S3P1740	Manufacture & Delivery of Lifting Applicance	410	17-Sep-22 A	31-Oct-23	27-Nov-22	08-Apr-23	S3P1730	S3C2170, S3C2180, S3C2190, S3C2260, S3C2270, S3C2290	-206
S3P1750	Manufacture & Delivery of Polymer Dosing Pump	293	28-Sep-22 A	17-Jul-23	23-Mar-23	18-Apr-23	S3P1650	S3C2200	-90
S3P1760	Manufacture & Delivery of Buffer tank Lifting Pump	292	29-Sep-22 A	17-Jul-23	01-Feb-23	27-Feb-23	S3P1540	S3C2000	-140
S3P1770	Manufacture & Delivery of Anammox feed pump and Anammox Sludge pump	292	29-Sep-22 A	17-Jul-23	08-Feb-23	06-Mar-23	S3P1550	S3C2020, S3C2040	-133
S3P1780	Manufacture & Delivery of 2nd Sludge Pump	292	29-Sep-22 A	17-Jul-23	08-Apr-23	04-May-23	S3P1570	S3C2010	-74
S3P1790	Manufacture & Delivery of Struvite Pump	292	29-Sep-22 A	17-Jul-23	22-Apr-23	18-May-23	S3P1580	S3C2050	-60
S3P1800	Manufacture & Delivery of Primary Sludge Pump	292	29-Sep-22 A	17-Jul-23	29-Apr-23	25-May-23	S3P1590	S3C2070	-53
S3P1810	Manufacture & Delivery of Drum Thickener Feed Pump	292	29-Sep-22 A	17-Jul-23	22-Feb-23	20-Mar-23	S3P1600	S3C2060	-119
S3P1820	Manufacture & Delivery of PAM dosing pump	292	29-Sep-22 A	17-Jul-23	23-Mar-23	18-Apr-23	S3P1720	S3C2200	-90
S3P1830	Procurement of PE pipework	90	15-Oct-22 A	11-Feb-23 A	14-Mar-23	14-Mar-23		S3P2060	
S3P1840	Procurement of Flushing pum	97	24-Oct-22 A	28-Feb-23 A	02-Mar-23	02-Mar-23		S3P2050	
S3P1850	Manufacture & Delivery of Metering Pump	292	31-Oct-22 A	18-Aug-23	14-Mar-23	11-May-23	S3P1560	S3C2030	-99
S3P1860	Manufacture & Delivery of NaOH Dosing pump	260	31-Oct-22 A	17-Jul-23	23-Mar-23	18-Apr-23	S3P1620	S3C2200	-90
S3P1870	Manufacture & Delivery of Micro-Nutrient Dosing Pump	260	31-Oct-22 A	17-Jul-23	23-Mar-23	18-Apr-23	S3P1630	S3C2200	-90
S3P1880	Manufacture & Delivery of Anti-foamer Dosing Pump	260	31-Oct-22 A	17-Jul-23	23-Mar-23	18-Apr-23	S3P1640	S3C2200	-90
S3P1900	Procurement of Mixer	22	11-Nov-22 A	02-Dec-22 A	29-Mar-23	29-Mar-23		S3P1960	
S3P1910	Manufacture & Delivery of SCADA System	277	11-Nov-22 A	14-Aug-23	18-Apr-23	12-Jun-23	S3P1670	S3C2400	-64
S3P1920	Manufacture & Delivery of EM Flowmeter	336	15-Nov-22 A	16-Oct-23	07-Mar-23	02-Jul-23	S3P1700	S3C2430	-106
S3P1930	Manufacture & Delivery of FRP Tanks (NaOH, Micro-Nutrient, Anti-foamer and Polymer)	294	26-Nov-22 A	15-Sep-23	22-Jan-23	18-Apr-23	S3P1610	S3C2210	-150



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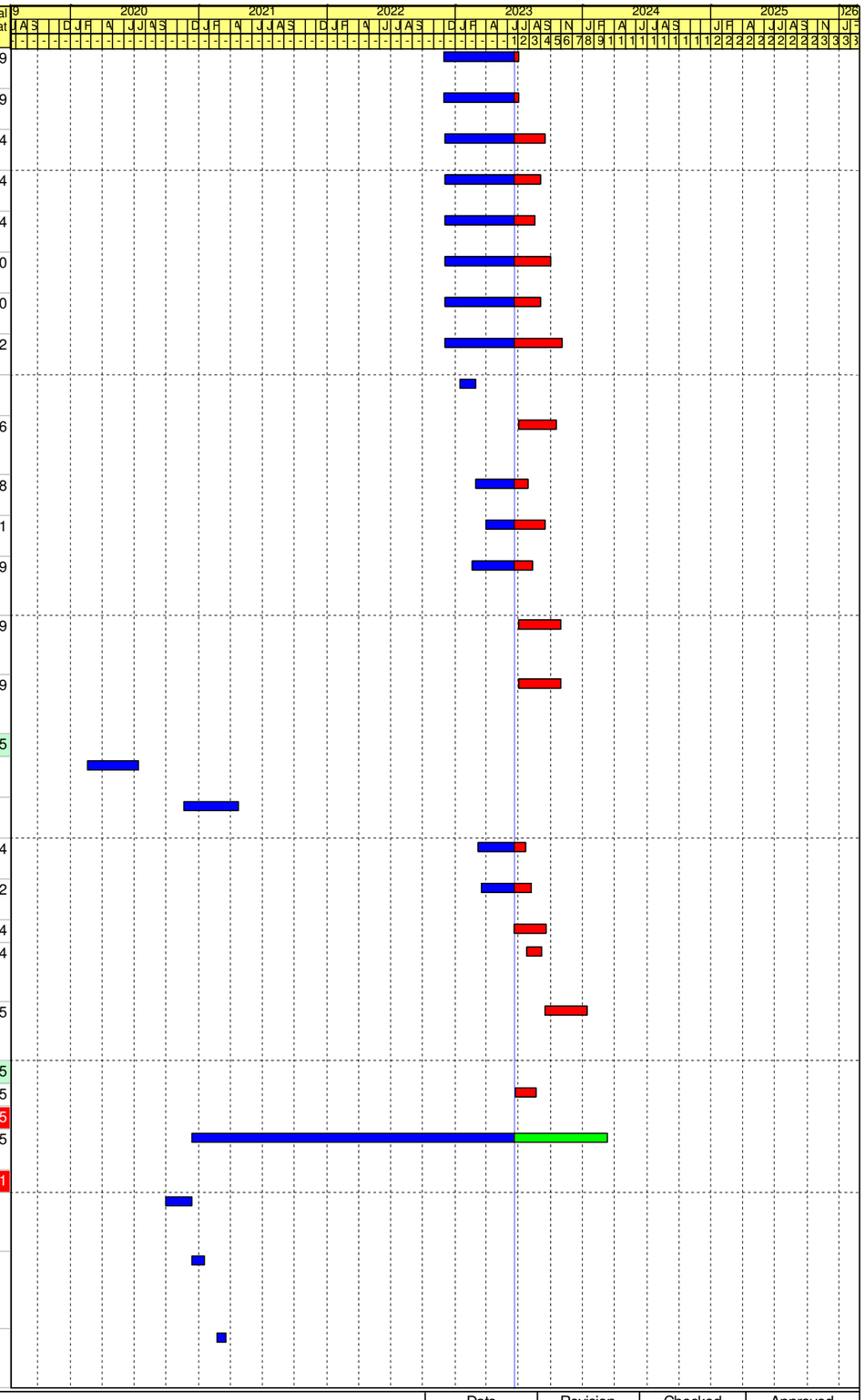
S3P1940	Procurement of SS pipe and Fittings	213	01-Dec-22 A	01-Jul-23	24-Dec-22	03-Jan-23		S3P2070, S3P1945	-179
S3P1945	Procurement of Ductile Iron Pipes and Fittings	212	01-Dec-22 A	01-Jul-23	24-Dec-22	03-Jan-23	S3P1940	S3P2160	-179
S3P1950	Manufacture & Delivery of Diffusers for Phospaq and Anammox Internals	286	03-Dec-22 A	14-Sep-23	29-Mar-23	22-Jun-23	S3P1520	S3C2130, S3C2140	-84
S3P1960	Manufacture & Delivery of Mixer	272	03-Dec-22 A	31-Aug-23	29-Mar-23	08-Jun-23	S3P1900	S3C2120	-84
S3P1970	Manufacture & Delivery of Ancillary air blower	256	03-Dec-22 A	15-Aug-23	29-Mar-23	23-May-23	S3P1530	S3C2340	-84
S3P1980	Manufacture & Delivery of DOU no.4	302	03-Dec-22 A	30-Sep-23	11-Feb-23	23-May-23	S3P1660	S3C2300	-130
S3P1990	Manufacture & Delivery of Local control panel parts for Drum Sludge Thickener	272	03-Dec-22 A	31-Aug-23	12-Apr-23	22-Jun-23	S3P1680	S3C2430	-70
S3P2000	Manufacture & Delivery of Instrument	334	03-Dec-22 A	01-Nov-23	21-Mar-23	01-Aug-23	S3P1710	S3C2430	-92
S3P2010	Procurement of Heat Exchanger (Plate type)	24	14-Jan-23 A	28-Feb-23 A	05-Mar-23	05-Mar-23		S3P2030	
S3P2020	Manufacture & Delivery of uPVC pipe and GRP Pipe	107	02-Jul-23	16-Oct-23	17-Jan-23	03-May-23	S3P1690	S3C2250, S3C2350, S3C2150	-166
S3P2030	Manufacture & Delivery of Heat Exchanger (Plate type)	151	01-Mar-23 A	29-Jul-23	05-Mar-23	12-Apr-23	S3P2010	S3C2220	-108
S3P2050	Manufacture & Delivery of Flushing pump	168	30-Mar-23 A	13-Sep-23	02-Mar-23	25-May-23	S3P1840	S3C2320	-111
S3P2060	Manufacture & Delivery of PE pipework	171	21-Feb-23 A	10-Aug-23	14-Mar-23	03-May-23	S3P1830	S3C2250, S3C2150, S3C2350	-99
S3P2070	Manufacture & Delivery of SS pipe and Fittings	120	02-Jul-23	29-Oct-23	04-Jan-23	03-May-23	S3P1940	S3C2150, S3C2250, S3C2350	-179
S3P2160	Manufacture & Delivery of Ductile Iron Pipes and Fittings	120	02-Jul-23	29-Oct-23	04-Jan-23	03-May-23	S3P1945	S3C2150, S3C2350, S3C2250	-179
BS		520	18-Feb-20 A	13-Jan-24	07-Feb-23	21-Aug-23			-145
S3P2080	Procurement of Transformer	75	18-Feb-20 A	13-Jul-20 A	07-Feb-23	07-Feb-23		S3P2120	
S3P2090	Procurement of Low Voltage Switchboard and Accessories	80	21-Nov-20 A	23-Apr-21 A	10-Apr-23	10-Apr-23		S3P2110	
S3P2100	Procurement of MVAC System	107	08-Mar-23 A	23-Jul-23	19-Mar-23	21-Apr-23		S3P2130	-94
S3P2110	Manufacture & Delivery of Low Voltage Switchboard and Accessories	112	18-Mar-23 A	07-Aug-23	10-Apr-23	27-May-23	S3P2090	S3C2380	-72
S3P2120	Manufacture & Delivery of Transformer	90	21-Jun-23	18-Sep-23	07-Feb-23	07-May-23	S3P2080	S3C2360	-134
S3P2130	Manufacture & Delivery of MVAC System	45	24-Jul-23	06-Sep-23	21-Apr-23	05-Jun-23	S3P2100	S3C2490, S3C2500, S3C2530	-94
S3P2140	Procurement, Manufacture & Delivery of BS Works Material	120	16-Sep-23	13-Jan-24	24-Apr-23	21-Aug-23		S3T1170, S3C2420, S3T1270	-145
Fitting-out		60	22-Jun-23	20-Aug-23	17-Jun-23	16-Aug-23			-5
S3P2150	Procurement, Manufacture & Delivery of Fit-out Works Material	60	22-Jun-23	20-Aug-23	17-Jun-23	16-Aug-23	S3D1090	S3C1140	-5
Ground Settlement, Tilting & Utility Monitoring		1184	12-Dec-20 A	09-Mar-24	23-Sep-23	12-Jun-24			95
S3C1000	Ground Settlement, Tilting & Utility Monitoring	1184	12-Dec-20 A	09-Mar-24	23-Sep-23	12-Jun-24	S3C1010	SC31110	95
Civil Works Construction		1641	30-Sep-20 A	18-Apr-25	17-Sep-22	12-Jun-24			-311
S3C1010	Site Clearance & Survey	50	30-Sep-20 A	12-Dec-20 A	02-Jul-23	02-Jul-23	S3D1240, AD1140, S3P1090	S3C1020, S3C1000	
S3C1020	Ground Investigation	65	12-Dec-20 A	18-Jan-21 A	02-Jul-23	02-Jul-23	AD1140, S3C1010, S3P1170, S3D1230	S3C1030	
S3C1030	Pre-drilling Works	180	22-Feb-21 A	19-Mar-21 A	02-Jul-23	02-Jul-23	S3C1020, S3P1250, S3P1330	S3C1040	



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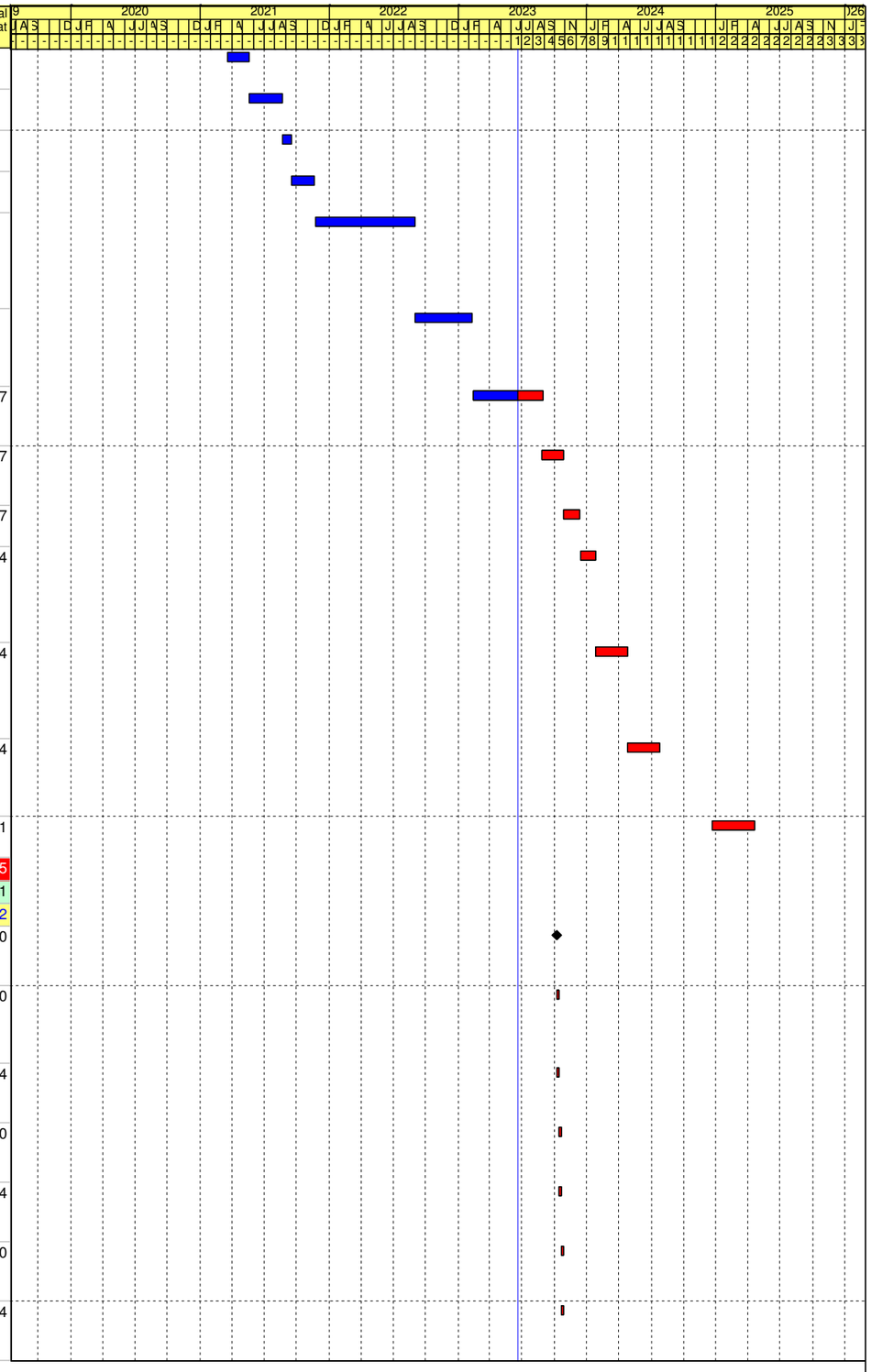
30-Jun-23	Rev.35	IM/LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Successors	Total Float
S3C1040	Minor Civil Works & Preperation Works for Piling	31	20-Mar-21 A	20-May-21 A	02-Jul-23	02-Jul-23	S3C1030, S3P1410	S3C1050	
S3C1050	Piling Works (Impacted by Inclement Weather)	69	21-May-21 A	21-Aug-21 A	02-Jul-23	02-Jul-23	S3C1040	S3C1060	
S3C1060	Post-drilling, Proof test & remaining works (Impacted by Inclement Weather)	23	22-Aug-21 A	17-Sep-21 A	02-Jul-23	02-Jul-23	S3C1050	S3C1080, S3C1070	
S3C1070	Site Set-up / Mobilisation (Impacted by Inclement Weather)	51	18-Sep-21 A	20-Nov-21 A	02-Jul-23	02-Jul-23	S3C1060, S3P1400	S3C1080	
S3C1080	Excavation / ELS (Impacted by Inclement Weather)	157	24-Nov-21 A	31-Aug-22 A	02-Jul-23	02-Jul-23	S3D1440, S3P1420, S3D1390, S3C1060, S3C1070	S3C1090	
S3C1090	Pile Caps installation & Basement Slab	89	01-Sep-22 A	11-Feb-23 A	02-Jul-23	02-Jul-23	S3C1080, S3P1440, S3P1430, S3D1190	S3C1130	
S3C1100	Construction of Basement up to G/F Slab	175	12-Feb-23 A	28-Aug-23	17-Sep-22	24-Nov-22	S3D1350, S3S1010	S3C1110, S3C1130, S3C1995	-277
S3C1110	Construction of G/F up to 1/F Slab	61	26-Aug-23	25-Oct-23	22-Nov-22	21-Jan-23	S3C1100	S3C1120, S3C1130, S3C2155	-277
S3C1120	Construction of 1/F up to Roof	48	26-Oct-23	12-Dec-23	22-Jan-23	10-Mar-23	S3C1110	S3C1130, S3C2285	-277
S3C1130	Waterproofing	45	13-Dec-23	26-Jan-24	02-Jul-23	16-Aug-23	S3P1460, S3C1120, S3C1090, S3C1100, S3C1110	S3C1140	-164
S3C1140	External & Internal Finishes - 1st Fix (Blockwork, Plastering, Wet Trade)	90	27-Jan-24	25-Apr-24	16-Aug-23	14-Nov-23	S3C1130, S3P1450, S3D1090, S3D1130, S3P2150	S3C1150, S3C1160	-164
S3C1150	External & Internal Finishes - 2nd Fix (Ceiling / Wall / Floor Finishing, Door)	90	26-Apr-24	24-Jul-24	14-Nov-23	12-Feb-24	S3C1140	SC31110, S3S1170, S3C1160, PL1190	-164
S3C1160	Landscaping Works	120	20-Dec-24	18-Apr-25	13-Feb-24	12-Jun-24	S3C1140, S3C1150	SC31110	-311
E&M Installation		234	19-Sep-23	09-May-24	28-Feb-23	15-Feb-24			-85
Mechanical Installations		217	06-Oct-23	09-May-24	28-Feb-23	01-Dec-23			-161
Basement		212	06-Oct-23	04-May-24	28-Feb-23	06-Aug-23			-272
S3C1995	Access to Sidestream Treatment Facilities (B/F)	0	06-Oct-23		28-Feb-23		S3C1100, S3D1470	S3C2000, S3C2450, S3C2460	-220
S3C2000	Installation of Buffer Tank Lifting pumps (3 nos.)	7	06-Oct-23	12-Oct-23	28-Feb-23	06-Mar-23	S3P1760, S3C1995	S3C2020, S3C2150, S3T1030, S3C2010	-220
S3C2010	Installation of Secondary Clarifier Sludge discharge pumps (3 nos.)	7	06-Oct-23	12-Oct-23	05-May-23	11-May-23	S3P1780, S3C2000	S3C2030, S3C2150, S3T1030	-154
S3C2020	Installation of Anammox Feed pumps (3 nos.)	7	13-Oct-23	19-Oct-23	07-Mar-23	13-Mar-23	S3C2000, S3P1770	S3C2040, S3C2150, S3T1030	-220
S3C2030	Installation of Metering Pumps (2 nos.)	7	13-Oct-23	19-Oct-23	12-May-23	18-May-23	S3C2010, S3P1850	S3C2050, S3C2150, S3T1030	-154
S3C2040	Installation of Anammox Sludge discharge pumps (2 nos.)	7	20-Oct-23	26-Oct-23	14-Mar-23	20-Mar-23	S3C2020, S3P1770	S3C2060, S3C2150, S3T1030	-220
S3C2050	Installation of Struvite Pumps (3 nos.)	7	20-Oct-23	26-Oct-23	19-May-23	25-May-23	S3C2030, S3P1790	S3C2070, S3C2150, S3T1030	-154



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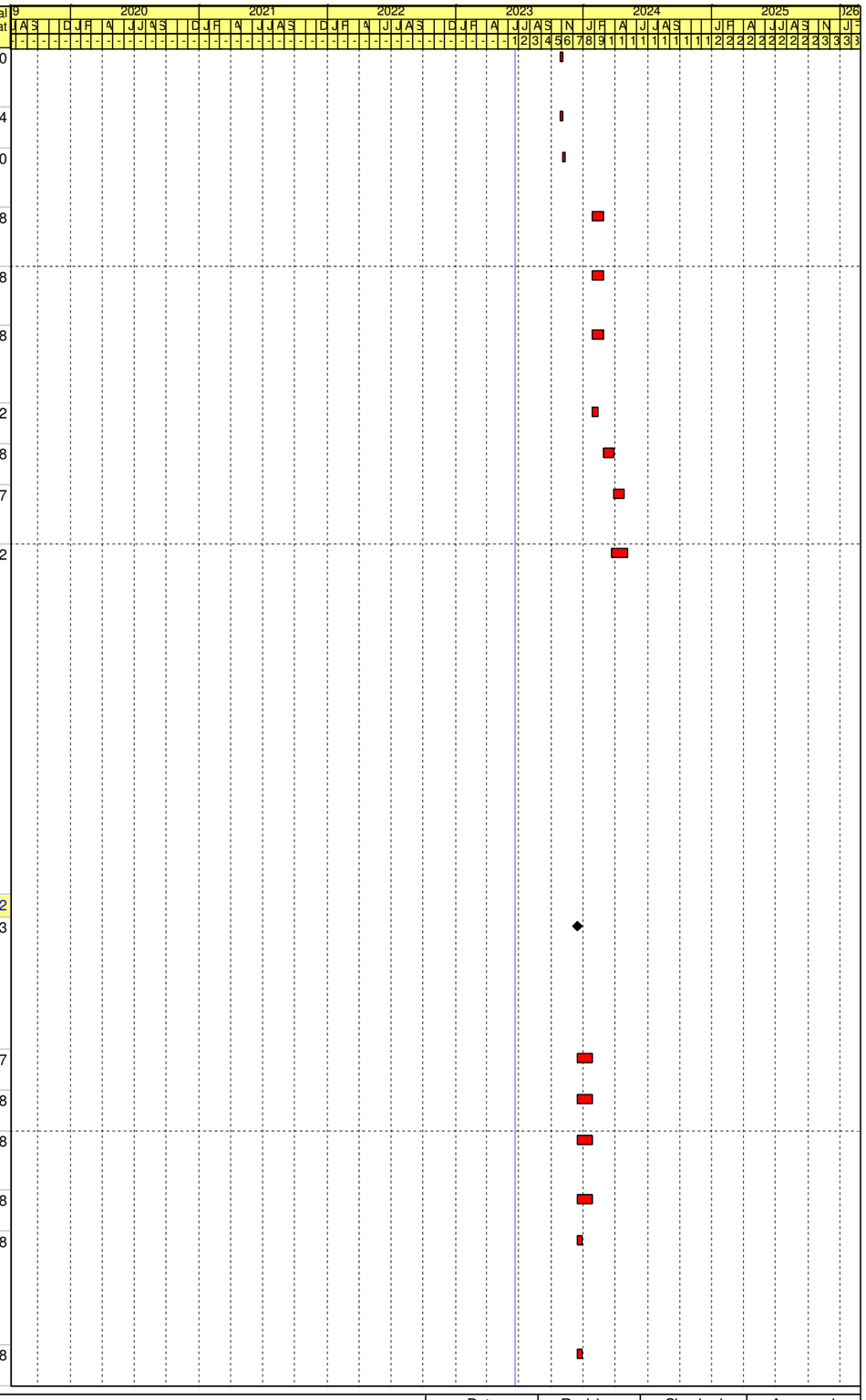
S3C2060	Installation of Thickener feed pumps (2 nos.)	7	27-Oct-23	02-Nov-23	21-Mar-23	27-Mar-23	S3C2040, S3P1810	S3C2080, S3C2150, S3T1030	-220
S3C2070	Installation of Primary Clarifier sludge discharge pump (3 nos.)	7	27-Oct-23	02-Nov-23	26-May-23	01-Jun-23	S3C2050, S3P1800	S3C2150, S3T1030	-154
S3C2080	Installation of Flushing Pump (2 nos.)	7	03-Nov-23	09-Nov-23	28-Mar-23	03-Apr-23	S3C2060	S3C2150, S3C2240, S3T1030	-220
S3C2090	Installation of Secondary Clarifiers No.1 and 2	30	27-Jan-24	25-Feb-24	24-May-23	22-Jun-23	S3P1470, S3C2180	S3C2110, S3C2150, S3T1110	-248
S3C2100	Installation of Tilted Plates for Phospaq No.1 and 2	30	27-Jan-24	25-Feb-24	24-May-23	22-Jun-23	S3C2280, S3P1490	S3C2150, S3C2130, S3T1140	-248
S3C2110	Installation of Tilted Plates for Anammox No. 1 and 2	30	27-Jan-24	25-Feb-24	24-May-23	22-Jun-23	S3C2090, S3P1490, S3C2260, S3C2270	S3C2150, S3C2140, S3T1150	-248
S3C2120	Installation of Mixer for Thickened Sludge Tank, Sludge MIxing Tank, Anammox Effluent Chamber and Filtrate Buffer Tank	14	27-Jan-24	09-Feb-24	09-Jun-23	22-Jun-23	S3P1960, S3C2190	S3C2150, S3T1090	-232
S3C2130	Installation of Diffusers and pipework for Phospaq	30	26-Feb-24	26-Mar-24	23-Jun-23	22-Jul-23	S3P1950, S3C2100	S3C2150, S3T1140	-248
S3C2140	Installation of Diffusers and pipework for Anammox	30	26-Mar-24	24-Apr-24	23-Jun-23	22-Jul-23	S3C2340, S3P1950, S3C2110	S3C2150, S3T1150	-277
S3C2150	Installation of Pipeworks, Associate Valves and Fittings	45	21-Mar-24	04-May-24	23-Jun-23	06-Aug-23	S3C2000, S3C2010, S3C2020, S3C2030, S3C2040, S3C2050, S3C2060, S3C2070, S3C2080, S3C2120, S3C2090, S3C2100, S3C2110, S3C2130, S3C2140, S3P2060, S3P2070, S3P2020, S3P2160	S3T1000	-272
G/F		90	13-Dec-23	11-Mar-24	04-Apr-23	01-Dec-23			-102
S3C2155	Access to Sidestream Treatment Facilities (G/F)	0	13-Dec-23		04-Apr-23		S3C1110	S3C2200, S3C2170, S3C2210, S3C2240, S3C2220, S3C2250, S3C2160	-253
S3C2160	E&M installation of DG Plant Room	45	13-Dec-23	26-Jan-24	17-Oct-23	01-Dec-23	S3C2155, S3S1100	S3S1110	-57
S3C2170	Installation of Lifting Appliance (LA-01)	45	13-Dec-23	26-Jan-24	09-Apr-23	23-May-23	S3P1740, S3C2155	S3C2180, S3C2280	-248
S3C2180	Installation of Lifting Appliance (LA-02)	45	13-Dec-23	26-Jan-24	09-Apr-23	23-May-23	S3C2170, S3P1740	S3C2090, S3C2190, S3C2270	-248
S3C2190	Installation of Lifting Appliance (LA-03)	45	13-Dec-23	26-Jan-24	09-Apr-23	23-May-23	S3P1740, S3C2180	S3C2260, S3C2120	-248
S3C2200	Installation of NaOH Dosing Pumps, Micro-Nutrient Dosing Pumps, Defoamer Dosing Pumps and PAM Dosing Pumps (12 nos.)	15	13-Dec-23	27-Dec-23	19-Apr-23	03-May-23	S3P1860, S3P1870, S3P1880, S3P1820, S3C2155, S3P1750	S3C2250, S3T1030, S3T1020	-238
S3C2210	Installation of PAM Tank, Deformer dissolving Tank, Micro-nutrient tank and NaOH Tank	15	13-Dec-23	27-Dec-23	19-Apr-23	03-May-23	S3P1930, S3C2155	S3C2250, S3T1020	-238



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S3C2220	Installation of Heat Exchanger system	21	13-Dec-23	02-Jan-24	13-Apr-23	03-May-23	S3P2030, S3C2155	S3C2340, S3C2250, S3T1010	-244
S3C2240	Installation of Drum Sludge Thickener	30	13-Dec-23	11-Jan-24	04-Apr-23	03-May-23	S3P1480, S3C2080, S3C2155	S3C2250, S3T1040	-253
S3C2250	Installation of Pipeworks, Associate Valves and Fittings	60	12-Jan-24	11-Mar-24	04-May-23	02-Jul-23	S3C2280, S3C2200, S3C2210, S3C2240, S3C2220, S3P2060, S3P2070, S3P2020, S3C2155, S3P2160	S3T1000, S3C2430	-253
S3C2260	Installation of Lifting Appliance (LA-04)	45	27-Jan-24	11-Mar-24	24-May-23	07-Jul-23	S3P1740, S3C2190	S3C2110	-248
S3C2270	Installation of Lifting Appliance (LA-05)	45	27-Jan-24	11-Mar-24	24-May-23	07-Jul-23	S3P1740, S3C2180	S3C2110	-248
S3C2280	Installation of Primary Clarifiers No.1 and 2	30	27-Jan-24	25-Feb-24	24-May-23	22-Jun-23	S3P1470, S3C2170	S3C2100, S3C2250, S3T1100	-248
1/F		105	26-Jan-24	09-May-24	24-Apr-23	06-Aug-23			-277
S3C2285	Access to Sidestream Treatment Facilities (1/F)	0	26-Jan-24		24-Apr-23		S3C1120	S3C2290, S3C2300, S3C2310, S3C2340, S3C2320, S3C2350	-277
S3C2290	Installation of Lifting Appliance (LA-06)	45	26-Jan-24	10-Mar-24	24-Apr-23	07-Jun-23	S3P1740, S3C2285	S3C2310	-277
S3C2300	Installation of Deodorisation System (DOU) No.4	45	26-Jan-24	10-Mar-24	24-May-23	07-Jul-23	S3P1980, S3C2310, S3C2285	S3C2350, S3T1080	-247
S3C2310	Installation of Air Blower System	30	26-Jan-24	24-Feb-24	24-Apr-23	23-May-23	S3P1510, S3C2290, S3C2285	S3C2340, S3C2350, S3C2300, S3T1060	-277
S3C2320	Installation of Electric Calorifier and hot water Pumps	7	26-Jan-24	01-Feb-24	26-May-23	01-Jun-23	S3P2050, S3C2285	S3C2350, S3T1030	-245
S3C2340	Installation of Ancillary Air Blower	30	25-Feb-24	25-Mar-24	24-May-23	22-Jun-23	S3C2220, S3P1970, S3C2310, S3C2285	S3C2140, S3C2350, S3T1060	-277
S3C2350	Installation of Pipeworks, Associate Valves and Fittings	45	26-Mar-24	09-May-24	23-Jun-23	06-Aug-23	S3C2310, S3C2340, S3C2320, S3C2300, S3P2060, S3P2070, S3P2020, S3C2285, S3P2160	S3T1000	-277
Electrical Installations		231	19-Sep-23	06-May-24	08-May-23	15-Feb-24			-82
S3C2360	Installation of Transformer room	55	19-Sep-23	12-Nov-23	08-May-23	01-Jul-23	S3P2120	S3T1120, S3C2380	-134
S3C2370	Installation of Electrical system - Cable Containment	60	05-Nov-23	03-Jan-24	13-May-23	12-Jul-23	S3C2490	S3C2390, S3T1280, S3C2410, S3C2400	-176
S3C2380	Installation of LV Switchroom	55	09-Oct-23	02-Dec-23	28-May-23	21-Jul-23	S3P2110, S3C2360	S3C2410, S3T1120	-134
S3C2390	Installation of Electrical system - Wall Mount Equipment, Conduit & Wiring	60	05-Dec-23	02-Feb-24	17-Nov-23	16-Jan-24	S3C2370	S3C2440, S3T1280	-18
S3C2400	Installation of SCADA system	31	05-Dec-23	04-Jan-24	12-Jun-23	13-Jul-23	S3C2370, S3P1910	S3T1050	-176

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S3C2410	Power Cable laying and Termination	30	14-Dec-23	12-Jan-24	22-Jul-23	20-Aug-23	S3C2380, S3C2370	S3T1160	-145
S3C2420	Installation of Gas Detection System	50	12-Mar-24	30-Apr-24	03-Jul-23	21-Aug-23	S3P2140, S3C2430	S3T1170	-253
S3C2430	Installation of Online Monitoring instrument / Level Control Equipment	56	12-Mar-24	06-May-24	03-Jul-23	27-Aug-23	S3P2000, S3P1920, S3P1990, S3C2250	S3C2420	-253
S3C2440	Installation of Electrical system - Lighting and Small Power Accessories	30	03-Feb-24	03-Mar-24	16-Jan-24	15-Feb-24	S3C2390	S3T1280	-18
BS Equipment Installation		120	06-Oct-23	02-Feb-24	13-Apr-23	15-Feb-24			13
S3C2450	Installation of P&D System - Main Pipework	30	06-Oct-23	04-Nov-23	13-Apr-23	13-May-23	S3C2460, S3S1020, S3C1995	S3C2470, S3C2490, S3T1250	-176
S3C2460	Installation of FS system - Main Pipework	30	06-Oct-23	04-Nov-23	13-Apr-23	13-May-23	S3S1020, S3C1995	S3C2480, S3C2450, S3T1240	-176
S3C2470	Installation of P&D System - Branch Pipework	50	16-Oct-23	04-Dec-23	18-Oct-23	07-Dec-23	S3C2450	S3C2510, S3T1250	3
S3C2480	Installation of FS system - Branch Pipework, Conduit & Wiring	50	16-Oct-23	04-Dec-23	18-Oct-23	07-Dec-23	S3C2460	S3C2520, S3T1240	3
S3C2490	Installation of MVAC system - Ceiling Mount Equipment, Main Ductwork & Pipework	30	05-Nov-23	04-Dec-23	13-May-23	12-Jun-23	S3C2450, S3P2130	S3C2500, S3T1260, S3C2370	-176
S3C2500	Installation of MVAC system - Wall Mount Equipment, Branch Duct & pipework	50	15-Nov-23	03-Jan-24	27-Nov-23	16-Jan-24	S3C2490, S3P2130	S3C2530, S3T1260	13
S3C2510	Installation of P&D System - Sanitary Fitting	30	05-Dec-23	03-Jan-24	07-Dec-23	06-Jan-24	S3C2470	S3T1250, S3S1030	3
S3C2520	Installation of FS system - Dropper, Sprinkler Head, Detector & Devices	30	05-Dec-23	03-Jan-24	07-Dec-23	06-Jan-24	S3C2480	S3T1240, S3S1030	3
S3C2530	Installation of MVAC system - Air Grills & Diffuser	30	04-Jan-24	02-Feb-24	16-Jan-24	15-Feb-24	S3C2500, S3P2130	S3T1260	13
Testing & Commissioning		503	03-Dec-23	18-Apr-25	14-May-23	12-Jun-24			-311
For KD3A - Completion of Phase 1 Commissioning - 15 Jan 2024		340	03-Dec-23	06-Nov-24	14-May-23	17-Feb-24			-264
SAT		174	03-Dec-23	24-May-24	14-May-23	21-Aug-23			-277
S3T1000	Pipe Pressure Test	100	15-Feb-24	24-May-24	14-May-23	21-Aug-23	S3C2150, S3C2250, S3C2350	S3T1170	-277
S3T1010	SAT for Heat Exchanger	14	03-Jan-24	16-Jan-24	08-Aug-23	21-Aug-23	S3C2220	S3T1170	-148
S3T1020	SAT for Dosing system	30	28-Dec-23	26-Jan-24	23-Jul-23	21-Aug-23	S3C2210, S3C2200	S3T1170	-158
S3T1030	Dry Test for Pumps	21	02-Feb-24	22-Feb-24	02-Jun-23	22-Jun-23	S3C2000, S3C2010, S3C2020, S3C2030, S3C2040, S3C2050, S3C2060, S3C2070, S3C2080, S3C2200, S3C2320	S3T1070	-245
S3T1040	SAT for Drum Sludge Thickener	14	12-Jan-24	25-Jan-24	08-Aug-23	21-Aug-23	S3C2240	S3T1170	-157
S3T1050	SAT for SCADA System	60	15-Dec-23	13-Feb-24	23-Jun-23	21-Aug-23	S3C2400	S3T1170	-176
S3T1060	SAT for Air blowers	30	26-Mar-24	24-Apr-24	23-Jul-23	21-Aug-23	S3C2310, S3C2340	S3T1170	-247
S3T1070	Wet Test for Pumps	30	23-Feb-24	23-Mar-24	23-Jun-23	22-Jul-23	S3T1030	S3T1130	-245
S3T1080	SAT for DOU no.4	45	11-Mar-24	24-Apr-24	08-Jul-23	21-Aug-23	S3C2300	S3T1170	-247
S3T1090	SAT for mixer	30	10-Feb-24	10-Mar-24	23-Jul-23	21-Aug-23	S3C2120	S3T1170	-202
S3T1100	SAT for Primary clarifier	14	26-Feb-24	10-Mar-24	08-Aug-23	21-Aug-23	S3C2280	S3T1170	-202
S3T1110	SAT for Secondary clarifier	14	26-Feb-24	10-Mar-24	08-Aug-23	21-Aug-23	S3C2090	S3T1170	-202
S3T1120	SAT for TX & LV Switchboard	30	03-Dec-23	01-Jan-24	22-Jul-23	20-Aug-23	S3C2380, S3C2360	S3T1160	-134
S3T1130	Functional Test for Pumps	30	24-Mar-24	22-Apr-24	23-Jul-23	21-Aug-23	S3T1070	S3T1170	-245

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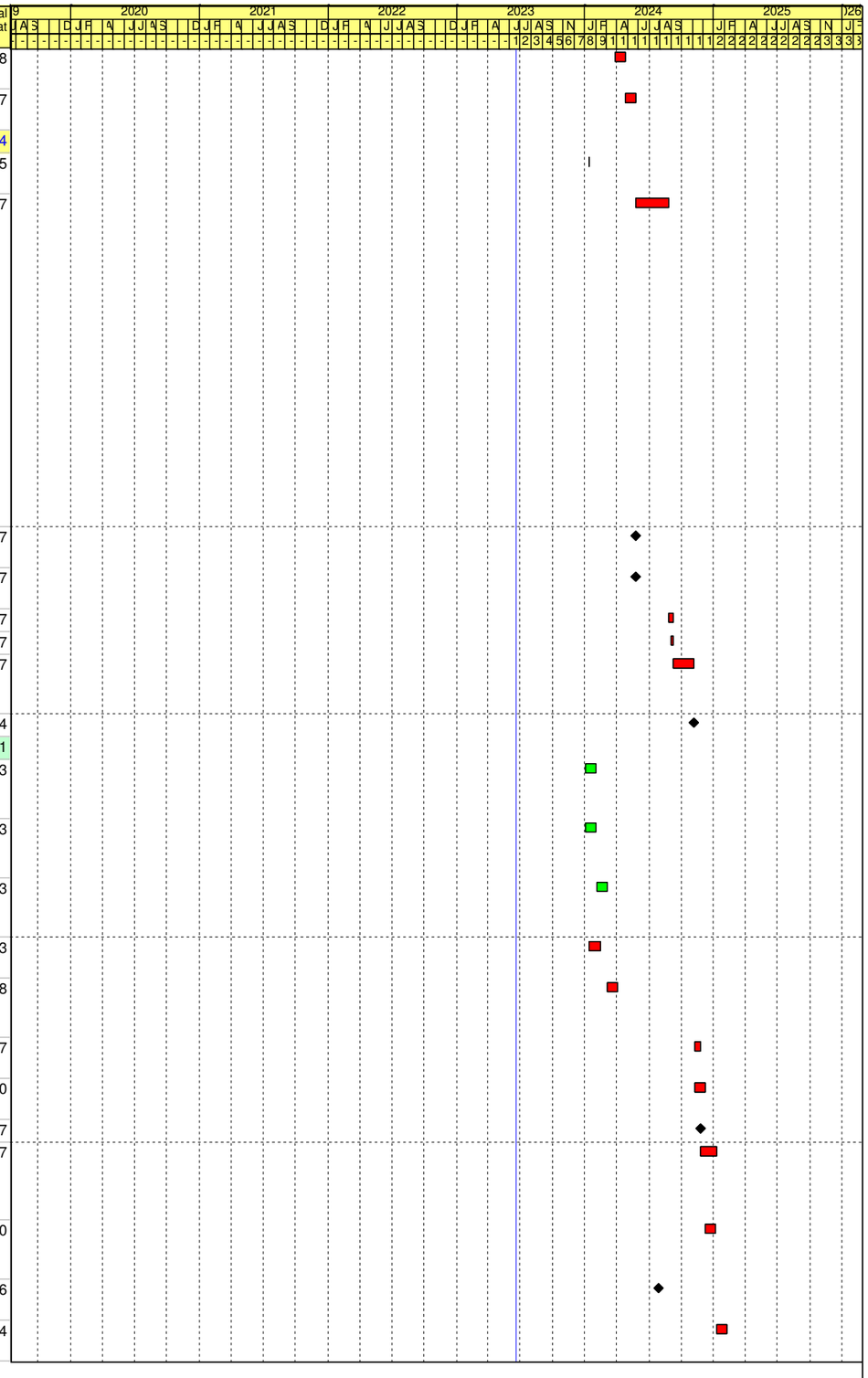
30-Jun-23	Rev.35	IM/LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Successors	Total Float
S3T1140	SAT for Phospaq Reactor	30	27-Mar-24	25-Apr-24	23-Jul-23	21-Aug-23	S3C2130, S3C2100	S3T1170	-248
S3T1150	SAT for Anammox Reactor	30	25-Apr-24	24-May-24	23-Jul-23	21-Aug-23	S3C2140, S3C2110	S3T1170	-277
Process Start Up & Phase 1 Commissioning Test		299	13-Jan-24	06-Nov-24	21-Aug-23	17-Feb-24			-264
S3T1160	Power Energization (Power Provision from DE/2018/04 Contract)	1	13-Jan-24	13-Jan-24	21-Aug-23	21-Aug-23	S3T1120, S3C2410	S3T1270, S3T1170	-145
S3T1170	Process Start Up	92	25-May-24	24-Aug-24	22-Aug-23	21-Nov-23	S3T1190, S3T1180, S3C2420, S3P2140, S3T1160, S3T1130, S3T1100, S3T1110, S3T1060, S3T1040, S3T1090, S3T1010, S3T1020, S3T1080, S3T1150, S3T1140, S3T1000, S3T1050	S3T1200	-277
S3T1180	Existing sludge dewatering facilities Ready (by DE/2018/04 Contract)	0		24-May-24		21-Aug-23		S3T1170	-277
S3T1190	Plant service water from zone B/C Ready (Zone B by DE/2018/04 Contract)	0		24-May-24		21-Aug-23		S3T1170	-277
S3T1200	Submission & Acceptance of Process Start Up Report	14	25-Aug-24	07-Sep-24	22-Nov-23	05-Dec-23	S3T1170	S3T1210	-277
S3T1210	Notice for Commencement of Phase 1 Commissioning Tests	7	01-Sep-24	07-Sep-24	29-Nov-23	05-Dec-23	S3T1200	S3T1220	-277
S3T1220	Phase 1 Commissioning Tests with daily result to PM	60	08-Sep-24	06-Nov-24	06-Dec-23	03-Feb-24	S3T1210	S3T1300, S3T1290, S3T1230	-277
S3T1230	Completion of KD3A	0		06-Nov-24		17-Feb-24	S3T1220	KD1050-2	-264
For Section 3 Completion - Remaining Commissioning Works - 05 Jun 2024		471	04-Jan-24	18-Apr-25	11-Jan-24	12-Jun-24			-311
S3T1240	SAT for FS system	30	04-Jan-24	02-Feb-24	15-Feb-24	16-Mar-24	S3C2520, S3C2460, S3C2480	S3S1170	43
S3T1250	SAT for P&D system	30	04-Jan-24	02-Feb-24	15-Feb-24	16-Mar-24	S3C2450, S3C2470, S3C2510	S3S1170	43
S3T1260	SAT for MVAC System	30	03-Feb-24	03-Mar-24	15-Feb-24	16-Mar-24	S3C2530, S3C2490, S3C2500	S3S1170	13
S3T1270	Essential T&C for FSD Inspection	30	14-Jan-24	12-Feb-24	11-Jan-24	10-Feb-24	S3T1160, S3P2140	S3S1150	-3
S3T1280	SAT for Electrical System (BS)	30	04-Mar-24	02-Apr-24	15-Feb-24	16-Mar-24	S3C2370, S3C2390, S3C2440	S3S1170	-18
S3T1290	Phase 1 Post Commissioning with daily result to PM	19	07-Nov-24	25-Nov-24	04-Feb-24	22-Feb-24	S3T1220	S3T1330, S3T1320	-277
S3T1300	Submission & Acceptance of Phase 1 Commissioning Tests Report	30	07-Nov-24	06-Dec-24	21-Feb-24	22-Mar-24	S3T1220	S3T1330	-260
S3T1310	THP digested sludge centrate from Zone C Ready	0		25-Nov-24		22-Feb-24		S3T1320	-277
S3T1320	Phase 2 Commissioning Tests with daily result to PM	45	26-Nov-24	09-Jan-25	23-Feb-24	07-Apr-24	S3T1310, S3T1290, S3T1340	S3T1350, S3T1360, S3T1370, S5T1200	-277
S3T1330	Submission & Acceptance of Phase 1 Post Commissioning Report	30	07-Dec-24	05-Jan-25	22-Mar-24	21-Apr-24	S3T1290, S3T1340, S3T1300	S3T1350	-260
S3T1340	Ready to Process start up of the first Anaerobic Digester in Zone C	0	28-Jul-24		23-Feb-24		S5T1120	S3T1330, S3T1320	-156
S3T1350	Submission & Acceptance of Phase 2 Commissioning Tests Report	30	10-Jan-25	08-Feb-25	21-Apr-24	21-May-24	S3T1320, S3T1330	S3T1380	-264



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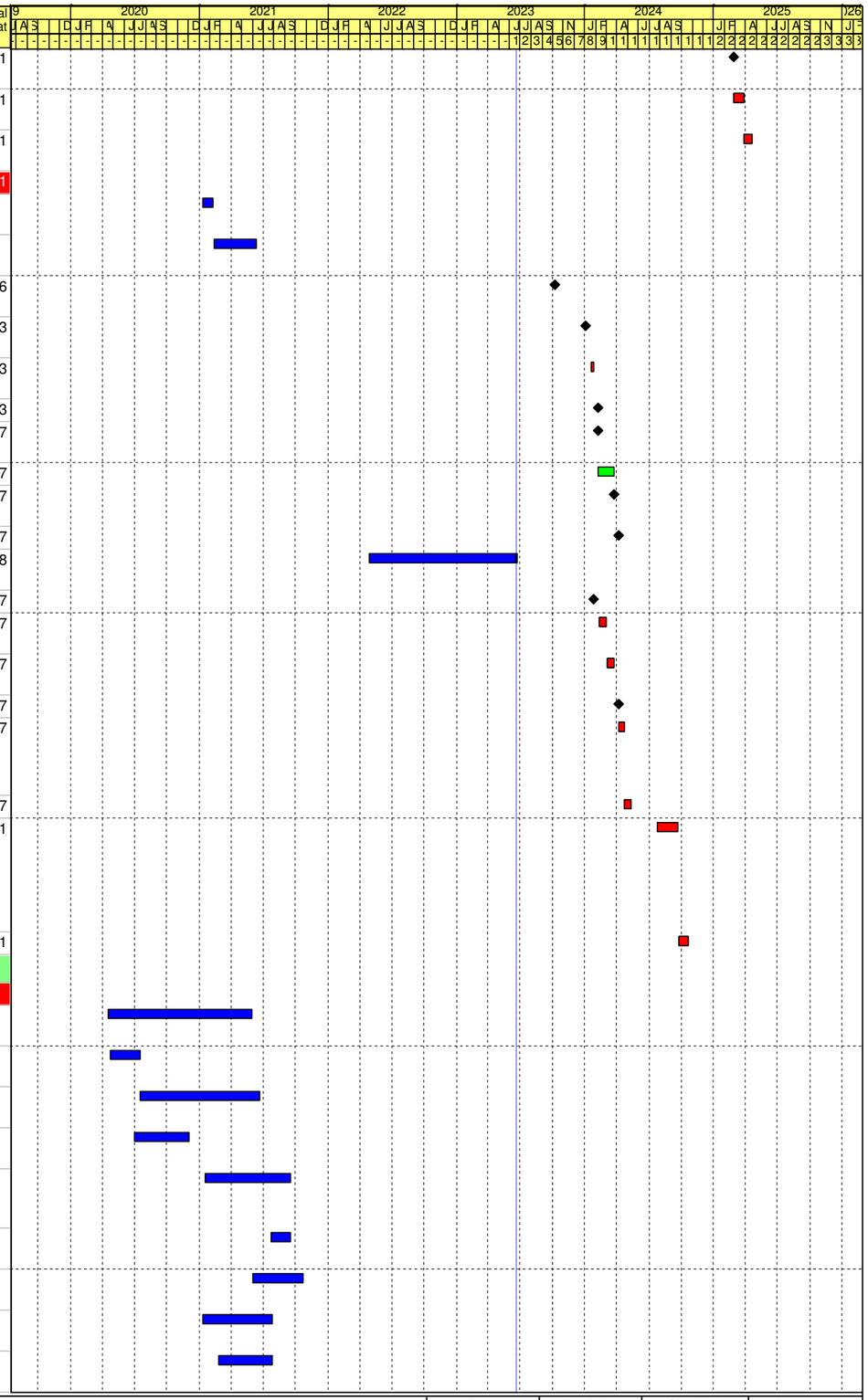
Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Successors	Total Float
S3T1360	Commissioning of new Anaerobic Digesters (2 nos.) in Zone C Finished	0		25-Feb-25		21-Apr-24	S3T1320, S5T1180	S3T1370	-311
S3T1370	Phase 3 Commissioning Tests with daily result to PM	30	26-Feb-25	27-Mar-25	21-Apr-24	21-May-24	S3T1360, S3T1320	S3T1380	-311
S3T1380	Submission & Acceptance of Phase 3 Commissioning Tests Report	22	28-Mar-25	18-Apr-25	21-May-24	12-Jun-24	S3T1370, S3T1350	SC31110	-311
Statutory Submission / Inspection (FSD)		1369	12-Jan-21 A	20-Oct-24	17-Sep-22	12-Jun-24			-131
S3S1000	Prepare & Submit GBP for FSD approval	90	12-Jan-21 A	10-Feb-21 A	17-Sep-22	17-Sep-22		S3S1010	
S3S1010	FSD Review & Approval of GBP	180	11-Feb-21 A	11-Jun-21 A	17-Sep-22	17-Sep-22	S3S1000	S3S1150, S3C1100	
S3S1020	Submit WWO46 Part I/II to WSD (FS / PD)	0	06-Oct-23		13-Apr-23		S3D1550, S3D1510	S3C2460, S3C2450	-176
S3S1030	Submit WWO46 Part IV to WSD (FS / PD)	0	04-Jan-24		06-Jan-24		S3C2510, S3C2520	S3S1040	3
S3S1040	WSD Inspection	7	18-Jan-24	24-Jan-24	20-Jan-24	27-Jan-24	S3S1030	S3S1060, S3S1050	3
S3S1050	Issuance of FS Water Certificate	0		07-Feb-24		10-Feb-24	S3S1040	S3S1150	3
S3S1060	Issuance of Form WWO46 Part Va	0		07-Feb-24		14-Apr-24	S3S1040	S3S1080, S3S1070	67
S3S1070	System Flushing / Sampling	45	08-Feb-24	23-Mar-24	14-Apr-24	29-May-24	S3S1060	S3S1080	67
S3S1080	Issuance of Form WWO46 Part Vb	0		23-Mar-24		29-May-24	S3S1060, S3S1070	S3S1090	67
S3S1090	Issuance of Water Certificate	0		06-Apr-24		12-Jun-24	S3S1080	SC31110	67
S3S1100	Submission & Approval of DG Application to FSD	180	29-Apr-22 A	21-Jun-23	16-Oct-23	17-Oct-23		S3C2160	118
S3S1110	Submit Application to FSD for DG Licence	0	27-Jan-24		01-Dec-23		S3C2160	S3S1120	-57
S3S1120	D.G. Inspection, Defects Rectification & Re-inspection (Ventilation Division)	21	11-Feb-24	02-Mar-24	16-Dec-23	06-Jan-24	S3S1110	S3S1130	-57
S3S1130	D.G. Inspection, Defects Rectification & Re-inspection (DG Division)	21	03-Mar-24	23-Mar-24	06-Jan-24	27-Jan-24	S3S1120	S3S1140	-57
S3S1140	DG Licence issued	0		06-Apr-24		10-Feb-24	S3S1130	S3S1150	-57
S3S1150	Prepare & Submit FS/314, FS/501 & FS/501a	14	07-Apr-24	20-Apr-24	10-Feb-24	24-Feb-24	S3S1010, S3S1140, S3S1050, S3T1270	S3S1160	-57
S3S1160	FSD Review & Approval of FS/314, FS/501 & FS/501a	21	21-Apr-24	11-May-24	24-Feb-24	16-Mar-24	S3S1150	S3S1170	-57
S3S1170	F.S. Inspection, Defects Rectification & Re-inspection	60	25-Jul-24	22-Sep-24	16-Mar-24	15-May-24	S3S1160, S3C1150, S3T1240, S3T1250, S3T1260, S3T1280	S3S1180	-131
S3S1180	Issuance of Acceptance Letter	28	23-Sep-24	20-Oct-24	15-May-24	12-Jun-24	S3S1170	SC31110	-131
Section 4 - Complete Construction & T&C for UV System No.1 & EP Stat		932	18-Apr-20 A	14-Sep-22 A	18-Oct-22	14-May-25			
Major Plant & Materials Fabrication & Delivery		725	18-Apr-20 A	16-Mar-22 A	18-Feb-23	14-May-25			
S4P1000	Procurement & PO for FRP Cover	409	18-Apr-20 A	31-May-21 A	18-Feb-23	18-Feb-23	PL1010	S4P1090	
S4P1010	Procurement & PO for Pipeworks & Associated Valves	90	25-Apr-20 A	15-Jul-20 A	18-Feb-23	18-Feb-23	S1D1000	S4P1130	
S4P1020	Procurement & PO for Elec. Materials	365	18-Jul-20 A	22-Jun-21 A	14-May-25	14-May-25	S1D1130	S4P1140	
S4P1030	Procurement & PO for FS System	60	02-Jul-20 A	04-Dec-20 A	14-May-25	14-May-25	S1D1330	S4P1150	
S4P1040	Fabrication of UV Disinfection System	239	18-Jan-21 A	17-Sep-21 A	18-Feb-23	18-Feb-23	S1P1000, KD1000, S1D1210	S4C1080, S4P1050	
S4P1050	FAT for UV Disinfection System	71	23-Jul-21 A	17-Sep-21 A	18-Feb-23	18-Feb-23	S4P1040	S4P1060	
S4P1060	Delivery of UV Disinfection System	149	01-Jun-21 A	22-Oct-21 A	18-Feb-23	18-Feb-23	S4P1050	S4C1080	
S4P1070	Fabrication & Delivery of Lift-up Pumps	225	11-Jan-21 A	26-Jul-21 A	18-Feb-23	18-Feb-23	S1P1010, S1D1290	S4C1040	
S4P1080	Fabrication & Delivery of Transfer Pumps	218	26-Feb-21 A	26-Jul-21 A	18-Feb-23	18-Feb-23	S1P1020, S1D1290	S5UVPC1000	



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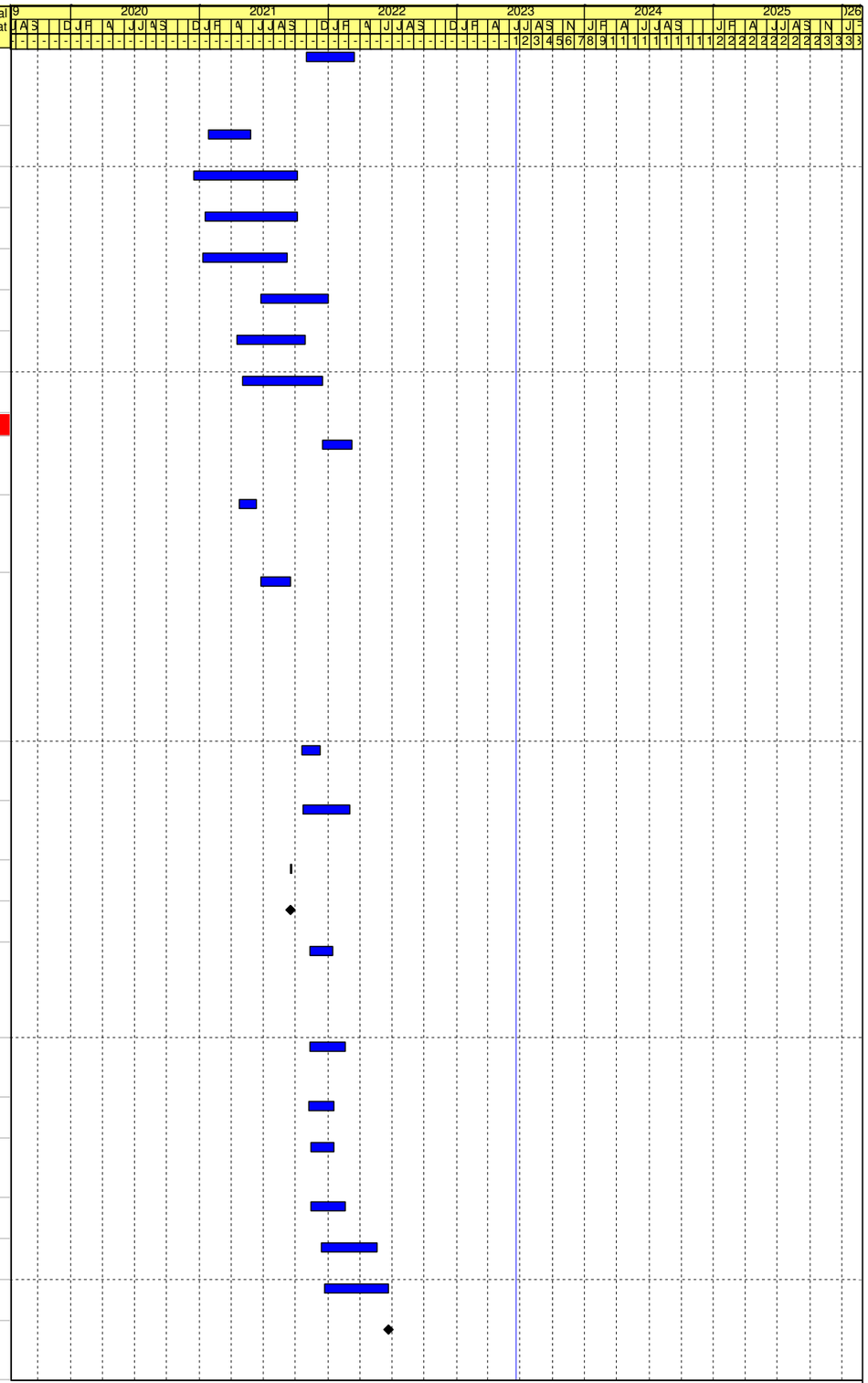
S4P1090	Fabrication & Delivery of FRP Cover	89	01-Nov-21 A	16-Mar-22 A	18-Feb-23	18-Feb-23	S1D1290, S4P1000, S1P1020, PL1010	S4T1010	
S4P1100	Fabrication & Delivery of EOT Cranes (2T & 5T)	170	28-Jan-21 A	27-May-21 A	18-Feb-23	18-Feb-23	S1P1030, S1D1290	S4C1020	
S4P1110	Fabrication & Delivery of Stoplogs	289	16-Dec-20 A	07-Oct-21 A	18-Feb-23	18-Feb-23	S1P1040, S1D1290	S4C1070	
S4P1120	Fabrication & Delivery of Penstocks	256	18-Jan-21 A	07-Oct-21 A	18-Feb-23	18-Feb-23	S1P1050, S1D1290	S4C1070	
S4P1130	Fabrication & Delivery of Pipeworks & Associated Valves	200	11-Jan-21 A	08-Sep-21 A	18-Feb-23	18-Feb-23	S4P1010, S1D1290	S4C1040	
S4P1140	Fabrication & Delivery of Elec. Materials	190	24-Jun-21 A	31-Dec-21 A	14-May-25	14-May-25	S4P1020, S1D1330	S4C1120	
S4P1150	Fabrication & Delivery of FS System	187	18-Apr-21 A	28-Oct-21 A	14-May-25	14-May-25	S4P1030, S1D1330	S4C1100	
S4P1160	Fabrication & Delivery of Temp. Switchboard	194	05-May-21 A	15-Dec-21 A	18-Feb-23	18-Feb-23		S4C1000	
E&M Installation		449	25-Apr-21 A	23-Jun-22 A	18-Oct-22	14-May-25			
S4C1000	Provision of Temporary Power for UV System No.1 & Effluent Transfer Pumping Station	45	15-Dec-21 A	11-Mar-22 A	18-Feb-23	18-Feb-23	S4C1010, S1D1130, S4P1160	S4T1010, S4C1140	
S4C1010	Mobilisation (Partial Access on 24 Apr 2021, Remaining Access on 12 May 2021)	30	25-Apr-21 A	12-Jun-21 A	18-Oct-22	18-Oct-22	AD1010, S1D1130, AD1020	S4C1020, S5TXRC1030, S4C1090, S4C1000	
S4C1020	E&M Installation of EOT Cranes (2T)	46	25-Jun-21 A	17-Sep-21 A	18-Feb-23	18-Feb-23	S1D1180, S1D1260, S4C1010, S4P1100	S4T1010, S4C1030, S4C1040, S4C1110, S4C1090, S4T1000, S4C1080, S4C1070, PL1200	
S4C1030	E&M Installation of EOT Cranes (5T)	60	20-Oct-21 A	11-Dec-21 A	18-Feb-23	18-Feb-23	S4C1020	S5UVPC1000, S4T1000, PL1200	
S4C1040	E&M Installation of Transfer Pumps & Associated Pipeworks / Valves	103	21-Oct-21 A	05-Mar-22 A	18-Feb-23	18-Feb-23	S4C1020, S4P1070, S4P1130	S5TXRC1050, S4T1010, PL1200	
S4C1050	Preperation Works for E&M Installation of Penstocks & Stoplogs	3	17-Sep-21 A	19-Sep-21 A	18-Feb-23	18-Feb-23		S4C1070	
S4C1060	CNE-014 Access to and use to Portion C-1A for Installation of EOT, UV Equipment and Effluent Transfer Pump	0	16-Sep-21 A					S4C1070	
S4C1070	E&M Installation of Penstocks & Stoplogs (Impacted by CNE-014)	66	11-Nov-21 A	15-Jan-22 A	18-Feb-23	18-Feb-23	S4P1110, S4P1120, S4C1020, S4C1050, S4C1060	S4T1010, S5TXRC1050, PL1200	
S4C1080	E&M Installation of UV System	44	11-Nov-21 A	19-Feb-22 A	18-Feb-23	18-Feb-23	S4P1040, S4P1060, S4C1020	S4T1010, S5TXRC1050, PL1200	
S4C1090	FS Installation - Conduits, Trunking, & Pipeworks	74	08-Nov-21 A	18-Jan-22 A	14-May-25	14-May-25	S4C1010, S4C1020	S4C1100, PL1200	
S4C1100	FS Installation - Cable Laying, Termination, Associated Fitting & Field Devices	67	15-Nov-21 A	18-Jan-22 A	14-May-25	14-May-25	S4P1150, S4C1090	SC41110, S4S1010, PL1200	
S4C1110	BS Fitting Installation - Conduits, Trunking, & Ductworks	111	15-Nov-21 A	19-Feb-22 A	14-May-25	14-May-25	S4C1020, S1D1310	S4C1120, PL1200	
S4C1120	BS Fitting Installation - Cable Laying, Termination, Associated Fitting & Field Devices	139	13-Dec-21 A	21-May-22 A	14-May-25	14-May-25	S4C1110, S4P1140	S4C1150, PL1200	
S4C1130	Excavation Works & Cable Laying - by CLP (Impacted by CNE-035)	184	22-Dec-21 A	23-Jun-22 A	18-Feb-23	18-Feb-23		S4C1140	
S4C1140	Ready for Power Energization	0		23-Jun-22 A			S4C1000, S4C1130, S4S1000	S4S1030, S4T1010	



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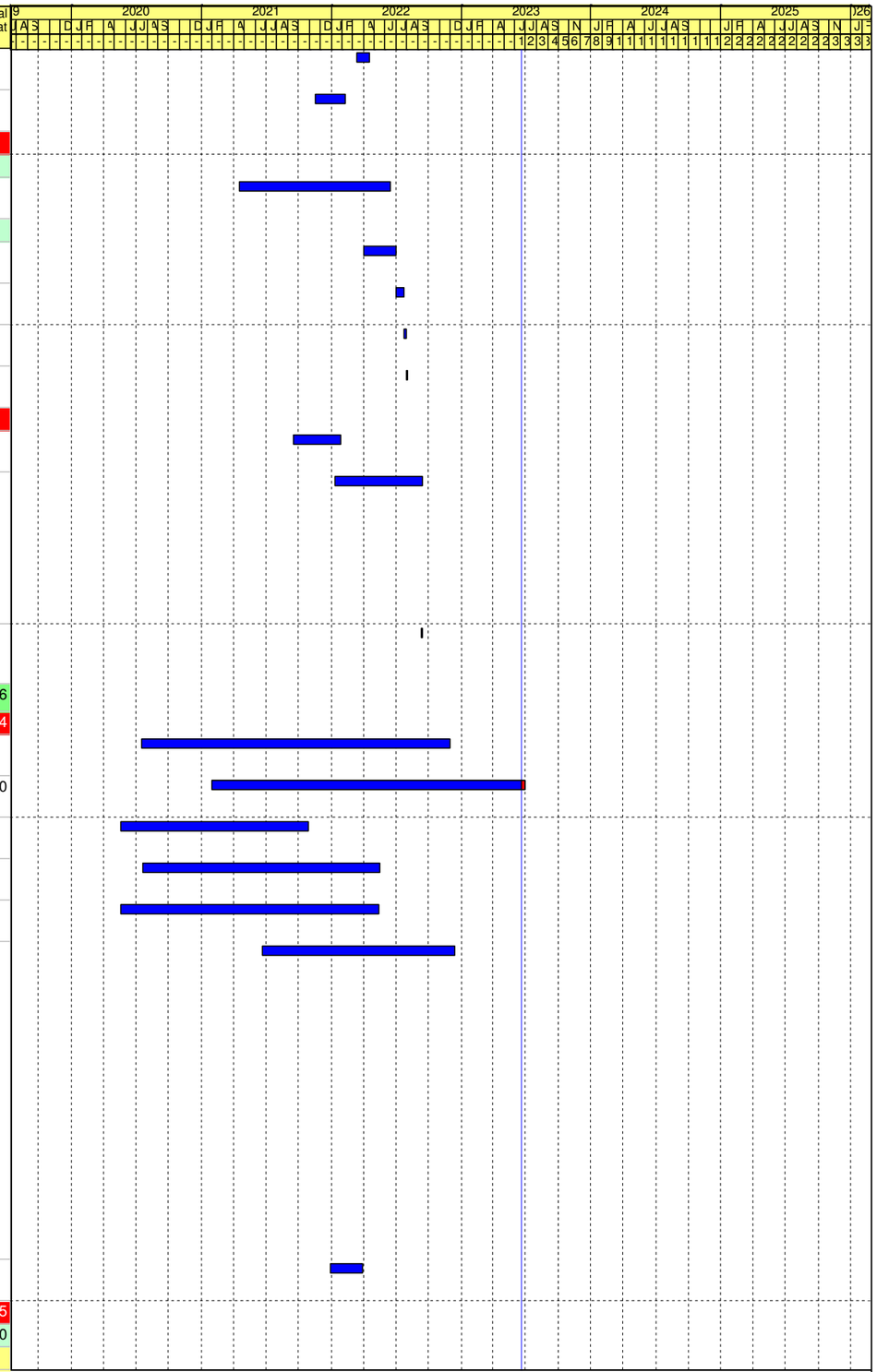
S4C1150	Installation of CCTV System	37	14-Mar-22 A	19-Apr-22 A	14-May-25	14-May-25	S4C1120	SC41110, PL1200	
S4C1160	Installation of FS Link	84	17-Nov-21 A	08-Feb-22 A	14-May-25	14-May-25		S4S1010, PL1200	
Statutory Submission / Inspection		511	17-Apr-21 A	02-Aug-22 A	18-Feb-23	14-May-25			
CLP Submission		425	17-Apr-21 A	15-Jun-22 A	18-Feb-23	18-Feb-23			
S4S1000	Submission & Approval of Electrical Schematic Wiring Diagram to CLP (Temp. Power)	425	17-Apr-21 A	15-Jun-22 A	18-Feb-23	18-Feb-23		S4C1140	
FSD Submission & Inspection		176	01-Apr-22 A	02-Aug-22 A	14-May-25	14-May-25			
S4S1010	Prepare & Submit FS/314, FS/501 & FS/501a	91	01-Apr-22 A	30-Jun-22 A	14-May-25	14-May-25	S4C1100, S4C1160	S4S1020	
S4S1020	FSD Review & Approval of FS/314, FS/501 & FS/501a	25	01-Jul-22 A	25-Jul-22 A	14-May-25	14-May-25	S4S1010	S4S1030	
S4S1030	F.S. Inspection, Defects Rectification & Re-inspection	4	26-Jul-22 A	29-Jul-22 A	14-May-25	14-May-25	S4S1020, S4C1140	S4S1040	
S4S1040	Issuance of Acceptance Letter	14	30-Jul-22 A	02-Aug-22 A	14-May-25	14-May-25	S4S1030	SC41110	
Testing & Commissioning		329	18-Sep-21 A	14-Sep-22 A	18-Feb-23	18-Feb-23			
S4T1000	T&C and R.P.E inspection for EOT Cranes	133	18-Sep-21 A	28-Jan-22 A	18-Feb-23	18-Feb-23	S4C1020, S4C1030	S4T1010	
S4T1010	SAT for UV System No. 1 & Effluent Transfer Pumping Station No. 1 (Impacted by CNE-035)	217	10-Jan-22 A	14-Sep-22 A	18-Feb-23	18-Feb-23	S4C1020, S4C1070, S4C1080, S4C1000, S4T1000, S4C1040, S4P1090, S4C1140	S4T1020	
S4T1020	System Commissioning Tests	3	11-Sep-22 A	14-Sep-22 A	18-Feb-23	18-Feb-23	S4T1010	SC41110, PL1290, S5UVPC1000	
Section 5 - Complete all remaining Works (incl. T&C)		1797	18-May-20 A	18-Apr-25	25-Jul-22	14-May-25			26
Fabrication, FAT & Delivery of Major Plant & Materials		1146	18-May-20 A	30-Jun-23	15-Aug-22	14-May-25			684
S5P1000	Procurement & PO for Biogas Booster and Transfer Pumps	735	17-Jul-20 A	30-Nov-22 A	03-Jun-23	03-Jun-23	S2P1000	S5BIOP1000	
S5P1010	Procurement & PO for Pipeworks & Associated Valves	883	29-Jan-21 A	30-Jun-23	15-Aug-22	24-Aug-22	S2D1070	S5CHPP1070, S5DIGP1020	-310
S5P1020	Procurement & PO for Lifting Appliances	530	18-May-20 A	29-Oct-21 A	14-May-25	14-May-25	S2P1020		
S5P1030	Procurement & PO for Ferric Chloride Storage Tank	668	20-Jul-20 A	18-May-22 A	15-Nov-22	15-Nov-22	S2P1000	S5FCDP1000	
S5P1040	Procurement & PO for Ferric Chloride Dosing Pump	726	18-May-20 A	13-May-22 A	15-Feb-23	15-Feb-23	S2P1020	S5FCDP1010	
S5P1050	Procurement & PO for Electrical Sub-contractor	396	21-Jun-21 A	14-Dec-22 A	18-Oct-22	18-Oct-22	PL1010, S2P1130, S2D1370, S2D1570, S2D1270, S2D1310, S2D1430, S2D1470, S2D1510, S2D1630, S2D1670	S5SDBC1170, S5SDBC1310, S5SDBC1540, S5CHPC1100, S5CHPC1230, S5CHPC1290, S5TXRC1030, S5TXRC1040, S5DIGC1120, S5DIGC1160, S5DIGC1200, S5DIGC1260, S5EXAC1030, S5EXAC1080, S5EXAC1100, S5EXAC1110, S5EXAC1070	
S5P1070	Procurement & PO for mechanical ventilation system	90	28-Dec-21 A	28-Mar-22 A	14-May-25	14-May-25			
Sludge Dewatering Building		1324	11-Aug-21 A	15-Mar-24	23-Aug-22	14-May-25			425
Procurement, Fabrication, FAT & Delivery of Major Plant & Materials		1245	11-Aug-21 A	27-Dec-23	23-Aug-22	19-Sep-23			-100
Procurement		949	31-Jul-22 A	31-Mar-23 A	25-Aug-22	22-Feb-23			



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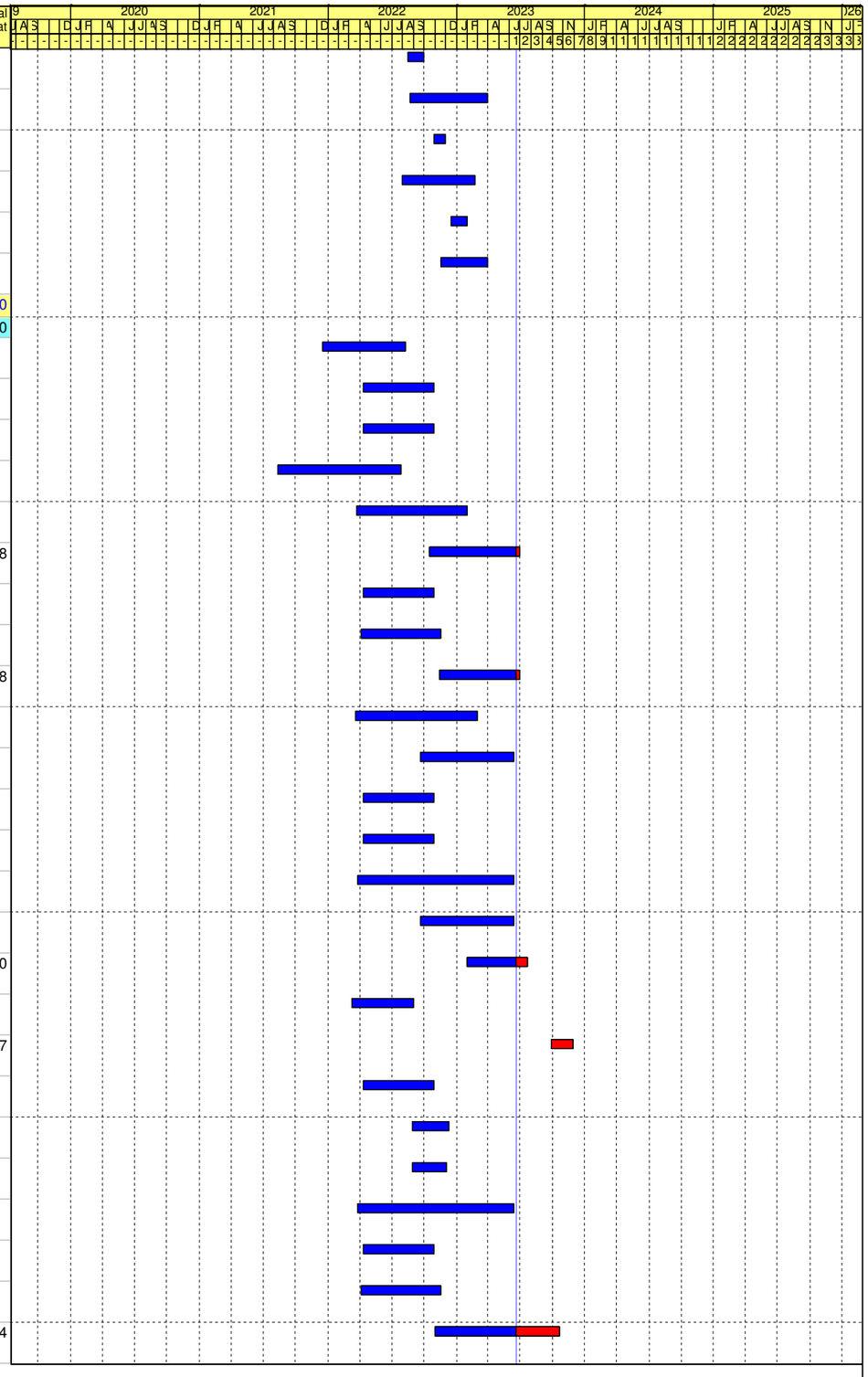
31-May-23	Rev.34	IM/LT	KM
30-Jun-23	Rev.35	IM/LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Successors	Total Float
S5SDBP1000	Procurement & PO for DI pipework (B/F)	45	17-Aug-22 A	30-Sep-22 A	05-Oct-22	05-Oct-22		S5SDBP1630	
S5SDBP1010	Procurement & PO for DI pipework (G/F and 1/F)	160	24-Aug-22 A	31-Mar-23 A	25-Aug-22	25-Aug-22		S5SDBP1640	
S5SDBP1020	Procurement & PO for FRP ductworks	45	31-Oct-22 A	30-Nov-22 A	22-Feb-23	22-Feb-23		S5SDBP1650	
S5SDBP1030	Procurement & PO for Genset	174	31-Jul-22 A	22-Feb-23 A	17-Sep-22	17-Sep-22		S5SDBP1670	
S5SDBP1040	Procurement & PO for Process Water Pumps	45	17-Dec-22 A	30-Jan-23 A	25-Aug-22	25-Aug-22		S5SDBP1210	
S5SDBP1050	Procurement & PO for Sludge Skip (PS Screen & Dewatering Screen)	75	18-Nov-22 A	31-Mar-23 A	04-Feb-23	04-Feb-23		S5SDBP1230	
Mechanical		778	11-Aug-21 A	27-Dec-23	25-Aug-22	19-Sep-23			-100
Fabrication and FAT		748	11-Aug-21 A	27-Nov-23	25-Aug-22	19-Sep-23			-70
S5SDBP1060	Fabrication & Delivery of Lift	210	18-Dec-21 A	10-Aug-22 A	19-Sep-23	19-Sep-23		S5SDBC1780	
S5SDBP1070	Fabrication & FAT of External Sludge Transfer Pump	201	11-Apr-22 A	28-Oct-22 A	31-Oct-22	31-Oct-22		S5SDBP1400	
S5SDBP1080	Fabrication & FAT of PS Screen Feed Pump	201	11-Apr-22 A	28-Oct-22 A	11-Feb-23	11-Feb-23		S5SDBP1490	
S5SDBP1090	Fabrication & FAT of Sludge Screen	350	11-Aug-21 A	26-Jul-22 A	23-Feb-23	23-Feb-23		S5SDBP1520	
S5SDBP1100	Fabrication and FAT of Centrate Transfer Pumps	313	25-Mar-22 A	31-Jan-23 A	15-Sep-22	15-Sep-22		S5SDBP1360	
S5SDBP1110	Fabrication and FAT of Conveyor	257	17-Oct-22 A	30-Jun-23	24-Jan-23	02-Feb-23		S5SDBP1370	-148
S5SDBP1120	Fabrication and FAT of Dewatering Centrifuge Feed Pumps	201	11-Apr-22 A	28-Oct-22 A	24-Oct-22	24-Oct-22		S5SDBP1380	
S5SDBP1130	Fabrication and FAT of Dewatering Polymer Powder Unit	226	06-Apr-22 A	17-Nov-22 A	16-Oct-22	16-Oct-22	S5SDBP1290	S5SDBP1390	
S5SDBP1140	Fabrication and FAT of FRP Tank (Thickening & Dewatering Polymer Dosing System)	229	14-Nov-22 A	30-Jun-23	15-Nov-22	24-Nov-22		S5SDBP1410	-218
S5SDBP1150	Fabrication and FAT of Hoist	197	21-Mar-22 A	28-Feb-23 A	05-Dec-22	05-Dec-22		S5SDBP1420	
S5SDBP1160	Fabrication and FAT of Mixers (Digested Sludge Holding Tank)	266	22-Sep-22 A	14-Jun-23 A	30-Jan-23	30-Jan-23		S5SDBP1430	
S5SDBP1170	Fabrication and FAT of Polymer Dosing Pumps	201	11-Apr-22 A	28-Oct-22 A	03-Apr-23	03-Apr-23		S5SDBP1440	
S5SDBP1180	Fabrication and FAT of Polymer Transfer Pumps	201	11-Apr-22 A	28-Oct-22 A	24-Oct-22	24-Oct-22		S5SDBP1450	
S5SDBP1190	Fabrication and FAT of Preparation Tank Mixers	310	28-Mar-22 A	14-Jun-23 A	10-Jan-23	10-Jan-23		S5SDBP1460	
S5SDBP1200	Fabrication and FAT of Primary Sludge Holding Tank Mixer	266	22-Sep-22 A	14-Jun-23 A	30-Jan-23	30-Jan-23		S5SDBP1470	
S5SDBP1210	Fabrication and FAT of Process Water Pumps	179	31-Jan-23 A	20-Jul-23	25-Aug-22	23-Sep-22	S5SDBP1040	S5SDBP1480	-300
S5SDBP1220	Fabrication and FAT of Recirculation Pumps	175	10-Mar-22 A	31-Aug-22 A	17-Oct-22	17-Oct-22		S5SDBP1500	
S5SDBP1230	Fabrication and FAT of Sludge Skip (PS Screen & Dewatering Screen)	60	29-Sep-23*	27-Nov-23	04-Feb-23	04-Apr-23	S5SDBP1050	S5SDBP1530	-237
S5SDBP1240	Fabrication and FAT of Sludge Transfer Pumps (THP By Pass)	201	11-Apr-22 A	28-Oct-22 A	24-Oct-22	24-Oct-22		S5SDBP1550	
S5SDBP1250	Fabrication and FAT of Steel Work (EOT)	60	29-Aug-22 A	09-Dec-22 A	05-Dec-22	05-Dec-22		S5SDBP1560	
S5SDBP1260	Fabrication and FAT of Steel Work (Monorails)	60	29-Aug-22 A	03-Dec-22 A	11-Feb-23	11-Feb-23		S5SDBP1570	
S5SDBP1270	Fabrication and FAT of Storage Tank Mixers	444	28-Mar-22 A	14-Jun-23 A	10-Jan-23	10-Jan-23		S5SDBP1580	
S5SDBP1280	Fabrication and FAT of Thickening Centrifuge Feed Pump	201	11-Apr-22 A	28-Oct-22 A	24-Oct-22	24-Oct-22		S5SDBP1590	
S5SDBP1290	Fabrication and FAT of Thickening Polymer Powder Unit	226	06-Apr-22 A	17-Nov-22 A	16-Oct-22	16-Oct-22		S5SDBP1600, S5SDBP1130	
S5SDBP1300	Fabrication and FAT of Thickening Sludge Silo	270	01-Nov-22 A	20-Oct-23	29-Nov-22	30-Mar-23		S5SDBP1610	-204



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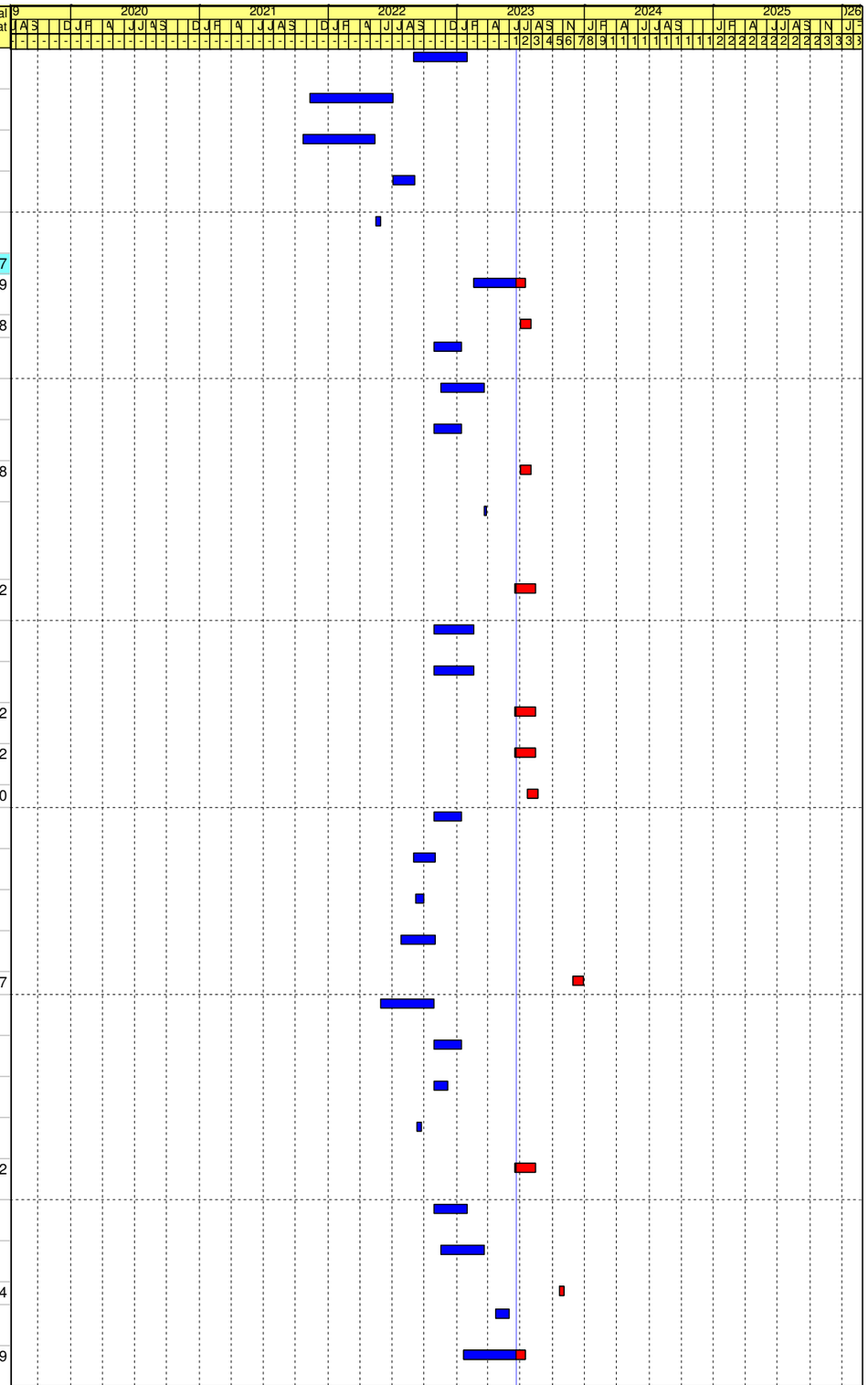
Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Successors	Total Float
S5SDBP1310	Fabrication and FAT of THP Feed Pump	100	31-Aug-22 A	31-Jan-23 A	11-Feb-23	11-Feb-23		S5SDBP1620	
S5SDBP1320	Fabrication of Sludge Dewatering Centrifuges	238	10-Nov-21 A	05-Jul-22 A	04-Jan-23	04-Jan-23		S5SDBP1340	
S5SDBP1330	Fabrication of Sludge Thickening Centrifuges	206	22-Oct-21 A	15-May-22 A	05-Dec-22	05-Dec-22		S5SDBP1350	
S5SDBP1340	FAT of Sludge Dewatering Centrifuges	62	06-Jul-22 A	05-Sep-22 A	04-Jan-23	04-Jan-23	S5SDBP1320	S5SDBP1510	
S5SDBP1350	FAT of Sludge Thickening Centrifuges	16	16-May-22 A	31-May-22 A	05-Dec-22	05-Dec-22	S5SDBP1330	S5SDBP1540	
Delivery		463	01-Jun-22 A	27-Dec-23	25-Aug-22	04-May-23			-237
S5SDBP1360	Delivery of Centrate Transfer Pumps	135	21-Feb-23 A	15-Jul-23	15-Sep-22	09-Oct-22	S5SDBP1100	S5SDBC1030	-279
S5SDBP1370	Delivery of Conveyor	30	01-Jul-23	30-Jul-23	03-Feb-23	04-Mar-23	S5SDBP1110	S5SDBC1260	-148
S5SDBP1380	Delivery of Dewatering Centrifuges Feed Pumps	78	29-Oct-22 A	14-Jan-23 A	24-Oct-22	24-Oct-22	S5SDBP1120	S5SDBC1040	
S5SDBP1390	Delivery of Dewatering Polymer Powder Unit	30	18-Nov-22 A	20-Mar-23 A	16-Oct-22	16-Oct-22	S5SDBP1130	S5SDBC1050	
S5SDBP1400	Delivery of External Sludge Transfer Pump	78	29-Oct-22 A	14-Jan-23 A	31-Oct-22	31-Oct-22	S5SDBP1070	S5SDBC1070	
S5SDBP1410	Delivery of FRP Tank (Thickening & Dewatering Polymer Dosing System)	30	01-Jul-23	30-Jul-23	25-Nov-22	24-Dec-22	S5SDBP1140	S5SDBC1480, S5SDBC1060	-218
S5SDBP1420	Delivery of Hoist	8	21-Mar-23 A	28-Mar-23 A	05-Dec-22	05-Dec-22	S5SDBP1150	S5SDBC1230, S5SDBC1450, S5SDBC1400, S5SDBC1390	
S5SDBP1430	Delivery of Mixers (Digested Sludge Holding Tank)	60	15-Jun-23 A	13-Aug-23	30-Jan-23	24-Mar-23	S5SDBP1160	S5SDBC1420	-142
S5SDBP1440	Delivery of Polymer Dosing Pumps	78	29-Oct-22 A	20-Feb-23 A	03-Apr-23	03-Apr-23	S5SDBP1170	S5SDBC1500, S5SDBC1520	
S5SDBP1450	Delivery of Polymer Transfer Pumps	138	29-Oct-22 A	20-Feb-23 A	24-Oct-22	24-Oct-22	S5SDBP1180	S5SDBC1130, S5SDBC1280	
S5SDBP1460	Delivery of Preparation Tank Mixers	60	15-Jun-23 A	13-Aug-23	10-Jan-23	04-Mar-23	S5SDBP1190	S5SDBC1430, S5SDBC1090	-162
S5SDBP1470	Delivery of Primay Sludge Holding Tank Mixer	60	15-Jun-23 A	13-Aug-23	30-Jan-23	24-Mar-23	S5SDBP1200	S5SDBC1440	-142
S5SDBP1480	Delivery of Process Water Pumps	30	21-Jul-23	19-Aug-23	24-Sep-22	23-Oct-22	S5SDBP1210	S5SDBC1110	-300
S5SDBP1490	Delivery of PS Screen Feed Pump	78	29-Oct-22 A	14-Jan-23 A	11-Feb-23	11-Feb-23	S5SDBP1080	S5SDBC1250	
S5SDBP1500	Delivery of Recirculation Pumps	60	01-Sep-22 A	31-Oct-22 A	17-Oct-22	17-Oct-22	S5SDBP1220	S5SDBC1120, S5SDBC1150	
S5SDBP1510	Delivery of Sludge Dewatering Centrifuges	24	07-Sep-22 A	30-Sep-22 A	04-Jan-23	04-Jan-23	S5SDBP1340	S5SDBC1490	
S5SDBP1520	Delivery of Sludge Screen Press	76	27-Jul-22 A	31-Oct-22 A	23-Feb-23	23-Feb-23	S5SDBP1090	S5SDBC1470	
S5SDBP1530	Delivery of Sludge Skip (PS Screen & Dewatering Screen)	30	28-Nov-23	27-Dec-23	05-Apr-23	04-May-23	S5SDBP1230	S5SDBC1300	-237
S5SDBP1540	Delivery of Sludge Thickening Centrifuges	143	01-Jun-22 A	28-Oct-22 A	05-Dec-22	05-Dec-22	S5SDBP1350	S5SDBC1510	
S5SDBP1550	Delivery of Sludge Transfer Pumps (THP By Pass)	78	29-Oct-22 A	14-Jan-23 A	24-Oct-22	24-Oct-22	S5SDBP1240	S5SDBC1150	
S5SDBP1560	Delivery of Steel Work (EOT)	40	28-Oct-22 A	06-Dec-22 A	05-Dec-22	05-Dec-22	S5SDBP1250	S5SDBC1400, S5SDBC1390	
S5SDBP1570	Delivery of Steel Work (Monorails)	14	12-Sep-22 A	25-Sep-22 A	11-Feb-23	11-Feb-23	S5SDBP1260	S5SDBC1230, S5SDBC1450	
S5SDBP1580	Delivery of Storage Tank Mixers	60	15-Jun-23 A	13-Aug-23	10-Jan-23	04-Mar-23	S5SDBP1270	S5SDBC1430, S5SDBC1090	-162
S5SDBP1590	Delivery of Thickening Centrifuges Feed Pump	95	29-Oct-22 A	31-Jan-23 A	24-Oct-22	24-Oct-22	S5SDBP1280	S5SDBC1140	
S5SDBP1600	Delivery of Thickening Polymer Powder Unit	75	18-Nov-22 A	20-Mar-23 A	16-Oct-22	16-Oct-22	S5SDBP1290	S5SDBC1270, S5SDBC1050	
S5SDBP1610	Delivery of Thickening Sludge Silo	14	21-Oct-23	03-Nov-23	31-Mar-23	13-Apr-23	S5SDBP1300	S5SDBC1260	-204
S5SDBP1620	Delivery of THP Feed Pump	32	21-Apr-23 A	30-May-23 A	11-Feb-23	11-Feb-23	S5SDBP1310	S5SDBC1290	
S5SDBP1630	Fabrication and delivery of DI pipework (B/F)	146	21-Jan-23 A	16-Jul-23	05-Oct-22	30-Oct-22	S5SDBP1000	S5SDBC1100	-259



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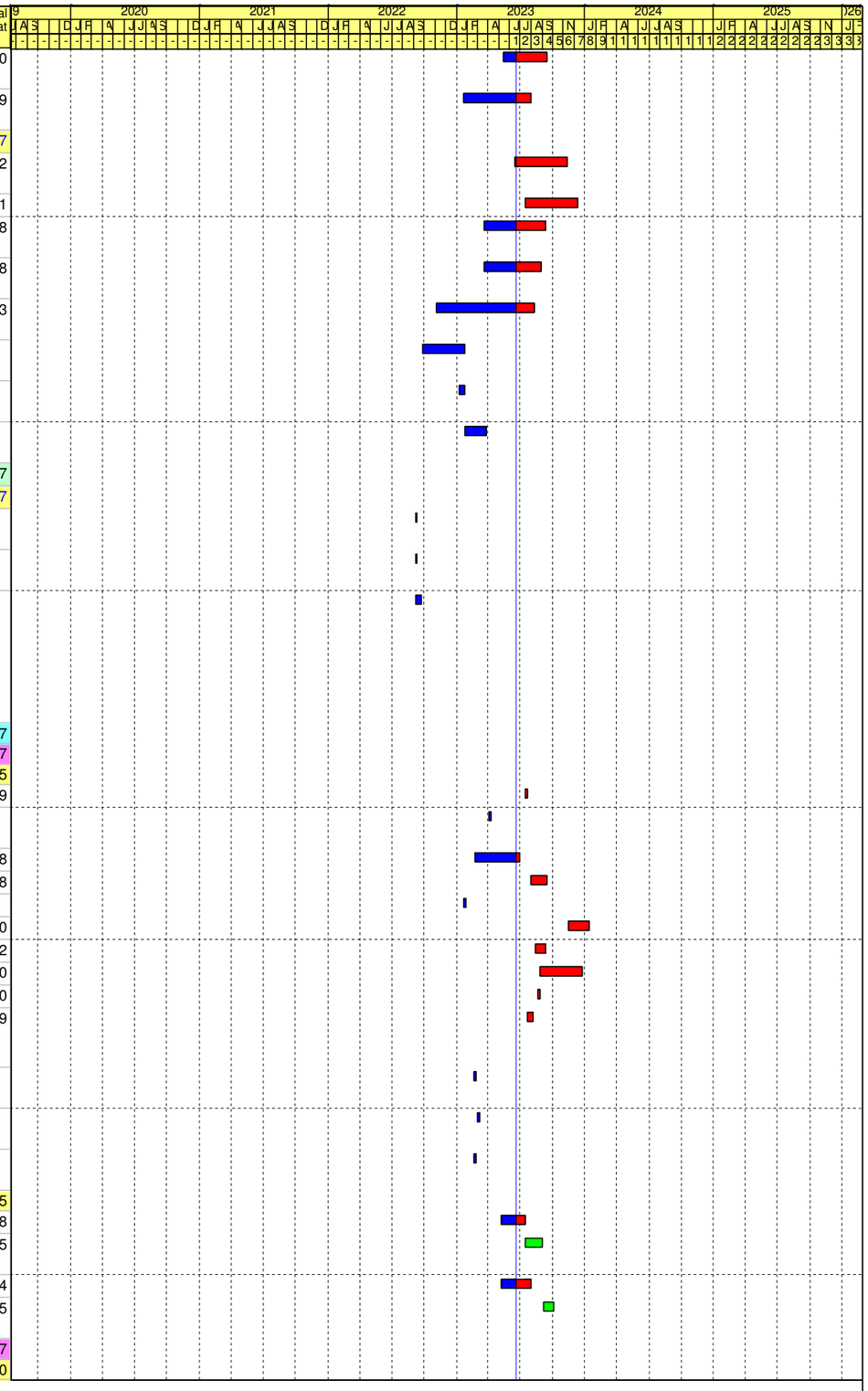
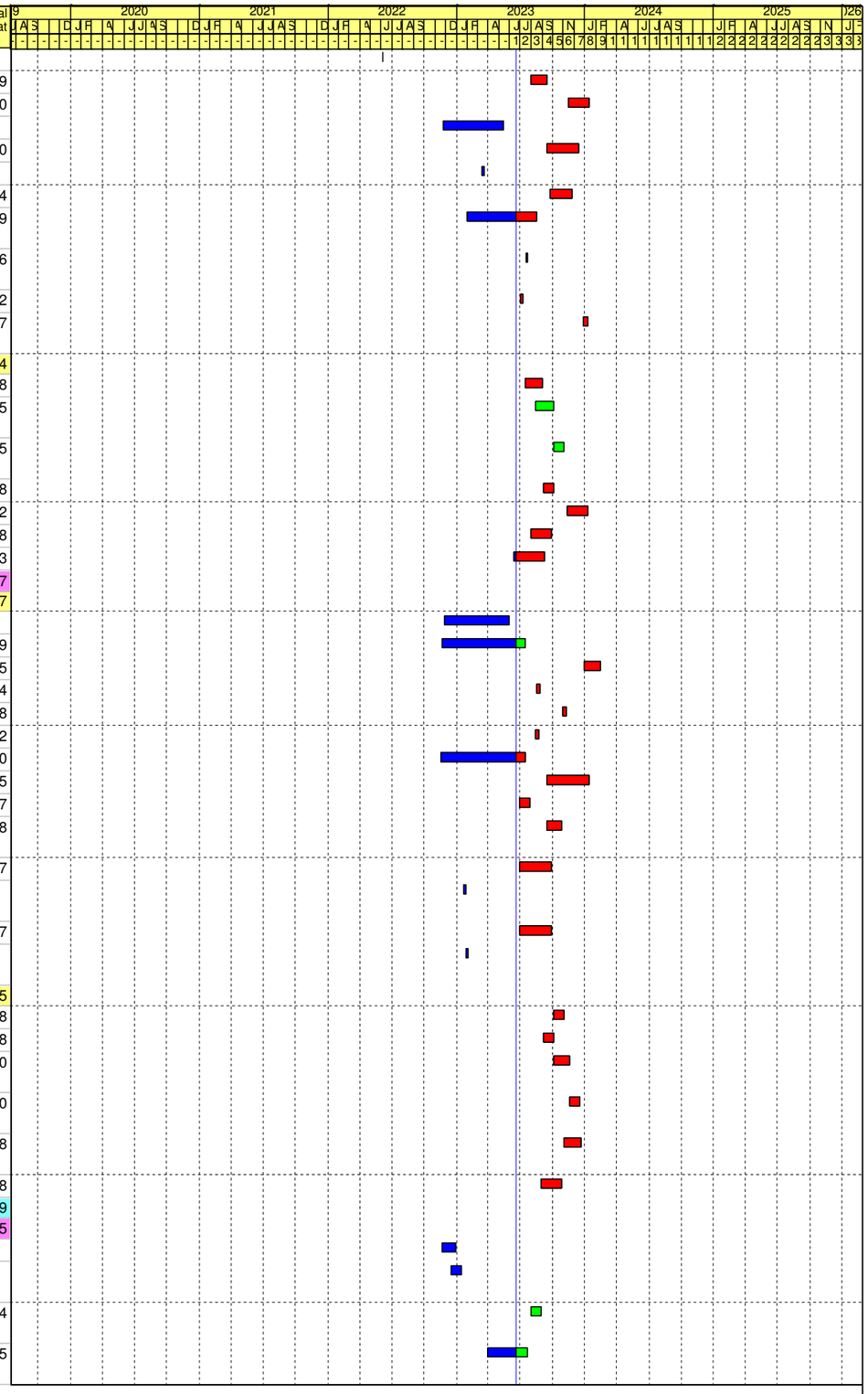
Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Successors	Total Float
S5SDBP1640	Fabrication and delivery of DI pipework (G/F and 1/F)	124	15-May-23 A	15-Sep-23	25-Aug-22	19-Nov-22	S5SDBP1010	S5SDBC1240, S5SDBC1460	-300
S5SDBP1650	Fabrication and delivery of FRP ductworks	192	21-Jan-23 A	31-Jul-23	22-Feb-23	03-Apr-23	S5SDBP1020	S5SDBC1210	-119
Electrical and Control		356	26-Sep-22 A	11-Dec-23	23-Aug-22	27-Feb-23			-287
S5SDBP1660	Fabrication & Delivery of Cable	150	15-Jun-23 A	11-Nov-23	23-Aug-22	13-Jan-23		S5SDBC1350	-302
S5SDBP1670	Fabrication & Delivery of Genset	150	15-Jul-23*	11-Dec-23	17-Sep-22	13-Feb-23	S5SDBP1030	S5SDBC1770	-301
S5SDBP1680	Fabrication & Delivery of LV Switchboard for G/F	122	22-Mar-23 A	12-Sep-23	06-Oct-22	28-Dec-22		S5SDBC1370	-258
S5SDBP1690	Fabrication & Delivery of LV Switchboard for 1/F	136	22-Mar-23 A	29-Aug-23	06-Oct-22	14-Dec-22		S5SDBC1580	-258
S5SDBP1710	Fabrication & Delivery of SCADA System for 1/F	279	04-Nov-22 A	09-Aug-23	09-Jan-23	27-Feb-23		S5SDBC1570	-163
S5SDBP1720	Fabrication of 380V Transfomers	120	26-Sep-22 A	23-Jan-23 A	10-Dec-22	10-Dec-22		S5SDBP1730	
S5SDBP1730	FAT for 380V Transfomers	14	10-Jan-23 A	23-Jan-23 A	10-Dec-22	10-Dec-22	S5SDBP1720	S5SDBP1740	
S5SDBP1740	Delivery of 380V Transfomers	66	24-Jan-23 A	26-Mar-23 A	10-Dec-22	10-Dec-22	S5SDBP1730	S5SDBC1380	
Installation		561	06-Jun-22 A	12-Feb-24	10-Oct-22	14-May-25			457
NCE-PMI-0325 - Provision of 2 nos of 3 Tons Mobile A-frame with Electrical Hoist in SDB		561	06-Jun-22 A	12-Feb-24	10-Oct-22	14-May-25			457
S5SDBC1000	Access to Sludge Dewatering Building (Impacted by EWN-0314)	1	09-Sep-22 A	09-Sep-22 A	16-Oct-22	16-Oct-22		S5SDBC1020	
S5SDBC1010	Access to Sludge Dewatering Building (Impacted by EWN-0314-1)	1	09-Sep-22 A	09-Sep-22 A	16-Oct-22	16-Oct-22		S5SDBC1020	
S5SDBC1020	Mobilisation	15	09-Sep-22 A	23-Sep-22 A	16-Oct-22	16-Oct-22	S5SDBC1000, S5SDBC1010	S5SDBC1200, S5SDBC1680, S5SDBC1370, S5SDBC1590, S5SDBC1770, S5SDBC1120, S5SDBC1050	
E&M Installation		561	06-Jun-22 A	12-Feb-24	10-Oct-22	14-May-25			457
Basement		327	21-Jan-23 A	13-Jan-24	10-Oct-22	17-Nov-23			-57
Mechanical		327	21-Jan-23 A	13-Jan-24	10-Oct-22	03-Apr-23			-285
S5SDBC1030	Installation of Centrate Transfer Pumps (3 nos.)	7	16-Jul-23	22-Jul-23	10-Oct-22	16-Oct-22	S5SDBP1360	S5SDBC1100	-279
S5SDBC1040	Installation of Dewatering Centrifuges Feed Pumps (3 nos.)	7	03-Apr-23 A	08-Apr-23 A	24-Oct-22	24-Oct-22	S5SDBP1380, S5SDBC1140	S5SDBT1000, S5SDBC1100,	
S5SDBC1050	Installation of Dewatering Polymer Powder Feed Units	104	24-Feb-23 A	30-Jun-23	16-Oct-22	25-Oct-22	S5SDBP1390	S5SDBC1170	-248
S5SDBC1060	Installation of Dewatering Polymer Preparation Tanks	45	31-Jul-23	13-Sep-23	25-Dec-22	07-Feb-23	S5SDBP1410	S5SDBC1480	-218
S5SDBC1070	Installation of External Sludge Transfer Pumps (2 nos.)	7	21-Jan-23 A	27-Jan-23 A	31-Oct-22	31-Oct-22	S5SDBP1400	S5SDBT1000	
S5SDBC1080	Installation of Instruments	60	15-Nov-23	13-Jan-24	19-Jan-23	19-Mar-23	S5SDBC1100	S5SDBT1160	-300
S5SDBC1090	Installation of Polymer Mixer	30	14-Aug-23	12-Sep-23	05-Mar-23	03-Apr-23	S5SDBP1580	S5SDBT1170	-162
S5SDBC1100	Installation of Process Pipe	120	27-Aug-23	24-Dec-23	31-Oct-22	27-Feb-23	S5SDBC1120	S5SDBT1040	-300
S5SDBC1110	Installation of Process Water Pumps (3 nos.)	7	20-Aug-23	26-Aug-23	24-Oct-22	30-Oct-22	S5SDBP1480	S5SDBT1000	-300
S5SDBC1120	Installation of Recirculation Pumps for Centrate Tank, Sludge Blend Tanks & THP by-pass Sludge Holding Tank (6 nos,)	14	23-Jul-23	05-Aug-23	17-Oct-22	30-Oct-22	S5SDBP1500, S5SDBC1020, S5SDBC1030	S5SDBT1000, S5SDBC1100	-279
S5SDBC1130	Installation of Sludge Dewatering Polymer Transfer Pumps (2 nos.)	7	21-Feb-23 A	27-Feb-23 A	24-Oct-22	24-Oct-22	S5SDBP1450	S5SDBT1000, S5SDBC1100,	
S5SDBC1140	Installation of Thickening Centrifuges Feed Pumps (4 nos.)	7	28-Feb-23 A	06-Mar-23 A	24-Oct-22	24-Oct-22	S5SDBP1590, S5SDBC1150	S5SDBT1000, S5SDBC1100,	
S5SDBC1150	Installation of THP by-pass Sludge Holding Tank Transfer Pumps (4 nos.)	7	21-Feb-23 A	27-Feb-23 A	24-Oct-22	24-Oct-22	S5SDBP1550, S5SDBP1500,	S5SDBT1000, S5SDBC1100,	
Electrical		95	08-May-23 A	03-Oct-23	26-Oct-22	17-Nov-23			45
S5SDBC1170	Installation of Electrical System - Cable Containment	50	08-May-23 A	15-Jul-23	26-Oct-22	09-Nov-22	S5SDBC1050	S5SDBC1180	-248
S5SDBC1180	Installation of Electrical System - Wall Mount Equipment, Conduit & Wiring	50	16-Jul-23	03-Sep-23	30-Aug-23	18-Oct-23	S5SDBC1170	S5SDBC1190	45
S5SDBC1185	Installation of Control Cable Laying	40	09-May-23 A	31-Jul-23	13-Jan-23	28-Jan-23	S5SDBC1170	S5SDBC1530	-184
S5SDBC1190	Installation of Electrical System - Lighting and Small Power Accessories	30	04-Sep-23	03-Oct-23	19-Oct-23	17-Nov-23	S5SDBC1180	S5SDBT1130	45
Ground Floor		531	06-Jun-22 A	13-Jan-24	10-Nov-22	17-Nov-23			-57
Mechanical		531	06-Jun-22 A	13-Jan-24	20-Nov-22	18-May-23			-240



Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Successors	Total Float
S5SDBC1200	Installation of A-Frame (Effected by NCE-PMI-0325)	3	06-Jun-22 A	06-Jun-22 A	08-Feb-23	08-Feb-23	S5SDBC1020	S5SDBC148(	
S5SDBC1210	Installation of DOU Ductworks	45	01-Aug-23	14-Sep-23	04-Apr-23	18-May-23	S5SDBP1650	S5T1060	-119
S5SDBC1220	Installation of Instruments	60	15-Nov-23	13-Jan-24	19-Jan-23	19-Mar-23	S5SDBC1240	S5SDBT1160	-300
S5SDBC1230	Installation of Monorail LA-01-01	185	25-Nov-22 A	16-May-23 A	11-Feb-23	11-Feb-23	S5SDBC145(	S5SDBC1280	
S5SDBC1240	Installation of Process Pipe	90	16-Sep-23	14-Dec-23	20-Nov-22	17-Feb-23	S5SDBP164(	S5SDBT1040	-300
S5SDBC1250	Installation of PS Screen Feed Pumps (3 nos.)	7	13-Mar-23 A	19-Mar-23 A	11-Feb-23	11-Feb-23	S5SDBP1490	S5SDBT1000	
S5SDBC1260	Installation of Silo & Conveyor	60	25-Sep-23	23-Nov-23	05-Mar-23	03-May-23	S5SDBP161(	S5SDBT1060	-204
S5SDBC1270	Installation of Sludge Thickening Polymer Preparation Tanks	128	31-Jan-23 A	15-Aug-23	24-Dec-22	17-Feb-23	S5SDBP1600	S5SDBT1080, S5SDBC1420,	-179
S5SDBC1280	Installation of Sludge Thickening Polymer Transfer Pumps (2 nos.)	7	17-Jul-23*	23-Jul-23	11-Feb-23	17-Feb-23	S5SDBP1450, S5SDBC1250,	S5SDBT1000, S5SDBC1240	-156
S5SDBC1290	Installation of THP Feed Pumps (4 nos.)	7	03-Jul-23*	09-Jul-23	11-Feb-23	17-Feb-23	S5SDBP1620	S5SDBT1000	-142
S5SDBC1300	Position of Sludge Skips and Installation of Hydraulic System	14	28-Dec-23	10-Jan-24	05-May-23	18-May-23	S5SDBP1530	S5T1060	-237
Electrical		204	12-Jun-23 A	10-Jan-24	10-Nov-22	17-Nov-23			-54
S5SDBC1310	Installation of Electrical System - Cable Containment	50	16-Jul-23	03-Sep-23	10-Nov-22	29-Dec-22	S5SDBC168(	S5SDBC132(	-248
S5SDBC1320	Installation of Electrical System - Wall Mount Equipment, Conduit & Wiring	50	15-Aug-23	03-Oct-23	30-Aug-23	18-Oct-23	S5SDBC1310	S5SDBC1330	15
S5SDBC1330	Installation of Electrical System - Lighting and Small Power Accessories	30	04-Oct-23	02-Nov-23	19-Oct-23	17-Nov-23	S5SDBC1320	S5SDBT1130	15
S5SDBC1340	Installation of Control Cable Laying	30	04-Sep-23	03-Oct-23	18-Feb-23	19-Mar-23	S5SDBC1310	S5SDBT1200	-198
S5SDBC1350	Installation of Power Cable Laying and Termination	60	12-Nov-23	10-Jan-24	14-Jan-23	14-Mar-23	S5SDBC137(	S5SDBT1050	-302
S5SDBC1370	LV Switchroom Installation	60	31-Jul-23	28-Sep-23	15-Nov-22	13-Jan-23	S5SDBC102(	S5SDBT1110	-258
S5SDBC1380	TX Room Installation	90	12-Jun-23 A	09-Sep-23	10-Dec-22	28-Feb-23	S5SDBP1740	S5SDBT1120	-193
First Floor		390	17-Nov-22 A	12-Feb-24	05-Dec-22	14-May-25			457
Mechanical		390	17-Nov-22 A	12-Feb-24	05-Dec-22	14-May-25			457
S5SDBC1390	Installation of EOT Crane LA-01-02	215	28-Nov-22 A	31-May-23 A	05-Dec-22	05-Dec-22	S5SDBP156(	S5SDBC149(	
S5SDBC1400	Installation of EOT Crane LA-01-03	238	22-Nov-22 A	15-Jul-23	20-Apr-25	14-May-25	S5SDBC120(		669
S5SDBC1410	Installation of Instruments	45	30-Dec-23	12-Feb-24	20-Mar-23	03-May-23	S5SDBC1460	S5SDBT1160	-285
S5SDBC1420	Installation of Mixer for Digested Sludge Holding Tank	10	16-Aug-23	25-Aug-23	25-Mar-23	03-Apr-23	S5SDBP143(	S5SDBT1170	-144
S5SDBC1430	Installation of Mixer for Polymer Tank	10	29-Oct-23	07-Nov-23	25-Mar-23	03-Apr-23	S5SDBP158(	S5SDBT1170	-218
S5SDBC1440	Installation of Mixer for PS holding tank	10	14-Aug-23	23-Aug-23	25-Mar-23	03-Apr-23	S5SDBP147(	S5SDBT1170	-142
S5SDBC1450	Installation of Monorail LA-01-04	226	17-Nov-22 A	15-Jul-23	11-Feb-23	07-Mar-23	S5SDBP157(	S5SDBC1230	-130
S5SDBC1460	Installation of Process Pipe	120	16-Sep-23	13-Jan-24	05-Dec-22	03-Apr-23	S5SDBP164(	S5SDBT1040	-285
S5SDBC1470	Installation of Screen Press	30	30-Jun-23*	29-Jul-23	23-Feb-23	24-Mar-23	S5SDBC120(	S5SDBT1210	-127
S5SDBC1480	Installation of Sludge Dewatering / Thickening Polymer Dilution Tanks	45	14-Sep-23	28-Oct-23	08-Feb-23	24-Mar-23	S5SDBC1200, S5SDBP1410,	S5SDBT1080, S5SDBC1430,	-218
S5SDBC1490	Installation of Sludge Dewatering Centrifuges (3 nos)	90	30-Jun-23*	27-Sep-23	04-Jan-23	03-Apr-23	S5SDBC139(	S5SDBT1090	-177
S5SDBC1500	Installation of Sludge Dewatering Polymer Dosing Pumps (4 nos.)	7	21-Jan-23 A	27-Jan-23 A	03-Apr-23	03-Apr-23	S5SDBP1440, S5SDBC1390	S5SDBT1000, S5SDBC1520,	
S5SDBC1510	Installation of Sludge Thickening Centrifuges (4 nos.)	90	30-Jun-23*	27-Sep-23	05-Dec-22	04-Mar-23	S5SDBP154(	S5SDBT1100	-207
S5SDBC1520	Installation of Sludge Thickening Polymer Dosing Pumps (5 nos.)	7	28-Jan-23 A	03-Feb-23 A	03-Apr-23	03-Apr-23	S5SDBP1440, S5SDBC1500,	S5SDBT1000, S5SDBC1460	
Electrical		115	30-Aug-23	22-Dec-23	15-Dec-22	17-Nov-23			-35
S5SDBC1530	Installation of Control Cable Laying	30	04-Oct-23	02-Nov-23	29-Jan-23	27-Feb-23	S5SDBC154(	S5SDBC1570	-248
S5SDBC1540	Installation of Electrical System - Cable Containment	30	04-Sep-23	03-Oct-23	30-Dec-22	28-Jan-23	S5SDBC131(	S5SDBT1050	-248
S5SDBC1550	Installation of Electrical System - Wall Mount Equipment, Conduit & Wiring	45	04-Oct-23	17-Nov-23	04-Sep-23	18-Oct-23	S5SDBC1540	S5SDBC1560	-30
S5SDBC1560	Installation of Electrical System - Lighting and Small Power Accessories	30	18-Nov-23	17-Dec-23	19-Oct-23	17-Nov-23	S5SDBC1550	S5SDBT1130	-30
S5SDBC1570	Installation of SCADA System / Control Monitoring System (SPS, Process Water)	50	03-Nov-23	22-Dec-23	28-Feb-23	18-Apr-23	S5SDBC1540, S5SDBC1530,	S5SDBT1200	-248
S5SDBC1580	LV Switchroom Installation	60	30-Aug-23	28-Oct-23	15-Dec-22	12-Feb-23	S5SDBP1690	S5SDBC1350	-258
BS Installation		356	21-Nov-22 A	31-Dec-23	26-Oct-22	19-Jan-24			19
Basement		350	21-Nov-22 A	25-Dec-23	26-Oct-22	19-Jan-24			25
S5SDBC1590	Installation of FS System - Main Pipework	30	21-Nov-22 A	30-Dec-22 A	26-Oct-22	26-Oct-22	S5SDBC1020	S5SDBC162(	
S5SDBC1600	Installation of FS System - Branch Pipework, Conduit & Wiring	40	16-Dec-22 A	14-Jan-23 A	24-Oct-23	24-Oct-23		S5SDBC1610, S5S1130,	
S5SDBC1610	Installation of FS System - Dropper, Sprinkler Head, Detector & Devices	30	01-Aug-23*	30-Aug-23	03-Nov-23	02-Dec-23	S5SDBC1600	S5SDBT1150	94
S5SDBC1620	Installation of MVAC System - Ceiling Mount Equipment, Main Ductwork and Pipework	81	31-Mar-23 A	20-Jul-23	16-Jul-23	14-Aug-23	S5SDBC1590	S5SDBC1630, S5SDBC1650	25



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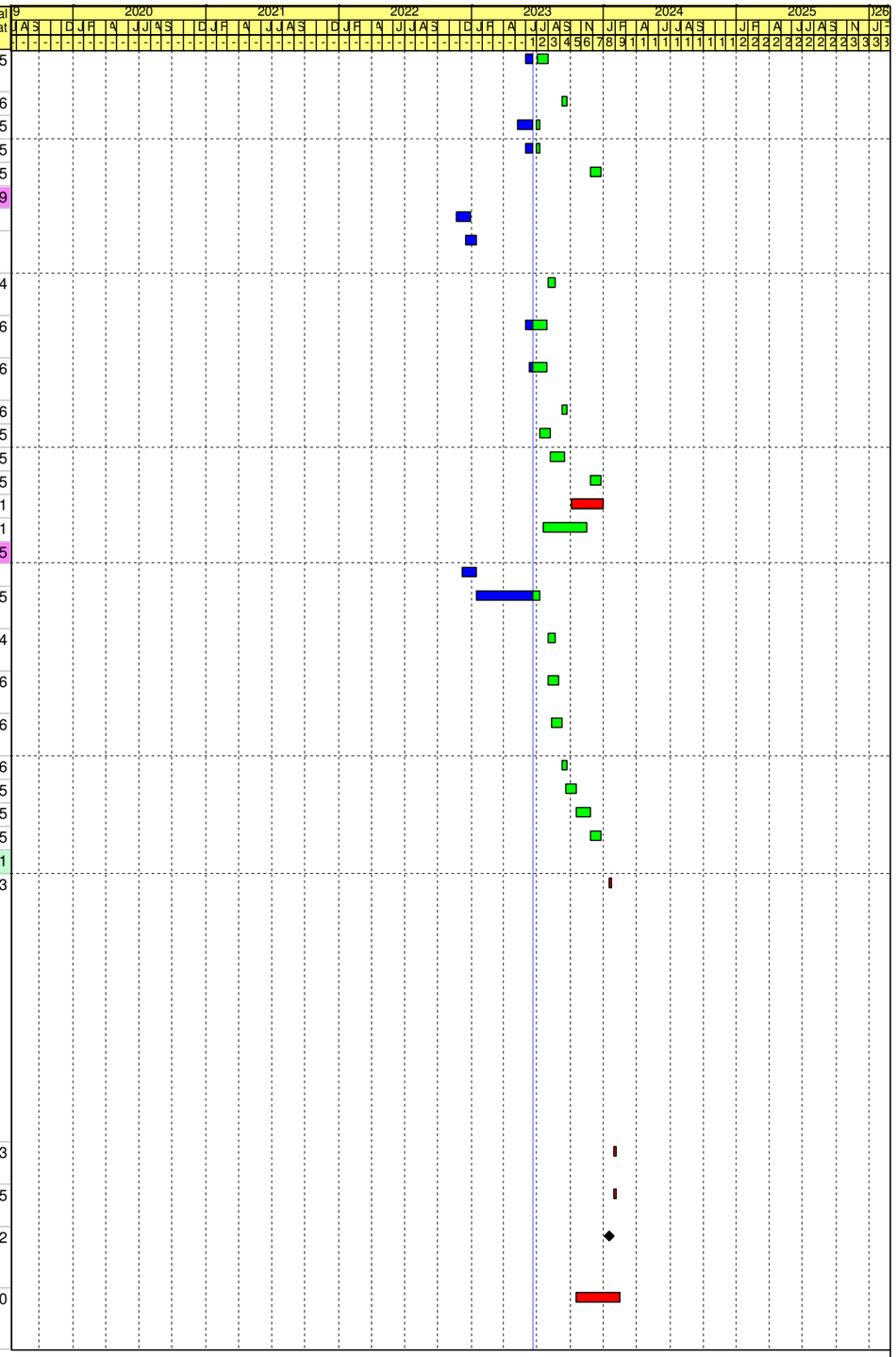
30-Jun-23	Rev.35	IM/LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Successors	Total Float
S5SDBC1630	Installation of MVAC System - Wall Mount Equipment, Branch Duct & Pipework	30	01-Jun-23 A	30-Jul-23	04-Oct-23	02-Nov-23	S5SDBC1620	S5SDBC1640	95
S5SDBC1640	Installation of MVAC System - Air Grills & Diffuser	15	08-Sep-23	22-Sep-23	03-Nov-23	17-Nov-23	S5SDBC163(	S5SDBT1180	56
S5SDBC1650	Installation of Plumbing System - Main Pipework	30	10-May-23 A	08-Jul-23	23-Jul-23	02-Aug-23	S5SDBC1620	S5SDBC167(	25
S5SDBC1660	Installation of Plumbing System - Branch Pipework	40	30-May-23 A	08-Jul-23	24-Jul-23	02-Aug-23	S5SDBC1650	S5SDBC167(	25
S5SDBC1670	Installation of Plumbing System - Sanitary Fitting	30	26-Nov-23	25-Dec-23	21-Dec-23	19-Jan-24	S5SDBC165(	S5SDBT1190	25
Ground Floor		345	21-Nov-22 A	31-Dec-23	10-Nov-22	19-Jan-24			19
S5SDBC1680	Installation of FS System - Main Pipework	20	21-Nov-22 A	30-Dec-22 A	10-Nov-22	10-Nov-22	S5SDBC102(	S5SDBC171(	
S5SDBC1690	Installation of FS System - Branch pipework, Conduit & Wiring	30	16-Dec-22 A	14-Jan-23 A	24-Oct-23	24-Oct-23	S5SDBC1600	S5SDBC1700, S5S1130	
S5SDBC1700	Installation of FS System - Dropper, Sprinkler Head, Detector & Devices	20	01-Aug-23*	20-Aug-23	13-Nov-23	02-Dec-23	S5SDBC1690	S5SDBT1150	104
S5SDBC1710	Installation of MVAC System - Ceiling Mount Equipment, Main Ductwork and Pipework	30	31-May-23 A	29-Jul-23	05-Sep-23	13-Oct-23	S5SDBC1680	S5SDBC1720	76
S5SDBC1720	Installation of MVAC System - Wall Mount Equipment, Branch Duct & Pipework	50	10-Jun-23 A	29-Jul-23	16-Aug-23	23-Sep-23	S5SDBC1710	S5SDBC1730, S5SDBC1820	56
S5SDBC1730	Installation of MVAC System - Air Grills & Diffuser	15	08-Sep-23	22-Sep-23	03-Nov-23	17-Nov-23	S5SDBC172(	S5SDBT1180	56
S5SDBC1740	Installation of Plumbing System - Main Pipework	30	09-Jul-23	07-Aug-23	03-Aug-23	01-Sep-23	S5SDBC1660	S5SDBC176(	25
S5SDBC1750	Installation of Plumbing System - Branch Pipework	40	08-Aug-23	16-Sep-23	02-Sep-23	11-Oct-23	S5SDBC1740	S5SDBC176(	25
S5SDBC1760	Installation of Plumbing System - Sanitary Fitting	30	26-Nov-23	25-Dec-23	21-Dec-23	19-Jan-24	S5SDBC174(	S5SDBT1190	25
S5SDBC1770	Generator & Fuel Room Installation	90	03-Oct-23	31-Dec-23	06-Dec-22	05-Mar-23	S5SDBP167(	S5SDBT1140	-301
S5SDBC1780	Installation of Lift	120	20-Jul-23*	16-Nov-23	19-Sep-23	16-Jan-24	S5SDBP106(	S5SDBT1070	61
First Floor		339	06-Dec-22 A	25-Dec-23	30-Dec-22	19-Jan-24			25
S5SDBC1790	Installation of FS System - Main Pipework	20	06-Dec-22 A	15-Jan-23 A	30-Dec-22	30-Dec-22	S5SDBC1590	S5SDBC180(	
S5SDBC1800	Installation of FS System - Branch pipework, Conduit & Wiring	181	16-Jan-23 A	10-Jul-23	04-Oct-23	23-Oct-23	S5SDBC1790	S5SDBC1810, S5S1130	105
S5SDBC1810	Installation of FS System - Dropper, Sprinkler Head, Detector & Devices	20	01-Aug-23*	20-Aug-23	13-Nov-23	02-Dec-23	S5SDBC1800	S5SDBT1150	104
S5SDBC1820	Installation of MVAC System - Ceiling Mount Equipment, Main Ductwork and Pipework	30	30-Jul-23	28-Aug-23	24-Sep-23	23-Oct-23	S5SDBC1790, S5SDBC1720	S5SDBC1830	56
S5SDBC1830	Installation of MVAC System - Wall Mount Equipment, Branch Duct & Pipework	30	09-Aug-23	07-Sep-23	04-Oct-23	02-Nov-23	S5SDBC1820	S5SDBC1840	56
S5SDBC1840	Installation of MVAC System - Air Grills & Diffuser	15	08-Sep-23	22-Sep-23	03-Nov-23	17-Nov-23	S5SDBC1830	S5SDBT1180	56
S5SDBC1850	Installation of Plumbing System - Main Pipework	30	17-Sep-23	16-Oct-23	12-Oct-23	10-Nov-23	S5SDBC1750	S5SDBC187(	25
S5SDBC1860	Installation of Plumbing System - Branch Pipework	40	17-Oct-23	25-Nov-23	11-Nov-23	20-Dec-23	S5SDBC1850	S5SDBC1870	25
S5SDBC1870	Installation of Plumbing System - Sanitary Fitting	30	26-Nov-23	25-Dec-23	21-Dec-23	19-Jan-24	S5SDBC185(	S5SDBT1190	25
Testing and Commissioning		188	10-Sep-23	15-Mar-24	14-Jan-23	16-Mar-24			1
S5SDBT1000	Dry Test for Pumps	7	16-Jan-24	22-Jan-24	28-Apr-23	04-May-23	S5SDBC1250, S5SDBC1120, S5SDBC1110, S5SDBC1070, S5SDBC1130, S5SDBC1150, S5SDBC1140, S5SDBC1040, S5SDBC1290, S5SDBC1280, S5SDBC1500, S5SDBC1520, S5SDBC1030, S5SDBT1050	S5SDBT1220, S5SDBT1230	-263
S5SDBT1010	Functional Check for Pumps (excluded FS Water Pumps and Process Water Pumps)	7	30-Jan-24	05-Feb-24	12-May-23	18-May-23	S5SDBT1220, S5SDBT1050	S5T1060	-263
S5SDBT1020	Functional Check for Pumps (FS Water Pumps and Process Water Pumps)	7	30-Jan-24	05-Feb-24	26-Dec-23	01-Jan-24	S5SDBT1050, S5SDBT1230	S5S1220	-35
S5SDBT1030	Permanent Power ready for T&C	0	16-Jan-24		19-Apr-23		S5SDBT1050	S5SDBT1100, S5SDBT1230, S5SDBT1090	-272
S5SDBT1040	Pipe Pressure Test	120	16-Oct-23	12-Feb-24	19-Jan-23	18-May-23	S5SDBC1460, S5SDBC1240, S5SDBC1100	S5T1060	-270



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30-Jun-23	Rev.35	IM/LT	KM

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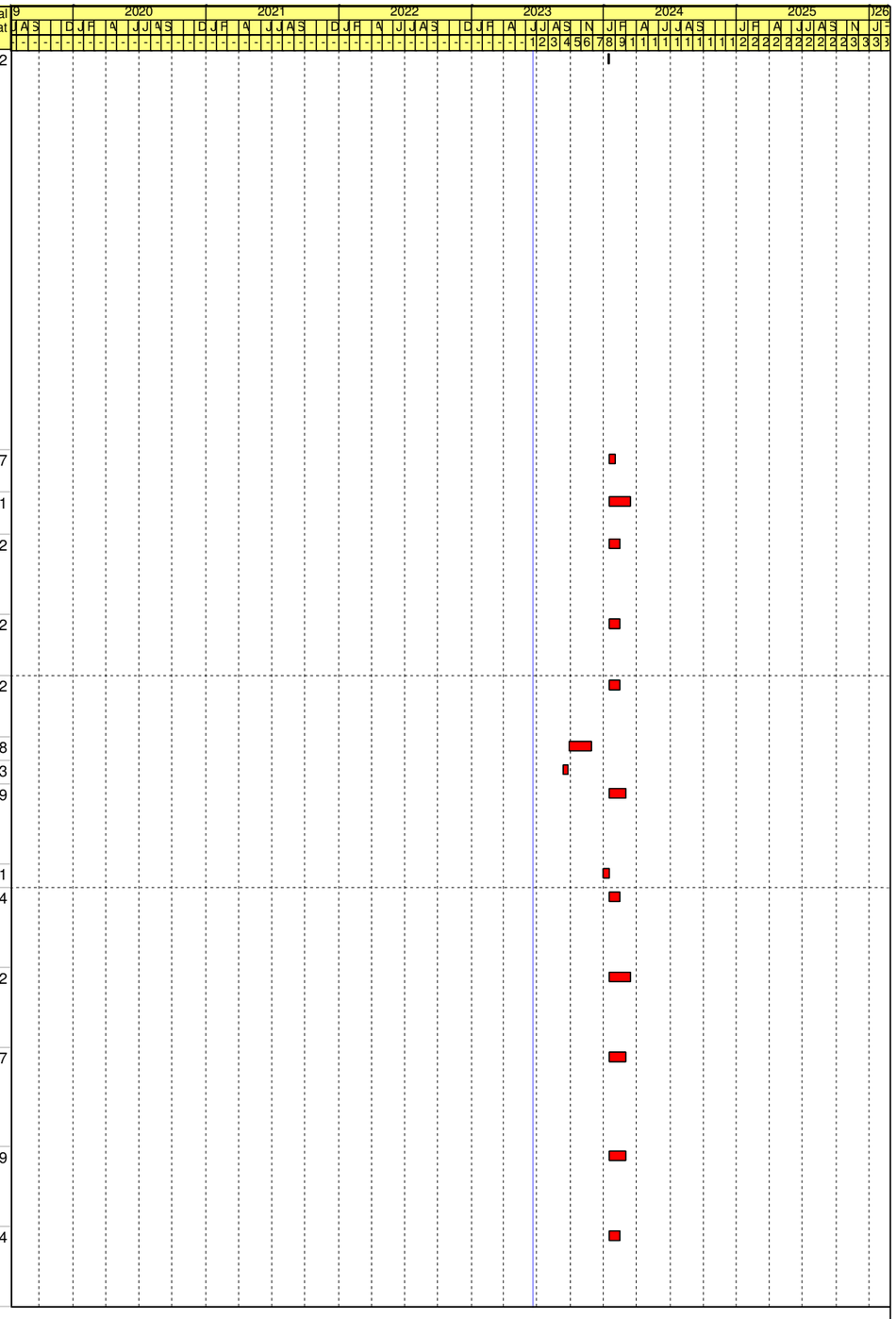
S5SDBT1050	Ready for Power Energisation - LV	5	11-Jan-24	15-Jan-24	15-Mar-23	19-Mar-23	S5SDBC1540, S5SDBT1110, S5SDBC1350, S5SDBT1120, S5WS2C1120	S5SDBT1090, S5SDBT1070, S5SDBT1100, S5SDBT1020, S5SDBT1230, S5SDBT1080, S5SDBT1060, S5SDBT1130, S5SDBT1150, S5SDBT1180, S5SDBT1190, S5SDBT1170, S5SDBT1210, S5SDBT1200, S5SDBT1160, S5SDBT1220, S5SDBT1010, S5SDBT1000, S5SDBT1030, S5SPST1000, S5FCDT1000	-302
S5SDBT1060	SAT for Conveyor	15	16-Jan-24	30-Jan-24	04-May-23	18-May-23	S5SDBC1260, S5SDBT1050	S5T1060	-257
S5SDBT1070	SAT for Lift	60	16-Jan-24	15-Mar-24	17-Jan-24	16-Mar-24	S5SDBC1780, S5SDBT1050	S5S1090	1
S5SDBT1080	SAT for Polymer System	30	16-Jan-24	14-Feb-24	19-Apr-23	18-May-23	S5SDBC1480, S5SDBC1270, S5SDBC1050, S5SDBT1050	S5T1060	-272
S5SDBT1090	SAT for Sludge Dewatering Centrifuges	30	16-Jan-24	14-Feb-24	19-Apr-23	18-May-23	S5SDBT1050, S5SDBC1490, S5SDBT1030	S5T1060	-272
S5SDBT1100	SAT for Sludge Thickening Cnetrifuge	30	16-Jan-24	14-Feb-24	19-Apr-23	18-May-23	S5SDBT1050, S5SDBC1510, S5SDBT1030	S5T1060	-272
S5SDBT1110	SAT for Switchboard	60	29-Sep-23	27-Nov-23	14-Jan-23	14-Mar-23	S5SDBC1370	S5SDBT1050	-258
S5SDBT1120	SAT for Tranformer	14	10-Sep-23	23-Sep-23	01-Mar-23	14-Mar-23	S5SDBC1380	S5SDBT1050	-193
S5SDBT1130	SAT of Electrical System (BS)	45	16-Jan-24	29-Feb-24	18-Nov-23	01-Jan-24	S5SDBC1330, S5SDBC1190, S5SDBC1560, S5SDBT1050	S5S1220	-59
S5SDBT1140	SAT of Emergency Generator System	15	01-Jan-24	15-Jan-24	06-Mar-23	20-Mar-23	S5SDBC1770	S5S1270	-301
S5SDBT1150	SAT of FS System	30	16-Jan-24	14-Feb-24	03-Dec-23	01-Jan-24	S5SDBC1810, S5SDBC1700, S5SDBC1610, S5SDBT1050	S5S1220	-44
S5SDBT1160	SAT of Instrumentation	60	16-Jan-24	15-Mar-24	20-Mar-23	18-May-23	S5SDBC1410, S5SDBC1220, S5SDBC1080, S5SDBT1050	S5T1060	-302
S5SDBT1170	SAT of Mixer	45	16-Jan-24	29-Feb-24	04-Apr-23	18-May-23	S5SDBC1430, S5SDBC1420, S5SDBC1440, S5SDBC1090, S5SDBT1050	S5T1060	-287
S5SDBT1180	SAT of MVAC System	45	16-Jan-24	29-Feb-24	18-Nov-23	01-Jan-24	S5SDBC1840, S5SDBC1730, S5SDBC1640, S5SDBT1050	S5S1220	-59
S5SDBT1190	SAT of Plumbing System	30	16-Jan-24	14-Feb-24	20-Jan-24	18-Feb-24	S5SDBC1670, S5SDBC1760, S5SDBC1870, S5SDBT1050	S5S1160	4



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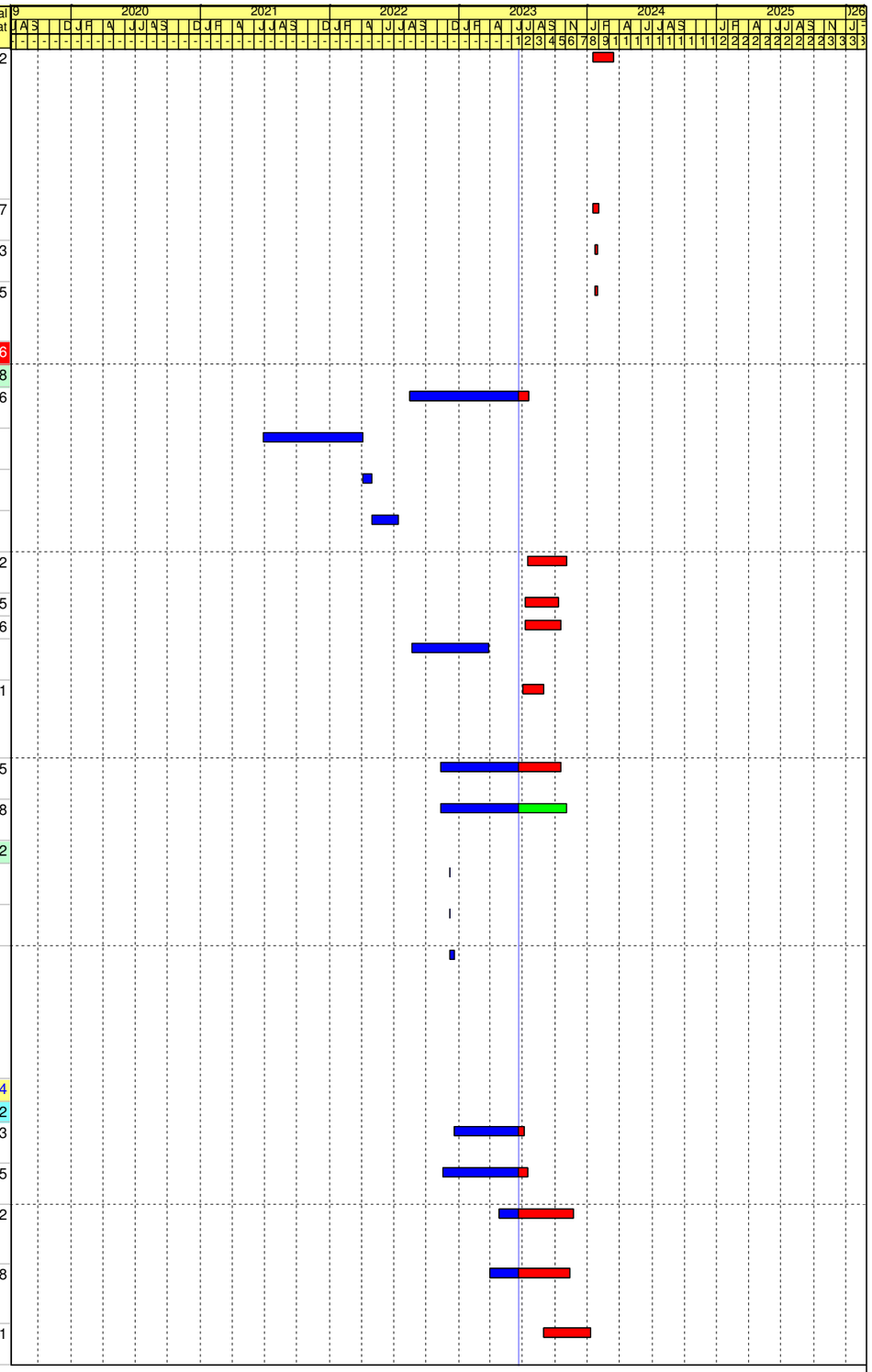
Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Successors	Total Float
S5SDBT1200	SAT of SCADA & PMS	60	16-Jan-24	15-Mar-24	20-Mar-23	18-May-23	S5SDBC1570, S5SDBT1050, S5SDBC1170, S5SDBC1185, S5SDBC1340, S5SDBC1340, S5SDBC1310, S5SDBC1310	S5T1060	-302
S5SDBT1210	SAT of Screen Press	15	16-Jan-24	30-Jan-24	04-May-23	18-May-23	S5SDBC1470, S5SDBT1050	S5T1060	-257
S5SDBT1220	Wet Test for Pumps (excluded FS Water Pumps and Process Water Pumps)	7	23-Jan-24	29-Jan-24	05-May-23	11-May-23	S5SDBT1000, S5SDBT1050	S5SDBT1010	-263
S5SDBT1230	Wet Test for Pumps (FS Water Pumps and Process Water Pumps)	7	23-Jan-24	29-Jan-24	19-Dec-23	25-Dec-23	S5SDBT1000, S5SDBT1050, S5SDBT1030	S5SDBT1020	-35
Combined Heat & Power Building		1008	29-Jun-21 A	23-Apr-24	17-Sep-22	14-May-25			386
Fabrication, FAT & Delivery of Major Plant & Materials		876	29-Jun-21 A	03-Nov-23	17-Sep-22	14-May-25			558
S5CHPP1000	Fabrication & Delivery of Pre-Treatment	120	15-Aug-22 A	18-Jul-23	08-Oct-22	04-Nov-22		S5CHPC1170	-256
S5CHPP1010	Fabrication of CHP System	270	29-Jun-21 A	06-Apr-22 A	02-Oct-22	02-Oct-22	S2P1070, S2D1610	S5CHPP1020	
S5CHPP1020	FAT for CHP Generators	14	07-Apr-22 A	30-Apr-22 A	02-Oct-22	02-Oct-22	S5CHPP1010	S5CHPP1030	
S5CHPP1030	Delivery of CHP Generators	60	02-May-22 A	14-Jul-22 A	02-Oct-22	02-Oct-22	S5CHPP1020	S5CHPC1050	
S5CHPP1040	Fabrication & Delivery of Gas Detection System	112	15-Jul-23*	03-Nov-23	26-Oct-22	14-Feb-23	S2D2000, PL1020	S5CHPC1170, S5CHPC1280	-262
S5CHPP1050	Fabrication & Delivery of LV Switchboard for G/F	92	10-Jul-23*	09-Oct-23	28-Oct-22	27-Jan-23		S5CHPC1145	-255
S5CHPP1055	Fabrication & Delivery of LV Switchboard for 1/F	99	10-Jul-23*	16-Oct-23	17-Sep-22	24-Dec-22		S5CHPC1260	-296
S5CHPP1060	Fabrication & Delivery of Lifting Appliances	90	24-Aug-22 A	28-Mar-23 A	04-Mar-23	04-Mar-23		S5CHPC1030, S5CHPC1160	
S5CHPP1070	Fabrication & Delivery of Pipeworks & Associated Valves	60	01-Jul-23*	29-Aug-23	23-Sep-22	21-Nov-22	S5P1010	S5CHPC1070, S5CHPC1200, S5CHPC1270, S5CHPC1280	-281
S5CHPP1080	Fabrication & Delivery of SCADA System for G/F	340	11-Nov-22 A	16-Oct-23	07-Jan-23	04-May-23		S5CHPC1120	-165
S5CHPP1090	Fabrication & Delivery of SCADA System for 1/F	358	11-Nov-22 A	03-Nov-23	30-Dec-24	14-May-25			558
Installation		423	19-Nov-22 A	16-Feb-24	02-Oct-22	18-Feb-24			2
S5CHPC1000	Access to CHP Building (Impacted by EWN-0314)	1	07-Dec-22 A	07-Dec-22 A	16-Jan-23	16-Jan-23		S5CHPC1020	
S5CHPC1010	Access to CHP Building (Impacted by EWN-0314-1)	1	07-Dec-22 A	07-Dec-22 A	16-Jan-23	16-Jan-23		S5CHPC1020	
S5CHPC1020	Mobilisation	12	08-Dec-22 A	19-Dec-22 A	16-Jan-23	16-Jan-23	AD1060, S5S1020, S5CHPC1000, S5CHPC1010	PL1550, S5CHPC1030, S5CHPC1040, S5CHPC1080, S5CHPC1130, S5CHPC1140, S5CHPC1210	
E&M Installation		422	19-Nov-22 A	16-Feb-24	02-Oct-22	17-Jul-23			-214
Ground Floor		410	19-Nov-22 A	04-Feb-24	02-Oct-22	17-Jul-23			-202
S5CHPC1030	Installation of EOT Crane LA-04-01	199	19-Dec-22 A	05-Jul-23	18-Feb-23	04-Mar-23	S5CHPC1020, S5CHPP1060	S5CHPC1050, S5CHPC1160	-123
S5CHPC1040	Installation of Monorail LA-04-02 (total 3nos.)	240	19-Nov-22 A	16-Jul-23	16-Feb-23	13-Mar-23	S5CHPC1020	S5CHPC1160	-125
S5CHPC1050	Installation of CHP System - Mechanical Work	210	26-Apr-23 A	21-Nov-23	02-Oct-22	04-Mar-23	S5CHPC1030, S5CHPP1030	S5CHPC1100, S5CHPT1030, S5CHPC1270	-262
S5CHPC1060	Installation of Steam Boiler System - Mechanical Work	230	29-Mar-23 A	13-Nov-23	05-Nov-22	30-Mar-23		S5CHPC1070, S5CHPC1170, S5CHPT1050	-228
S5CHPC1070	Installation of pipework	133	30-Aug-23	09-Jan-24	22-Nov-22	03-Apr-23	S5CHPC1060, S5CHPP1070	S5CHPT1000	-281



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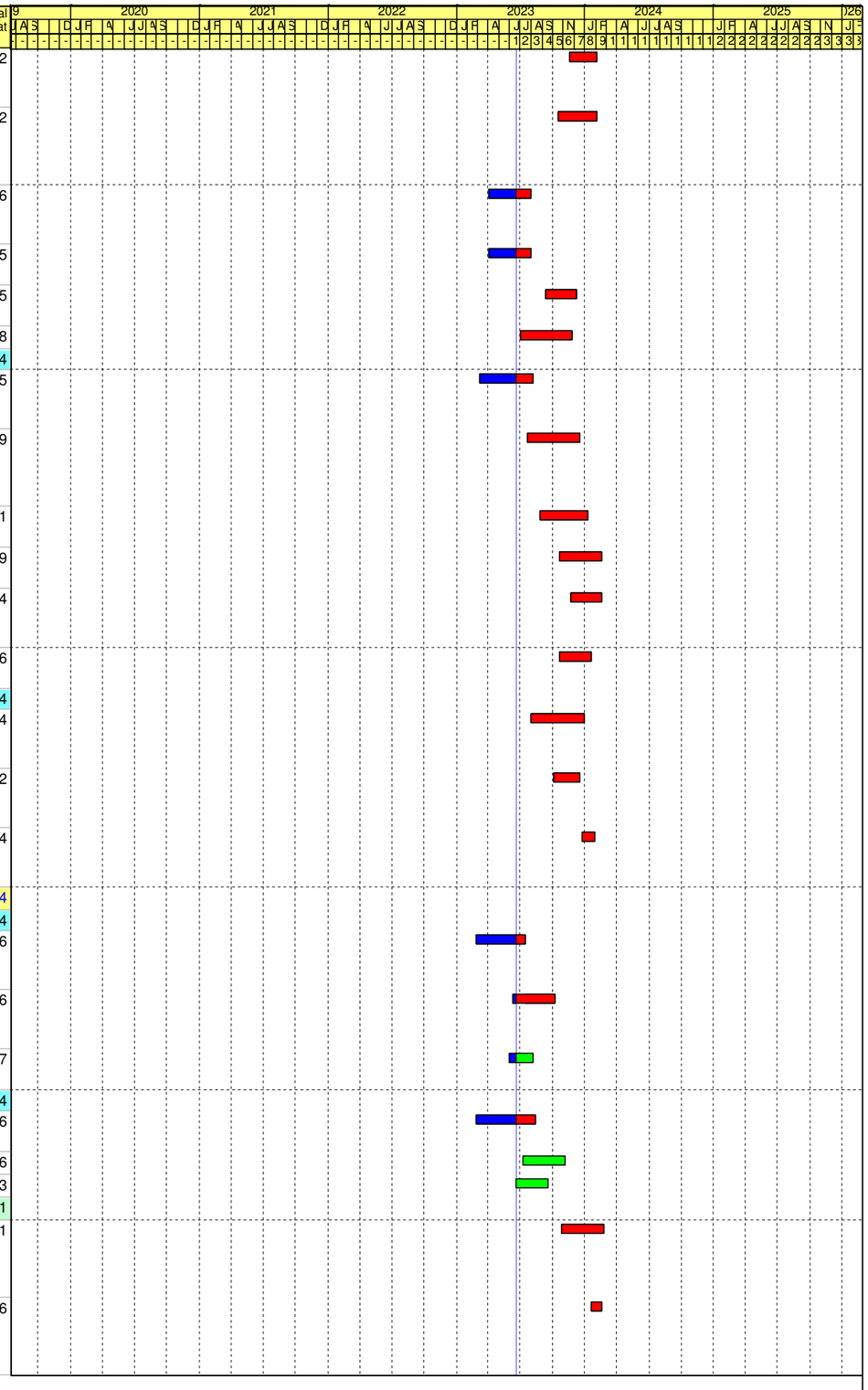
31-May-23	Rev.34	IM/LT	KM
30-Jun-23	Rev.35	IM/LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Successors	Total Float
S5CHPC1100	Installation of Electrical System	79	18-Nov-23	04-Feb-24	01-Mar-23	18-May-23	S5CHPC1090, S5CHPC1050, S5P1050	S5CHPC1120, S5CHPT1050, S5CHPT1030	-262
S5CHPC1120	Installation of SCADA System	111	17-Oct-23	04-Feb-24	29-Mar-23	17-Jul-23	S5CHPC1100, S5CHPP1080	S5T1100, S5T1000, S5T1010, S5CHPC1250	-202
S5CHPC1130	Transfomers Room Installation	120	04-Apr-23 A	01-Aug-23	16-Jan-23	26-Feb-23	S5WS2P1020, S5CHPC1020	S5CHPT1020, S5CHPC1260, S5CHPT1010	-156
S5CHPC1140	HV Switchroom Installation	120	03-Apr-23 A	31-Jul-23	16-Feb-23	28-Mar-23	S5CHPC1020, S5WS2P1080	S5CHPT1020, S5CHPT1010	-125
S5CHPC1145	LV Switchroom Installation	90	10-Sep-23	08-Dec-23	29-Dec-22	28-Mar-23	S5CHPP1050	S5CHPT1010, S5CHPT1020	-255
S5CHPC1150	Diesel Storage & Pump Room Installation	144	03-Jul-23*	23-Nov-23	28-Oct-22	20-Mar-23		S5S1280	-248
First Floor		266	07-Mar-23 A	16-Feb-24	05-Nov-22	17-Jul-23			-214
S5CHPC1160	Installation of Monorail / Davit LA-04-03 to LA-04-10 (total 8nos.)	173	07-Mar-23 A	06-Aug-23	14-Mar-23	03-Apr-23	S5CHPC1040, S5CHPP1060, S5CHPC1030	S5CHPC1170	-125
S5CHPC1170	Installation of Biogas Pre-treatment System - Mechanical Work	150	22-Jul-23	18-Dec-23	05-Nov-22	03-Apr-23	S5CHPC1060, S5CHPC1160, S5CHPP1000, S5CHPP1040	S5CHPC1200, S5CHPC1230, S5CHPT1040	-259
S5CHPC1200	Installation of pipework	135	28-Aug-23	09-Jan-24	20-Nov-22	03-Apr-23	S5CHPC1170, S5CHPP1070	S5CHPT1000	-281
S5CHPC1230	Installation of Electrical System	120	20-Oct-23	16-Feb-24	03-Feb-23	02-Jun-23	S5CHPC1170, S5P1050	S5CHPC1250, S5CHPT1040	-259
S5CHPC1250	Installation of SCADA System (THP, Digester,H2S removal System, Dou12, Biogas Holding Tank)	87	22-Nov-23	16-Feb-24	22-Apr-23	17-Jul-23	S5CHPC1230, S5CHPC1120	S5T1100, S5T1000, S5T1010	-214
S5CHPC1260	LV Switchroom Installation	92	19-Oct-23	18-Jan-24	27-Dec-22	28-Mar-23	S5CHPC1130, S5CHPP1055	S5CHPT1020, S5CHPT1010	-296
Roof		183	31-Jul-23	29-Jan-24	30-Oct-22	30-Apr-23			-274
S5CHPC1270	Installation of CHP System - Mechanical Work	153	31-Jul-23*	30-Dec-23	30-Oct-22	31-Mar-23	S5CHPC1050, S5CHPP1070	S5CHPT1030, S5CHPC1280, S5CHPC1290	-274
S5CHPC1280	Installation of Steam Boiler System - Mechanical Work	77	03-Oct-23	18-Dec-23	14-Jan-23	31-Mar-23	S5CHPC1270, S5CHPP1070, S5CHPP1040	S5CHPT1050, S5CHPC1290	-262
S5CHPC1290	Installation of Electrical System	38	23-Dec-23	29-Jan-24	24-Mar-23	30-Apr-23	S5CHPC1270, S5CHPC1280, S5P1050	S5CHPT1040, S5CHPT1020	-274
BS Installation		256	27-Feb-23 A	06-Nov-23	05-Feb-23	18-Feb-24			104
Ground Floor		256	27-Feb-23 A	07-Oct-23	05-Feb-23	19-Jan-24			104
S5CHPC1080	Installation of FS System	138	27-Feb-23 A	14-Jul-23	05-Feb-23	28-Feb-23	S5CHPC1020, S5CHPC1210	S5CHPC1090, S5CHPC1110, S5S1220	-136
S5CHPC1090	Installation of MVAC System	120	10-Jun-23 A	07-Oct-23	01-Mar-23	24-May-23	S5CHPC1080	S5CHPC1100, S5S1220, S5CHPC1220	-136
S5CHPC1110	Installation of Plumbing System	90	01-Jun-23 A	05-Aug-23	05-Dec-23	19-Jan-24	S5CHPC1080	S5S1160, S5CHPC1240	167
First Floor		231	27-Feb-23 A	06-Nov-23	05-Feb-23	18-Feb-24			104
S5CHPC1210	Installation of FS System	138	27-Feb-23 A	14-Aug-23	05-Feb-23	31-Mar-23	S5CHPC1020	S5S1220, S5CHPC1080	-136
S5CHPC1220	Installation of MVAC System	120	10-Jul-23	06-Nov-23	04-Sep-23	01-Jan-24	S5CHPC1090	S5S1220	56
S5CHPC1240	Installation of Plumbing System	90	21-Jun-23	18-Sep-23	21-Nov-23	18-Feb-24	S5CHPC1110	S5S1160	153
Testing and Commissioning		180	27-Oct-23	23-Apr-24	19-Jan-23	17-Jul-23			-281
S5CHPT1000	Pipe Pressure Test	120	27-Oct-23	23-Feb-24	19-Jan-23	18-May-23	S5CHPC1200, S5CHPC1070	S5T1100, S5CHPT1030, S5CHPT1040, S5CHPT1050	-281
S5CHPT1010	SAT for Transformer & Switchboard	30	19-Jan-24	17-Feb-24	29-Mar-23	27-Apr-23	S5CHPC1260, S5CHPC1140, S5CHPC1130, S5CHPC1145	S5CHPT1020	-296



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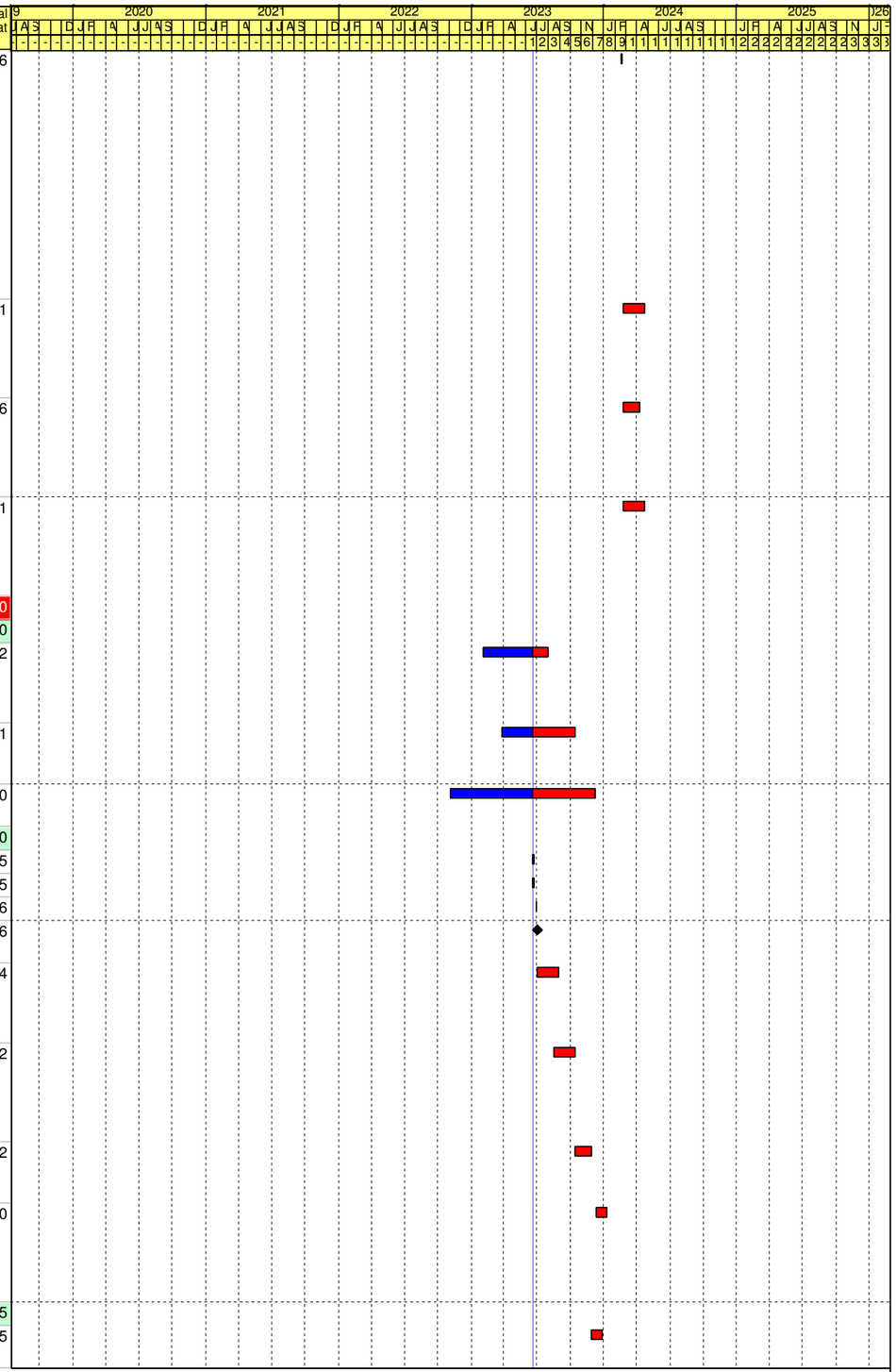
S5CHPT1020	Ready for Power Energisation	3	18-Feb-24	20-Feb-24	28-Apr-23	30-Apr-23	S5CHPC1260, S5CHPC1130, S5CHPC1140, S5CHPT1010, S5CHPC1290, S5CHPC1145, S5WS2C1110	S5CHPT1030, S5BIOT1010, S5THPT1010, S5CHPT1040, S5CHPT1050, S5DIGT1010, S5WS2T1010, S5BIOT1000, S5THPT1000, S5H2ST1000, S5WGBT1000, S5DOUT1010, S5TCWT1000	-296
S5CHPT1030	SAT for CHP System	60	24-Feb-24	23-Apr-24	19-May-23	17-Jul-23	S5CHPT1020, S5CHPC1050, S5CHPC1100, S5CHPC1270, S5CHPT1000	S5T1100	-281
S5CHPT1040	SAT for Pre-treatment System	45	24-Feb-24	08-Apr-24	03-Jun-23	17-Jul-23	S5CHPC1170, S5CHPT1020, S5CHPC1230, S5CHPC1290, S5CHPT1000	S5T1100	-266
S5CHPT1050	SAT for Steam Boiler System	60	24-Feb-24	23-Apr-24	19-May-23	17-Jul-23	S5CHPC1060, S5CHPC1100, S5CHPT1020, S5CHPC1280, S5CHPT1000	S5T1100	-281
Tx Rm & LV Switchroom (for UV)		401	04-Nov-22 A	08-Jan-24	23-Aug-22	31-Aug-23			-130
Fabrication, FAT & Delivery of Major Plant & Materials		401	04-Nov-22 A	09-Dec-23	23-Aug-22	01-Aug-23			-130
S5TXRP1000	Fabrication & Delivery of Transfomers -UV (Tx 07 & 08)	120	03-Feb-23 A	01-Aug-23	23-Aug-22	03-Oct-22	S1D1130, S1D1290, S1D1210, S2P1110	S5TXRC1030	-302
S5TXRP1010	Fabrication & Delivery of LVSB -UV	149	28-Mar-23 A	13-Oct-23	24-Aug-22	16-Dec-22	S1D1210, S1D1290, S2P1130	S5TXRC1040	-301
S5TXRP1020	Fabrication & Delivery of SCADA System	401	04-Nov-22 A	09-Dec-23	11-Feb-23	01-Aug-23	S1D1290, S2P1140	S5TXRC1050	-130
Installation		202	21-Jun-23	08-Jan-24	17-Oct-22	31-Aug-23			-130
S5TXRC1000	Access to TX Rm & LV Switchroom (Impacted by EWN-0314)	1	21-Jun-23*	21-Jun-23	27-Jan-23	27-Jan-23		S5TXRC1020	-145
S5TXRC1010	Access to TX Rm & LV Switchroom (Impacted by EWN-0314-1)	1	21-Jun-23*	21-Jun-23	27-Jan-23	27-Jan-23		S5TXRC1020	-145
S5TXRC1012	Access to TX Rm & LV Switchroom (Impacted by EWN-0314-2)	1	30-Jun-23*	30-Jun-23	17-Oct-22	17-Oct-22		S5TXRC1015	-256
S5TXRC1015	Assume actual access Date	0	01-Jul-23		18-Oct-22		S5TXRC1012	S5TXRC1020, S5TXRC1030	-256
S5TXRC1020	BS Fitting Intallation (at Tx Rm & LV Switchroom)	60	01-Jul-23	29-Aug-23	28-Jan-23	28-Mar-23	AD1100, S5TXRC1000, S5TXRC1010, S5TXRC1015	S5TXRT1010	-154
S5TXRC1030	E&M Installation of Transfomers in Tx Rm	60	16-Aug-23	14-Oct-23	18-Oct-22	16-Dec-22	S4C1010, S5TXRP1000, S1D1310, S5P1050, S5TXRC1015	S5TXRC1040, S5TXRT1000	-302
S5TXRC1040	E&M Installation of LVSB	45	15-Oct-23	28-Nov-23	17-Dec-22	30-Jan-23	S5TXRC1030, S5TXRP1010, S5P1050	S5TXRT1010, S5TXRT1000, S5EXAC1080	-302
S5TXRC1050	Installation of SCADA System (UV, DOU11, PSW)	30	10-Dec-23	08-Jan-24	02-Aug-23	31-Aug-23	S4C1040, S5TXRP1020, S4C1070, S4C1080	S5T1200, S5T1120, S5T1000, S5T1010, PL1210	-130
Testing and Commissioning		33	29-Nov-23	31-Dec-23	27-Feb-23	31-Mar-23			-275
S5TXRT1000	SAT for Transformer & Switchboard	30	29-Nov-23	28-Dec-23	27-Feb-23	28-Mar-23	S5TXRC1040, S5TXRC1030	S5TXRT1010	-275



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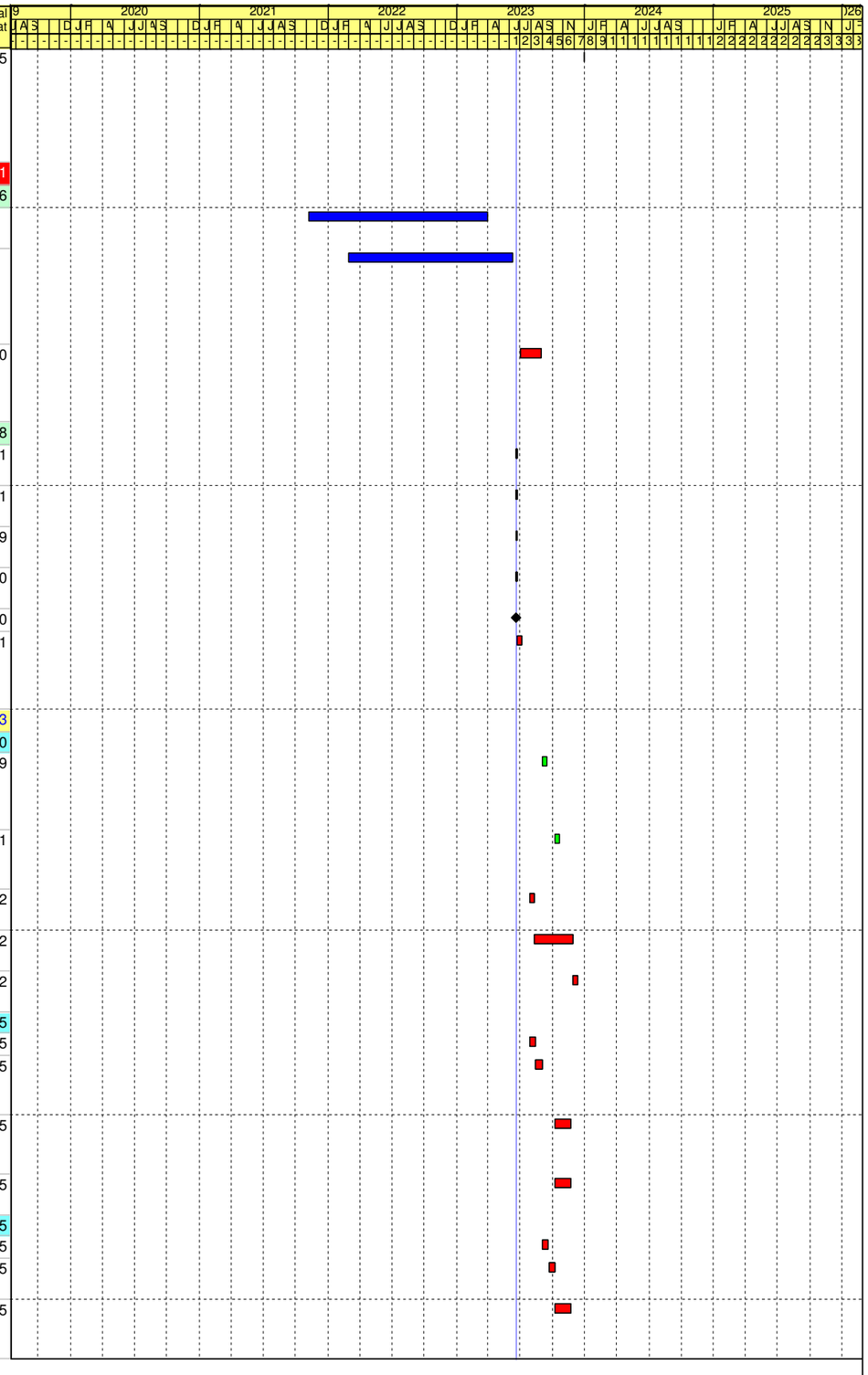
S5TXRT1010	Ready for Power Energisation	3	29-Dec-23	31-Dec-23	29-Mar-23	31-Mar-23	S5TXRC1020, S5TXRC1040, S5WS2C1060, S5WS2C1040, S5WS2C1130, S5TXRT1000	SC51110, S5SHPT1000, S5DOUT1000, S5PSWT1000	-275
Sludge Digesters & Distribution Chamber		870	06-Nov-21 A	08-Apr-24	25-Jul-22	14-May-25			401
Fabrication, FAT & Delivery of Major Plant & Materials		692	06-Nov-21 A	29-Aug-23	10-Aug-22	17-Dec-22			-256
S5DIGP1000	Fabrication & Delivery of Sludge Digestion System	180	06-Nov-21 A	29-Mar-23 A	10-Aug-22	10-Aug-22	S2P1020, S2D1450	S5DIGC1210	
S5DIGP1010	Fabrication & Delivery of FRP Walkway / Cover	480	01-Mar-22 A	10-Jun-23 A	17-Dec-22	17-Dec-22	S2P1020	S5DIGC1040, S5DIGC1050, S5DIGC1060, S5DIGC1070, S5DIGC1080	
S5DIGP1020	Fabrication & Delivery of Pipeworks & Associated Valves	60	01-Jul-23*	29-Aug-23	25-Aug-22	23-Oct-22	S5P1010	S5DIGC1110, S5DIGC1150, S5DIGC1190, S5DIGC1250	-310
Installation		256	21-Jun-23 A	02-Mar-24	25-Jul-22	14-May-25			438
S5DIGC1000	Access to Sludge Digesters & Distribution Chamber (Impacted by EWN-0314)	1	21-Jun-23*	21-Jun-23	25-Jul-22	25-Jul-22		S5DIGC1030	-331
S5DIGC1010	Access to Sludge Digester No.1 & Distribution Chamber (Impacted by EWN-0314-1)	1	21-Jun-23*	21-Jun-23	25-Jul-22	25-Jul-22		S5DIGC1030	-331
S5DIGC1020	Access to Sludge Digesters - Remaining (Impacted by EWN-0314-1)	1	21-Jun-23*	21-Jun-23	30-Apr-25	30-Apr-25		S5DIGC1050	679
S5DIGC1022	Access to Sludge Digesters - Remaining (Impacted by EWN-0314-2)	1	21-Jun-23 A	21-Jun-23	26-Jul-22	26-Jul-22		S5DIGC1025	-330
S5DIGC1025	Assume Actual Access Date	0	21-Jun-23		26-Jul-22		S5DIGC1022	S5DIGC1030	-330
S5DIGC1030	Mobilisation	15	22-Jun-23	06-Jul-23	26-Jul-22	09-Aug-22	AD1080, S5DIGC1000, S5DIGC1010, S5DIGC1025	S5DIGC1210, S5DIGC1040	-331
E&M Installation		231	21-Jun-23	06-Feb-24	10-Aug-22	14-May-25			463
FRP Walkway / Cover Installation		138	27-Jul-23	11-Dec-23	17-Dec-22	14-May-25			520
S5DIGC1040	Installation of Working Platform for Digester 1 (Roof)	14	02-Sep-23	15-Sep-23	10-Dec-23	23-Dec-23	AD1080, S5DIGP1010, S5DIGC1030, S5DIGC1100	SC51110, PL1210, PL1310	99
S5DIGC1050	Installation of Working Platform for Digester 3 (Roof)	14	08-Oct-23	21-Oct-23	01-May-25	14-May-25	S5DIGC1020, S5DIGC1140, S5DIGP1010		571
S5DIGC1060	Installation of Working Platform for Digester 4 (Roof)	14	27-Jul-23	09-Aug-23	17-Dec-22	30-Dec-22	S5DIGC1180, S5DIGP1010	S5DIGC1070	-222
S5DIGC1070	Installation of Working Platform for Distribution Chamber & Overflow Chamber	110	10-Aug-23	27-Nov-23	31-Dec-22	19-Apr-23	S5DIGC1060, S5DIGP1010	S5DIGC1080	-222
S5DIGC1080	Installation of Working Platform for Digester 2 (Roof)	14	28-Nov-23	11-Dec-23	20-Apr-23	03-May-23	S5DIGC1070, S5DIGP1010	S5DIGT1020	-222
Sludge Digester 1		118	27-Jul-23	21-Nov-23	03-Jan-23	30-Apr-23			-205
S5DIGC1090	Installation of Sludge Mixer (4 nos.)	19	27-Jul-23	14-Aug-23	03-Jan-23	21-Jan-23	S5DIGC1180	S5DIGC1100	-205
S5DIGC1100	Installation of Motor with Belt adjustment	18	15-Aug-23	01-Sep-23	22-Jan-23	08-Feb-23	S5DIGC1090	S5DIGC1110, S5DIGC1130, S5DIGC1040	-205
S5DIGC1110	Installation of Pipework, Valve, Inpsection Window, Telescopic Valve & Instruments	45	08-Oct-23	21-Nov-23	17-Mar-23	30-Apr-23	S5DIGC1100, S5DIGP1020, S5DIGC1150	S5DIGC1120	-205
S5DIGC1120	Installation of Electrical System	45	08-Oct-23	21-Nov-23	17-Mar-23	30-Apr-23	S5DIGC1110, S5P1050	S5DIGT1010	-205
Sludge Digester 3		81	02-Sep-23	21-Nov-23	09-Feb-23	30-Apr-23			-205
S5DIGC1130	Installation of Sludge Mixer (4 nos.)	18	02-Sep-23	19-Sep-23	09-Feb-23	26-Feb-23	S5DIGC1100	S5DIGC1140	-205
S5DIGC1140	Installation of Motor with Belt adjustment	18	20-Sep-23	07-Oct-23	27-Feb-23	16-Mar-23	S5DIGC1130	S5DIGC1150, S5DIGC1050	-205
S5DIGC1150	Installation of Pipework, Valve, Inpsection Window, Telescopic Valve & Instruments	45	08-Oct-23	21-Nov-23	17-Mar-23	30-Apr-23	S5DIGC1140, S5DIGP1020	S5DIGC1160, S5DIGC1110, S5DIGC1190	-205



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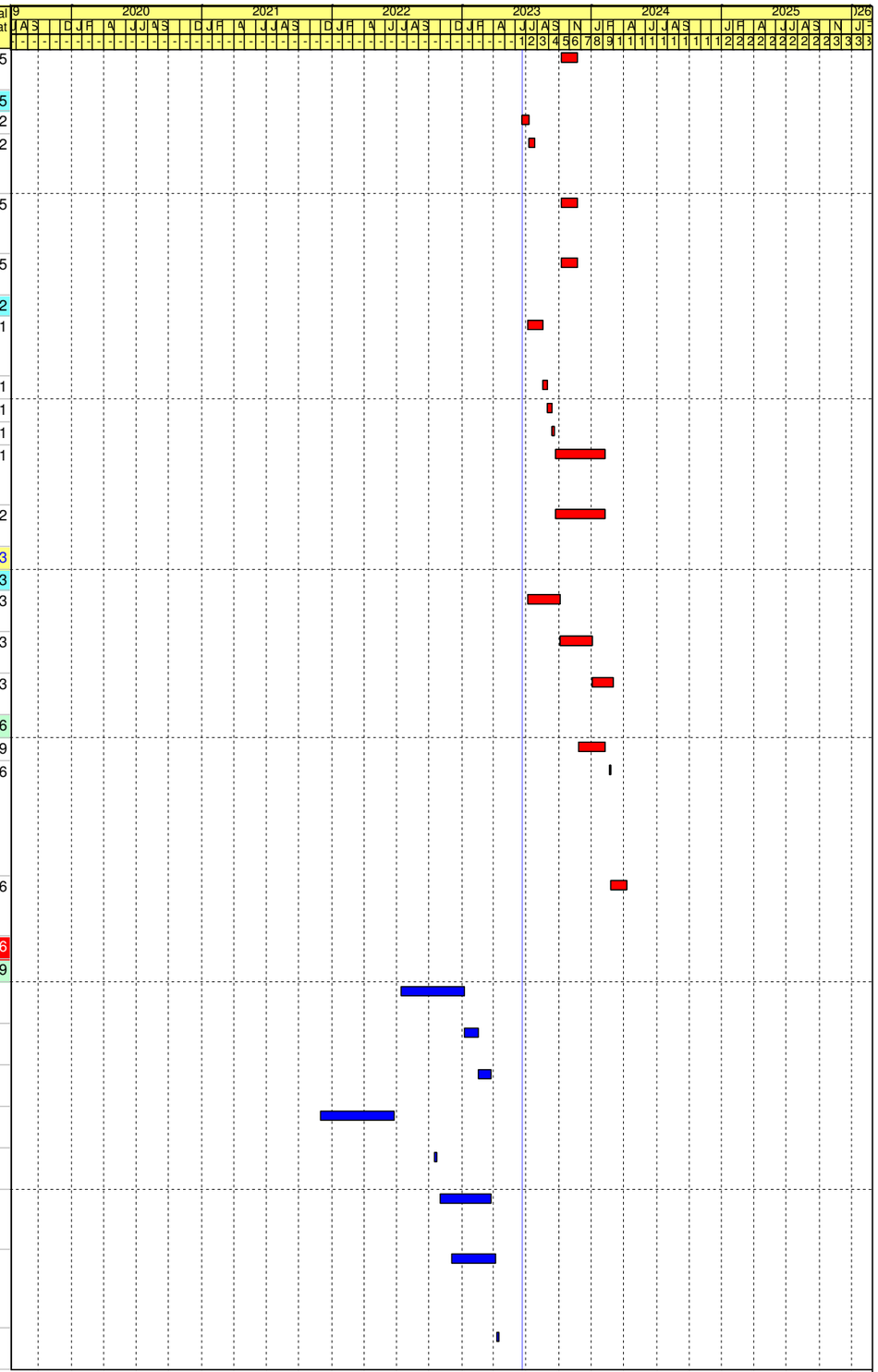
31-May-23	Rev.34	IM/LT	KM
30-Jun-23	Rev.35	IM/LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Successors	Total Float
S5DIGC1160	Installation of Electrical System	45	08-Oct-23	21-Nov-23	17-Mar-23	30-Apr-23	S5DIGC1150, S5P1050	S5DIGT1010	-205
Sludge Digester 4		154	21-Jun-23	21-Nov-23	11-Nov-22	30-Apr-23			-205
S5DIGC1170	Installation of Sludge Mixer (4 nos.)	18	21-Jun-23*	08-Jul-23	11-Nov-22	28-Nov-22		S5DIGC1180	-222
S5DIGC1180	Installation of Motor with Belt adjustment	18	09-Jul-23	26-Jul-23	29-Nov-22	16-Dec-22	S5DIGC1170	S5DIGC1190, S5DIGC1090, S5DIGC1060	-222
S5DIGC1190	Installation of Pipework, Valve, Inpsection Window, Telescopic Valve & Instruments	45	08-Oct-23	21-Nov-23	17-Mar-23	30-Apr-23	S5DIGC1180, S5DIGP1020, S5DIGC1150	S5DIGC1200	-205
S5DIGC1200	Installation of Electrical System	45	08-Oct-23	21-Nov-23	17-Mar-23	30-Apr-23	S5DIGC1190, S5P1050	S5DIGT1010	-205
Distribution Chamber		215	07-Jul-23	06-Feb-24	10-Aug-22	30-Apr-23			-282
S5DIGC1210	Installation of Sludge Recirculation Pumps (5 nos.)	40	07-Jul-23	15-Aug-23	10-Aug-22	18-Sep-22	AD1080, S5DIGP1000, S5DIGC1030	S5DIGC1220, S5DIGC1280	-331
S5DIGC1220	Installation of Heat Exchanger (3 nos.)	14	16-Aug-23	29-Aug-23	19-Sep-22	02-Oct-22	S5DIGC1210	S5DIGC1230	-331
S5DIGC1230	Installation of Sludge Transfer Pump (2 nos.)	14	30-Aug-23	12-Sep-23	03-Oct-22	16-Oct-22	S5DIGC1220	S5DIGC1240	-331
S5DIGC1240	Installation of Vertical Mixer at Sludge Buffer Tank (2 nos.)	7	13-Sep-23	19-Sep-23	17-Oct-22	23-Oct-22	S5DIGC1230	S5DIGC1250	-331
S5DIGC1250	Installation of Pipework, Valve & Instruments	140	20-Sep-23	06-Feb-24	24-Oct-22	12-Mar-23	S5DIGC1240, S5DIGP1020	S5DIGC1260, S5DIGT1000, S5H2SC1020	-331
S5DIGC1260	Installation of Electrical System	140	20-Sep-23	06-Feb-24	12-Dec-22	30-Apr-23	S5DIGC1250, S5P1050	S5DIGT1010	-282
BS Installation		240	07-Jul-23	02-Mar-24	24-Jun-23	18-Feb-24			-13
Distribution Chamber		240	07-Jul-23	02-Mar-24	24-Jun-23	18-Feb-24			-13
S5DIGC1280	Installation of FS System	90	07-Jul-23	04-Oct-23	24-Jun-23	21-Sep-23	S5DIGC1210	S5DIGC1290, S5S1220	-13
S5DIGC1290	Installation of MVAC System	90	05-Oct-23	02-Jan-24	22-Sep-23	20-Dec-23	S5DIGC1280	S5DIGC1300, S5S1220	-13
S5DIGC1300	Installation of Plumbing System	60	03-Jan-24	02-Mar-24	21-Dec-23	18-Feb-24	S5S1120, S5DIGC1290	S5S1160	-13
Testing and Commissioning		137	24-Nov-23	08-Apr-24	18-Feb-23	17-Jun-23			-296
S5DIGT1000	Pipe Pressure Test	75	24-Nov-23	06-Feb-24	18-Feb-23	03-May-23	S5DIGC1250	S5DIGT1020	-279
S5DIGT1010	Ready for Power Energisation	3	21-Feb-24	23-Feb-24	01-May-23	03-May-23	S5DIGC1260, S5DIGC1200, S5DIGC1160, S5DIGC1120, S5EXAC1030, S5CHPT1020	S5DIGT1020	-296
S5DIGT1020	SAT for Sludge Digestion System	45	24-Feb-24	08-Apr-24	04-May-23	17-Jun-23	S5DIGC1080, S5DIGT1010, S5DIGT1000	S5T1080	-296
Workshop No. 2		824	29-Nov-21 A	23-Apr-24	02-Oct-22	14-May-25			386
Fabrication, FAT & Delivery of Major Plant & Materials		760	29-Nov-21 A	23-Dec-23	19-Dec-22	14-Nov-23			-39
S5WS2P1000	Fabrication of 11kV to 380V Transfomers	123	14-Jul-22 A	09-Jan-23 A	16-Jan-23	16-Jan-23	S2P1110	S5WS2P1010	
S5WS2P1010	FAT for 11kV to 380V Transfomers	37	10-Jan-23 A	15-Feb-23 A	16-Jan-23	16-Jan-23	S5WS2P1000	S5WS2P1020	
S5WS2P1020	Delivery of 11kV to 380V Transfomers	28	16-Feb-23 A	25-Mar-23 A	16-Jan-23	16-Jan-23	S5WS2P1010	S5CHPC1130, S5WS2C1070	
S5WS2P1060	Fabrication of 11 kV Switchboard	210	29-Nov-21 A	26-Jun-22 A	19-Dec-22	19-Dec-22	S2P1120	S5WS2P1070	
S5WS2P1070	FAT for 11 kV Switchboard	14	18-Oct-22 A	21-Oct-22 A	19-Dec-22	19-Dec-22	S5WS2P1060	S5WS2P1080	
S5WS2P1080	Delivery of 11kV Switchboard	90	01-Nov-22 A	25-Mar-23 A	19-Dec-22	19-Dec-22	S5WS2P1070	S5WS2C1060, S5CHPC1140, S5WS2T1000	
S5WS2P1090	Fabrication of LV Switchboard	120	04-Dec-22 A	07-Apr-23 A	31-Oct-23	31-Oct-23	S2P1130, S2D1250, S2D1190, S2D1270	S5WS2P1100	
S5WS2P1100	FAT for LV Switchboard	14	10-Apr-23 A	14-Apr-23 A	31-Oct-23	31-Oct-23	S5WS2P1090	S5WS2P1110	



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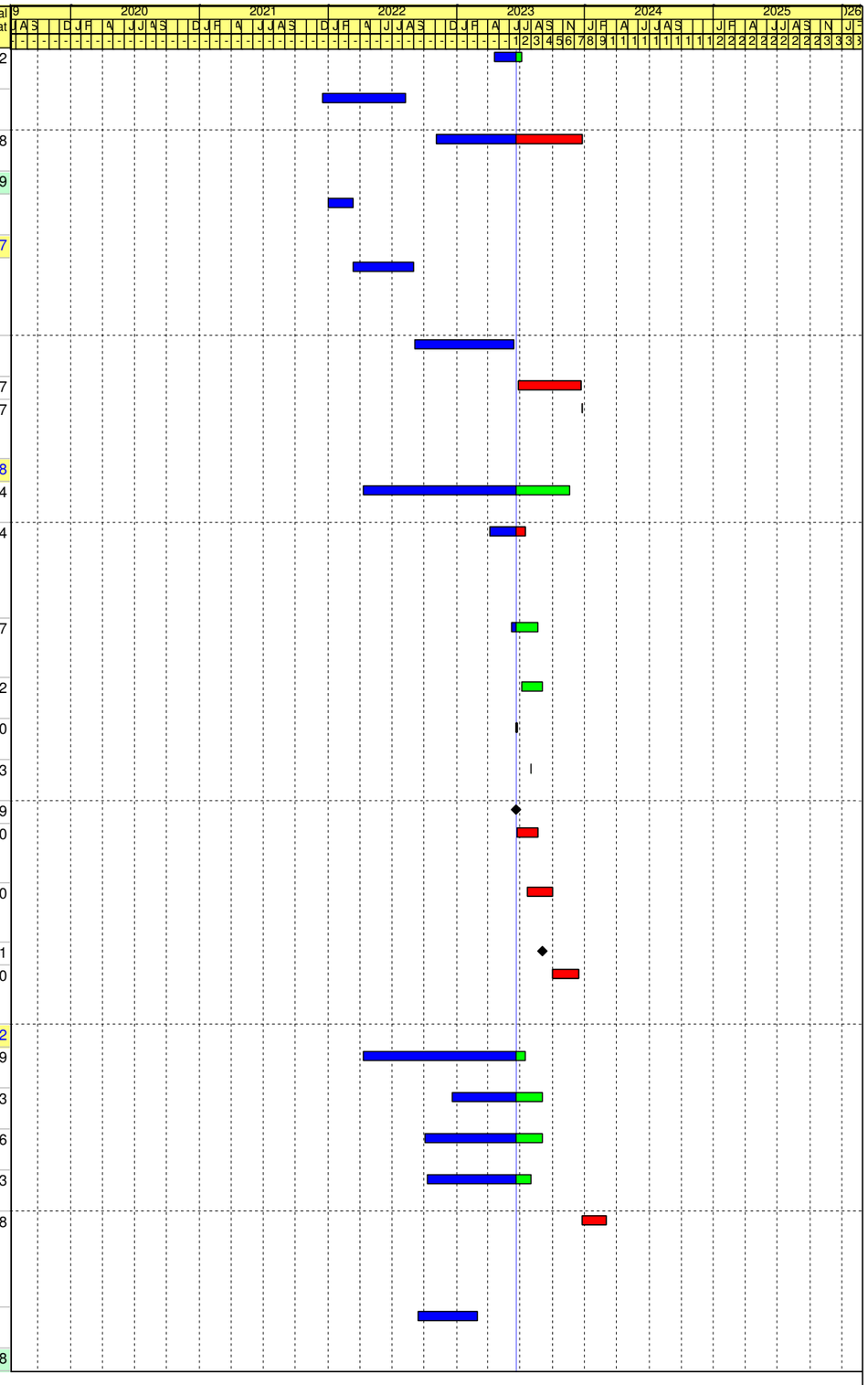
Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Successors	Total Float
S5WS2P1110	Delivery of LV Switchboard	60	20-Apr-23 A	05-Jul-23	31-Oct-23	14-Nov-23	S5WS2P1100	S5WS2C1080, S5WS2T1005	132
S5WS2P1120	Fabrication & Delivery of Lift	210	18-Dec-21 A	10-Aug-22 A	19-Sep-23	19-Sep-23		S5WS2C1190	
S5WS2P1130	Fabrication, FAT & Delivery of SCADA System	415	04-Nov-22 A	23-Dec-23	15-Mar-23	16-Sep-23		S5WS2C1180	-98
Installation		771	31-Dec-21 A	01-Mar-24	02-Oct-22	14-May-25			439
S5WS2C1000	Mobilisation	14	31-Dec-21 A	12-Mar-22 A	02-Oct-22	02-Oct-22	AD1120, S5S1030	S5WS2C1010, S5WS2C1050	
CLP Substation		643	14-Mar-22 A	23-Dec-23	02-Oct-22	31-Mar-23			-267
S5WS2C1010	BS Fitting Installation (at CLP Sub-station in Workshop No.2)	60	14-Mar-22 A	02-Sep-22 A	02-Oct-22	02-Oct-22	S5WS2C1000, AD1120	KD1060, S5WS2C1020, S5WS2C1050, KD1060-1	
S5WS2C1020	Inspections, Rectification & H/O to CLP	270	03-Sep-22 A	13-Jun-23 A	02-Oct-22	02-Oct-22	S5WS2C1010	S5WS2C1030	
S5WS2C1030	E&M Installation of HV Transformer (By CLP)	180	26-Jun-23*	22-Dec-23	02-Oct-22	30-Mar-23	S5WS2C1020	S5WS2C1040	-267
S5WS2C1040	Energisation (By CLP)	1	23-Dec-23	23-Dec-23	31-Mar-23	31-Mar-23	S5WS2C1030, S5WS2C1060, S5S1000	S5TXRT1010	-267
HV Switchroom / Transformer Room / LV Switchroom		600	11-Apr-22 A	13-Dec-23	04-Oct-22	14-May-25			518
S5WS2C1050	BS Fitting Intallation	430	11-Apr-22 A	17-Nov-23	16-Dec-24	14-May-25	S5WS2C1000, S5WS2C1010		544
S5WS2C1060	HV Switchroom Installation	90	06-Apr-23 A	15-Jul-23	19-Dec-22	12-Jan-23	S5WS2P1080, S5WS2T1000	S5WS2C1130, S5TXRT1010, S5WS2C1040, S5WS2C1070, S5WS2T1010	-184
S5WS2C1070	TX Room Installation	60	06-Jun-23 A	19-Aug-23	15-Nov-23	13-Jan-24	S5WS2C1060, S5WS2P1020, S5WS2T1000	S5WS2T1010	147
S5WS2C1080	LV Switchroom Installation	60	06-Jul-23	03-Sep-23	15-Nov-23	13-Jan-24	S5WS2P1110, S5WS2T1005	S5WS2T1010	132
S5WS2C1090	Access to Other Peripheral Systems (Impacted by EWN-0314)	1	21-Jun-23*	21-Jun-23	04-Oct-22	04-Oct-22		S5WS2C1110	-260
S5WS2C1100	Access to Other Peripheral Systems (Impacted by EWN-0314-1)	1	31-Jul-23*	31-Jul-23	14-May-25	14-May-25			653
S5WS2C1105	Access to Stage 1 External Area	0	21-Jun-23*		05-Oct-22			S5WS2C1110	-259
S5WS2C1110	HV Cables Laying between Workshop No.2 & Tx Rm for CHP Bldg and Termination	60	22-Jun-23	20-Aug-23	05-Oct-22	03-Dec-22	S5WS2C1090, S5WS2C1105	S5WS2C1120, PL1210, S5CHPT1020	-260
S5WS2C1120	HV Cables Laying between Workshop No.2 & Tx Rm for Sludge Dewatering Bldg and Termination	70	22-Jul-23	29-Sep-23	04-Nov-22	12-Jan-23	S5WS2C1110	S5WS2C1130, PL1210, S5SDBT1050	-260
S5WS2C1125	Access to Stage 3 External Area	0	01-Sep-23*		13-Jan-23			S5WS2C1130	-231
S5WS2C1130	HV Cables Laying between Workshop No.2 & Tx Rm for UV System No.1 and Termination	75	30-Sep-23*	13-Dec-23	13-Jan-23	28-Mar-23	S5WS2C1060, S5WS2C1120, S5WS2C1125	S5TXRT1010, PL1210	-260
Building Services		528	11-Apr-22 A	01-Mar-24	07-Jul-23	18-Feb-24			-12
S5WS2C1140	Installation of FS System	430	11-Apr-22 A	16-Jul-23	28-Sep-23	23-Oct-23	S5S1120	S5WS2C1150, S5S1130	99
S5WS2C1150	Installation of MVAC System	225	19-Dec-22 A	31-Aug-23	22-Oct-23	01-Jan-24	S5WS2C1140	S5S1220	123
S5WS2C1160	Installation of Electrical System	300	03-Oct-22 A	31-Aug-23	07-Jul-23	16-Sep-23		S5WS2C1180	16
S5WS2C1170	Installation of Plumbing System	260	10-Oct-22 A	30-Jul-23	10-Jan-24	18-Feb-24	S5S1120	S5S1160	203
S5WS2C1180	Installation of SCADA System	69	24-Dec-23	01-Mar-24	17-Sep-23	24-Nov-23	S5WS2C1160, S5WS2P1130	S5T1200, S5T1000, S5T1010, S5S0990, PL1210	-98
S5WS2C1190	Installation of Lift	120	13-Sep-22 A	28-Feb-23 A	19-Sep-23	19-Sep-23	S5WS2P1120	S5WS2T1020, S5SDBC1780	
Testing and Commissioning		308	22-May-23 A	23-Apr-24	19-Dec-22	16-Mar-24			-38



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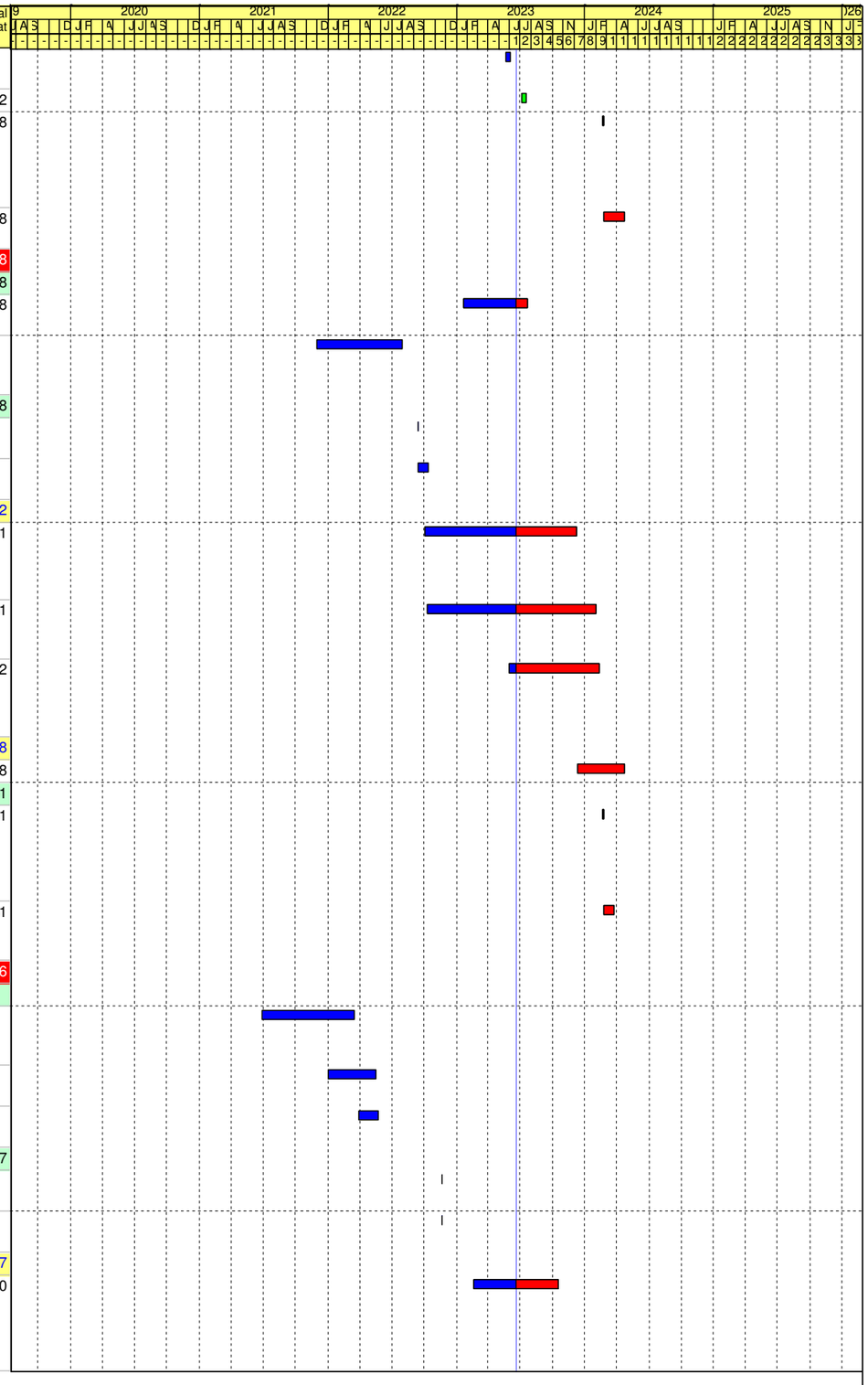
S5WS2T1000	SAT for Transformer & Switchboard	14	22-May-23 A	04-Jun-23 A	19-Dec-22	19-Dec-22	S5WS2P1080	S5WS2C1060, S5WS2C1070	
S5WS2T1005	SAT for LV Switchboard	14	06-Jul-23	19-Jul-23	15-Nov-23	28-Nov-23	S5WS2P1110	S5WS2C1080	132
S5WS2T1010	Ready for Power Energisation	3	21-Feb-24	23-Feb-24	14-Jan-24	16-Jan-24	S5EXAC1030, S5WS2C1060, S5WS2C1080, S5WS2C1070, S5CHPT1020	S5WS2T1020	-38
S5WS2T1020	SAT for Lift	60	24-Feb-24	23-Apr-24	17-Jan-24	16-Mar-24	S5WS2C1190, S5WS2T1010	S5S1090	-38
Biogas Storage		860	29-Nov-21 A	22-Apr-24	03-Nov-22	27-Oct-23			-178
Fabrication, FAT & Delivery of Major Plant & Materials		608	29-Nov-21 A	20-Jul-23	03-Nov-22	02-Jul-23			-18
S5BIOP1000	Fabrication & Delivery of Biogas Booster and Transfer Pumps	180	22-Jan-23 A	20-Jul-23	03-Jun-23	02-Jul-23	S5P1000	S5BIOC1040	-18
S5BIOP1010	Fabrication & Delivery of Biogas Storage	180	29-Nov-21 A	30-Jul-22 A	03-Nov-22	03-Nov-22	S2P1050, S2D1530	S5BIOC1020, S5BIOC1030, S5BIOC1040	
E&M Installation		586	13-Sep-22 A	22-Apr-24	03-Nov-22	27-Oct-23			-178
S5BIOC1000	Access to Biogas Holding Tanks (Impacted by EWN-0314-1)	1	13-Sep-22 A	13-Sep-22 A	03-Nov-22	03-Nov-22		S5BIOC1010	
S5BIOC1010	Mobilisation	30	13-Sep-22 A	14-Oct-22 A	03-Nov-22	03-Nov-22	AD1100, S5BIOC1000	S5BIOC1020	
Mechanical Installation		494	03-Oct-22 A	09-Feb-24	03-Nov-22	02-Jul-23			-222
S5BIOC1020	Mechanical Installation of Biogas Storage Tank 3	433	03-Oct-22 A	09-Dec-23	03-Nov-22	22-Apr-23	AD1100, S5BIOP1010, S5S1060, S5BIOC1010	S5BIOC1030, S5BIOT1000, S5BIOC1060	-231
S5BIOC1030	Mechanical Installation of Biogas Storage Tank 2	479	10-Oct-22 A	31-Jan-24	03-Nov-22	14-Jun-23	AD1100, S5BIOC1020, S5BIOP1010	S5BIOC1040, S5WGBC1020, S5BIOT1000	-231
S5BIOC1040	Mechanical Installation of Biogas Storage Tank 1	254	01-Jun-23 A	09-Feb-24	12-Nov-22	02-Jul-23	AD1100, S5BIOC1030, S5BIOP1010, S5BIOP1000	S5BIOT1010, PL1210	-222
Electrical Installation		135	10-Dec-23	22-Apr-24	15-Jun-23	27-Oct-23			-178
S5BIOC1060	Electrical Installation for Biogas Holding Tanks	135	10-Dec-23	22-Apr-24	15-Jun-23	27-Oct-23	S5BIOC1020	S5BIOT1000	-178
Testing and Commissioning		33	21-Feb-24	24-Mar-24	15-Jun-23	17-Jul-23			-251
S5BIOT1000	Ready for Power Energisation	3	21-Feb-24	23-Feb-24	15-Jun-23	17-Jun-23	S5BIOC1030, S5BIOC1020, S5EXAC1050, S5BIOC1060, S5CHPT1020	S5BIOT1010	-251
S5BIOT1010	SAT for Biogas Storage System	30	24-Feb-24	24-Mar-24	18-Jun-23	17-Jul-23	S5BIOC1040, S5CHPT1020, S5BIOT1000	S5T1070	-251
THP Area		958	29-Jun-21 A	24-Mar-24	04-Nov-22	02-Jun-23			-296
Fabrication, FAT & Delivery of Major Plant & Materials		315	29-Jun-21 A	23-May-22 A	04-Nov-22	04-Nov-22			
S5THPP1000	Fabrication of THP System	300	29-Jun-21 A	18-Mar-22 A	04-Nov-22	04-Nov-22	S2P1040, S2D1410, S2D1370	S5THPP1010	
S5THPP1010	FAT for THP System	14	03-Jan-22 A	17-May-22 A	04-Nov-22	04-Nov-22	S5THPP1000	S5THPP1020	
S5THPP1020	Delivery of THP System	60	29-Mar-22 A	23-May-22 A	04-Nov-22	04-Nov-22	S5THPP1010	S5THPC1020	
E&M Installation		361	22-Nov-22 A	16-Dec-23	04-Nov-22	03-May-23			-227
S5THPC1000	Access to THP Area (Impacted by EWN-0314)	1	22-Nov-22 A	22-Nov-22 A	04-Nov-22	04-Nov-22		S5THPC1020	
S5THPC1010	Access to THP Area (Impacted by EWN-0314-1)	1	22-Nov-22 A	22-Nov-22 A	04-Nov-22	04-Nov-22		S5THPC1020	
Mechanical Installation		240	20-Feb-23 A	17-Oct-23	04-Nov-22	03-May-23			-167
S5THPC1020	Mechanical Installation of THP System	240	20-Feb-23 A	17-Oct-23	04-Nov-22	01-Mar-23	AD1100, S5THPP1020, S5S1020, S5THPC1000, S5THPC1010	S5THPC1030, S5THPT1010, S5THPC1050, S5WGBC1020, S5THPT1000	-230



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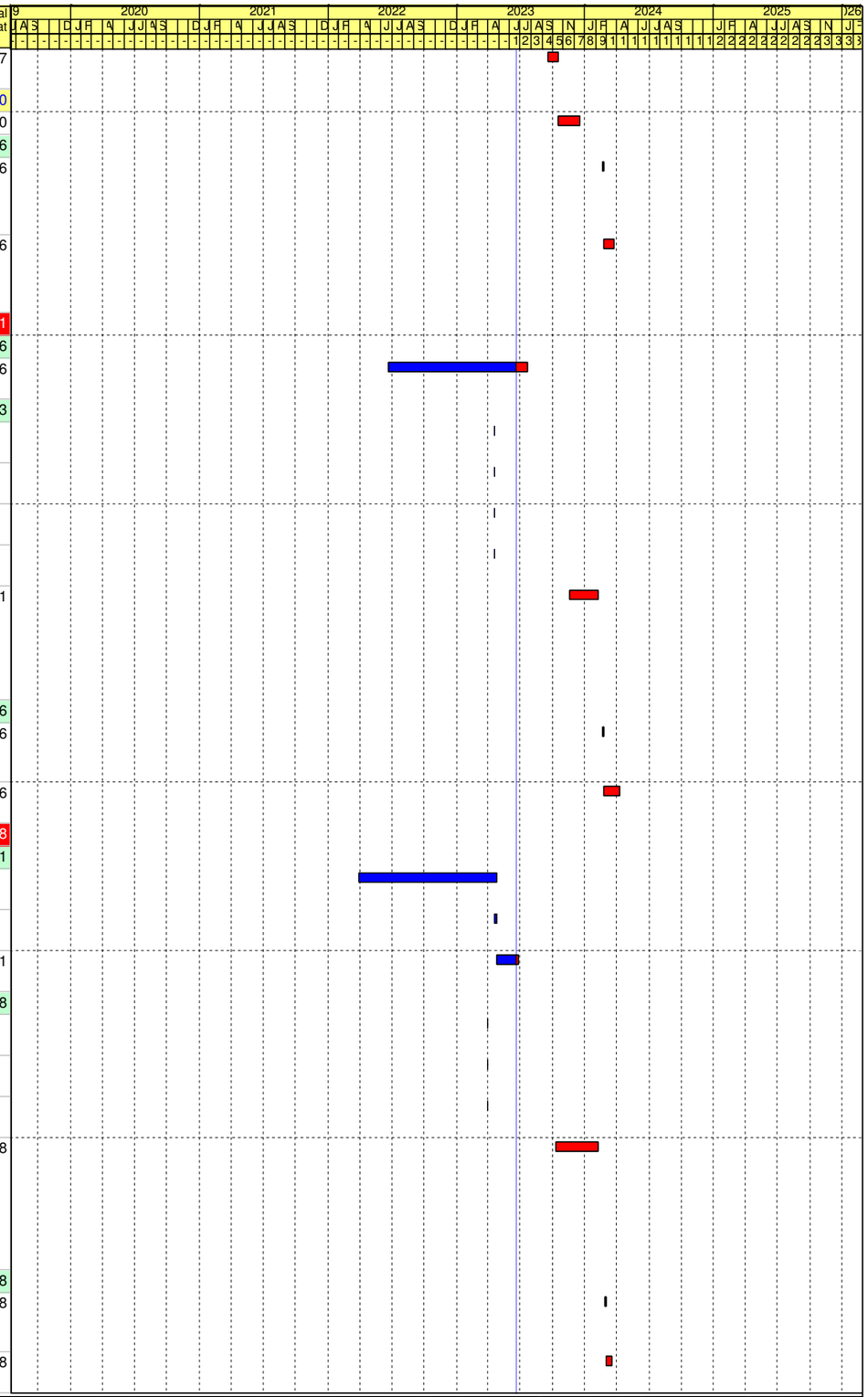
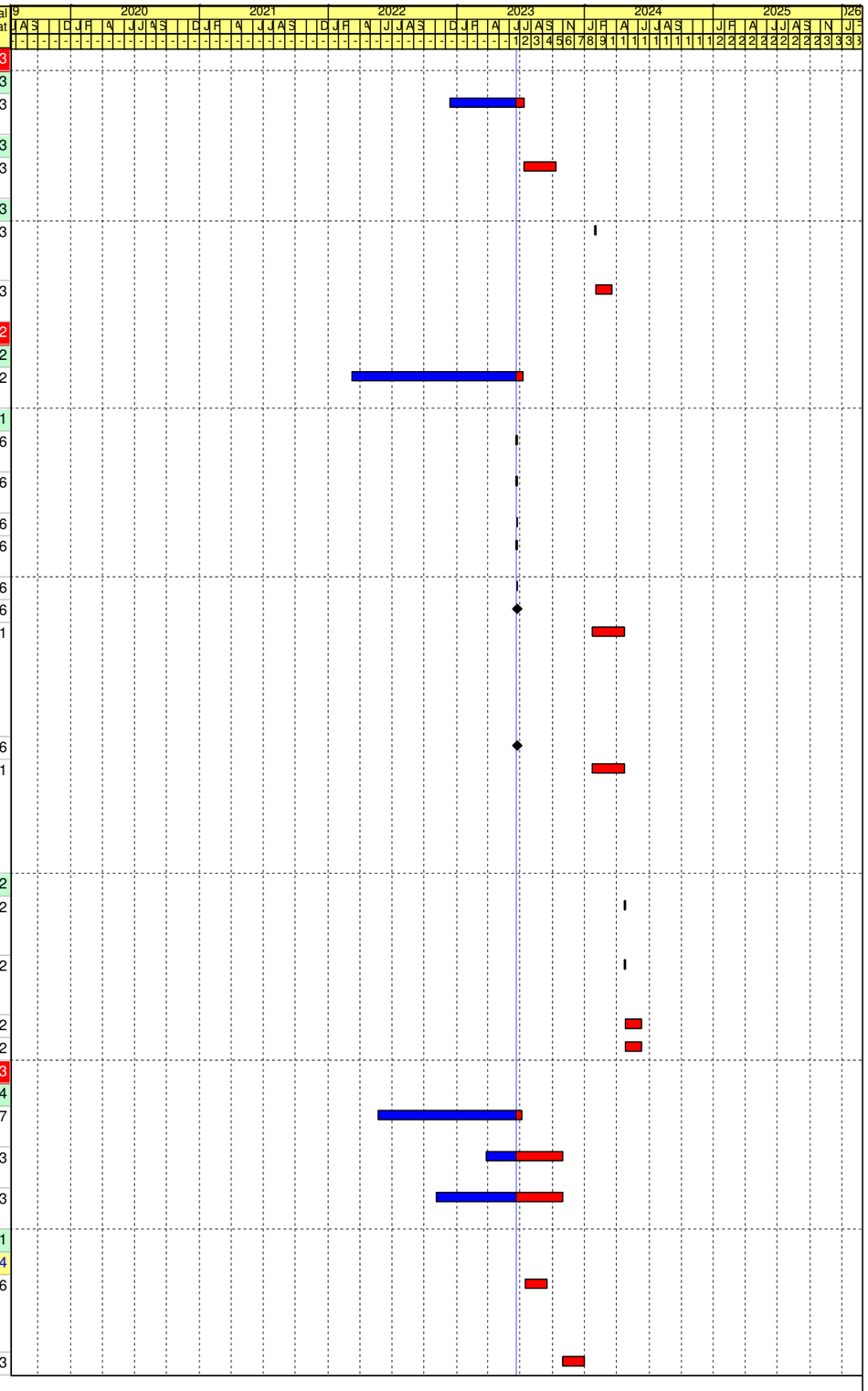
S5THPC1030	Mechanical Installation of Thickened Sludge Feed Pipe to THP System	30	18-Sep-23*	17-Oct-23	04-Apr-23	03-May-23	S5THPC1020	S5THPT1010, PL1210	-167
Electrical Installation		60	18-Oct-23	16-Dec-23	02-Mar-23	30-Apr-23			-230
S5THPC1050	Electrical Installation for THP Facilities	60	18-Oct-23	16-Dec-23	02-Mar-23	30-Apr-23	S5THPC1020	S5THPT1000	-230
Testing and Commissioning		33	21-Feb-24	24-Mar-24	01-May-23	02-Jun-23			-296
S5THPT1000	Ready for Power Energisation	3	21-Feb-24	23-Feb-24	01-May-23	03-May-23	S5THPC1020, S5EXAC1050, S5THPC1050, S5CHPT1020	S5THPT1010	-296
S5THPT1010	SAT of THP System	30	24-Feb-24	24-Mar-24	04-May-23	02-Jun-23	S5THPC1020, S5THPC1030, S5CHPT1020, S5THPT1000	S5T1050	-296
H2S Removal Area		597	23-Jun-22 A	08-Apr-24	07-Nov-22	14-May-25			401
Fabrication, FAT & Delivery of Major Plant & Materials		360	23-Jun-22 A	22-Jul-23	07-Nov-22	08-Dec-22			-226
S5H2SP1000	Fabrication & Delivery of H2S Removal System	360	23-Jun-22 A	22-Jul-23	07-Nov-22	08-Dec-22	S2P1060, S2D1530	S5H2SC1020	-226
Installation		292	20-Apr-23 A	06-Feb-24	23-Dec-22	14-May-25			463
S5H2SC1000	Access to H2S Removal Area (Impacted by EWN-0314)	1	20-Apr-23 A	20-Apr-23 A	23-Dec-22	23-Dec-22		S5H2SC1020	
S5H2SC1010	Access to H2S Removal Area (Impacted by EWN-0314-1)	1	20-Apr-23 A	20-Apr-23 A	23-Dec-22	23-Dec-22		S5H2SC1020	
S5H2SC1012	Access to H2S Removal Area (Impacted by EWN-0314-2)	1	20-Apr-23 A	20-Apr-23 A	14-May-25	14-May-25			
S5H2SC1015	Actual Access Date	1	20-Apr-23 A	20-Apr-23 A	23-Dec-22	23-Dec-22		S5H2SC1020	
S5H2SC1020	E&M Installation of H2S Removal System	80	19-Nov-23	06-Feb-24	23-Dec-22	12-Mar-23	AD1100, S5H2SP1000, S5H2SC1000, S5H2SC1010, S5H2SC1015, S5DIGC1250	S5H2ST1000, PL1210, S5DOUC1030, S5DOUC1040	-331
Testing and Commissioning		48	21-Feb-24	08-Apr-24	01-May-23	17-Jun-23			-296
S5H2ST1000	Ready for Power Energisation	3	21-Feb-24	23-Feb-24	01-May-23	03-May-23	S5H2SC1020, S5EXAC1050, S5CHPT1020	S5H2ST1010	-296
S5H2ST1010	SAT of H2S Removal System	45	24-Feb-24	08-Apr-24	04-May-23	17-Jun-23	S5H2ST1000	S5T1080, S5T1110	-296
Waste Gas Burning Area		635	29-Mar-22 A	16-Mar-24	12-Mar-23	01-Aug-23			-228
Fabrication, FAT & Delivery of Major Plant & Materials		400	29-Mar-22 A	25-Jun-23	12-Mar-23	16-Mar-23			-101
S5WGBP1000	Fabrication of Waste Gas Burning System	210	29-Mar-22 A	26-Apr-23 A	12-Mar-23	12-Mar-23	S2P1080, S2D1650	S5WGBP1010	
S5WGBP1010	FAT for Waste Gas Burning System	6	20-Apr-23 A	26-Apr-23 A	12-Mar-23	12-Mar-23	S5WGBP1000	S5WGBP1020	
S5WGBP1020	Delivery of Waste Gas Burning System	60	27-Apr-23 A	25-Jun-23	12-Mar-23	16-Mar-23	S5WGBP1010	S5WGBC1020	-101
Installation		293	31-Mar-23 A	07-Feb-24	17-Mar-23	14-Jul-23			-208
S5WGBC1000	Access to Waste Gas Burning Area (Impacted by EWN-0314)	1	31-Mar-23 A	31-Mar-23 A	17-Mar-23	17-Mar-23		S5WGBC1020	
S5WGBC1010	Access to Waste Gas Burning Area (Impacted by EWN-0314-1)	1	31-Mar-23 A	31-Mar-23 A	17-Mar-23	17-Mar-23		S5WGBC1020	
S5WGBC1015	Assume Actual Access Date	1	31-Mar-23 A	31-Mar-23 A	17-Mar-23	17-Mar-23		S5WGBC1020	
S5WGBC1020	E&M Installation of Waste Gas Burning System	120	11-Oct-23	07-Feb-24	17-Mar-23	14-Jul-23	AD1100, S5WGBP1020, S5BIOC1030, S5THPC1020, S5WGBC1000, S5WGBC1010, S5WGBC1015	S5WGBT1010, S5WGBT1000, PL1210	-208
Testing and Commissioning		18	28-Feb-24	16-Mar-24	15-Jul-23	01-Aug-23			-228
S5WGBT1000	Ready for Power Energisation	3	28-Feb-24	01-Mar-24	15-Jul-23	17-Jul-23	S5WGBC1020, S5EXAC1090, S5CHPT1020	S5WGBT1010	-228
S5WGBT1010	SAT for Gas Burning System	15	02-Mar-24	16-Mar-24	18-Jul-23	01-Aug-23	S5WGBC1020, S5WGBT1000	S5T1090	-228



Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Successors	Total Float
Plant Service Water Area		390	15-Dec-22 A	16-Mar-24	10-Dec-22	18-May-23			-303
Fabrication, FAT & Delivery of Major Plant & Materials		210	15-Dec-22 A	12-Jul-23	10-Dec-22	31-Dec-22			-193
S5PSWP1000	Fabrication & Delivery of Plant Service Water System	210	15-Dec-22 A	12-Jul-23	10-Dec-22	31-Dec-22	S2P1090, S2D1690	S5PSWC1000	-193
Installation		90	13-Jul-23	10-Oct-23	01-Jan-23	31-Mar-23			-193
S5PSWC1000	E&M Installation of Plant Service Water System	90	13-Jul-23	10-Oct-23	01-Jan-23	31-Mar-23	AD1100, S5PSWP1000	S5PSWT1000, PL1210	-193
Testing and Commissioning		48	29-Jan-24	16-Mar-24	01-Apr-23	18-May-23			-303
S5PSWT1000	Ready for Power Energisation	3	29-Jan-24	31-Jan-24	01-Apr-23	03-Apr-23	S5PSWC1000, S5EXAC1080, S5TXRT1010	S5PSWT1010	-303
S5PSWT1010	SAT & System Commissioning Tests for Plant Services Water System	45	01-Feb-24	16-Mar-24	04-Apr-23	18-May-23	S5PSWT1000, S5UVPC1000	S5T1060	-303
DO Area		750	10-Mar-22 A	08-Jun-24	09-Feb-23	31-Aug-23			-282
Fabrication, FAT & Delivery of Major Plant & Materials		485	10-Mar-22 A	07-Jul-23	09-Feb-23	25-Feb-23			-132
S5DOUP1000	Fabrication & Delivery of DO System	485	10-Mar-22 A	07-Jul-23	09-Feb-23	25-Feb-23	S2P1150, S2D1930	S5DOUC1030, S5DOUC1040	-132
Installation		306	21-Jun-23	21-Apr-24	25-Feb-23	26-May-23			-331
S5DOUC1000	Access to DO Area (Impacted by EWN-0314)	1	21-Jun-23*	21-Jun-23	25-Feb-23	25-Feb-23		S5DOUC1030, S5DOUC1040	-116
S5DOUC1010	Access to DO Area No.11 (Impacted by EWN-0314-1)	1	21-Jun-23*	21-Jun-23	25-Feb-23	25-Feb-23		S5DOUC1030, S5DOUC1012	-116
S5DOUC1012	Access to DO Area No.11 (Impacted by EWN-0314-2)	1	22-Jun-23*	22-Jun-23	26-Feb-23	26-Feb-23	S5DOUC1010	S5DOUC1025	-116
S5DOUC1020	Access to DO Area No.12 (Impacted by EWN-0314-1)	1	21-Jun-23*	21-Jun-23	25-Feb-23	25-Feb-23		S5DOUC1040, S5DOUC1022	-116
S5DOUC1022	Access to DO Area No.12 (Impacted by EWN-0314-2)	1	22-Jun-23*	22-Jun-23	26-Feb-23	26-Feb-23	S5DOUC1020	S5DOUC1035	-116
S5DOUC1025	Assume Actual Access Date (DO Area No.11)	0	22-Jun-23*		26-Feb-23		S5DOUC1012	S5DOUC1030	-116
S5DOUC1030	E&M Installation of DO System No.11	90	23-Jan-24	21-Apr-24	26-Feb-23	26-May-23	AD1100, S5DOUP1000, S5DOUC1000, S5DOUC1010, S5DOUC1025, S5H2SC1020	S5DOUT1000, S5TCWC1020	-331
S5DOUC1035	Assume Actual Access Date (DO Area No.12)	0	22-Jun-23		26-Feb-23		S5DOUC1022	S5DOUC1040	-116
S5DOUC1040	E&M Installation of DO System No.12	90	23-Jan-24	21-Apr-24	26-Feb-23	26-May-23	AD1100, S5DOUP1000, S5DOUC1000, S5DOUC1020, S5DOUC1035, S5H2SC1020	S5DOUT1010, PL1210, S5TCWC1020	-331
Testing and Commissioning		48	22-Apr-24	08-Jun-24	15-Jul-23	31-Aug-23			-282
S5DOUT1000	Ready for Power Energisation of DO No.11	3	22-Apr-24	24-Apr-24	15-Jul-23	17-Jul-23	S5DOUC1030, S5EXAC1080, S5TXRT1010	S5DOUT1020	-282
S5DOUT1010	Ready for Power Energisation of DO No.12	3	22-Apr-24	24-Apr-24	15-Jul-23	17-Jul-23	S5DOUC1040, S5EXAC1050, S5CHPT1020	S5DOUT1030	-282
S5DOUT1020	SAT & System Commissioning Tests for DO System No.11	45	25-Apr-24	08-Jun-24	18-Jul-23	31-Aug-23	S5DOUT1000	S5T1110	-282
S5DOUT1030	SAT & System Commissioning Tests for DO System No.12	45	25-Apr-24	08-Jun-24	18-Jul-23	31-Aug-23	S5DOUT1010	S5T1110	-282
Sewage Pump Station		605	23-May-22 A	15-Feb-24	21-Oct-22	18-Feb-24			3
Fabrication, FAT & Delivery of Major Plant & Materials		543	23-May-22 A	30-Oct-23	21-Oct-22	28-Jul-23			-94
S5SPSP1000	Fabrication & Delivery of Sewage Pump	410	23-May-22 A	06-Jul-23	16-Mar-23	31-Mar-23	S2P1180, S2D1940	S5SPSC1000	-97
S5SPSP1010	Fabrication & Delivery of LV Switchboard	217	28-Mar-23 A	30-Oct-23	21-Oct-22	01-Mar-23		S5SPSC1001, S5SPST0990	-243
S5SPSP1020	Delivery of Control & Monitoring System / SCADA System	360	04-Nov-22 A	29-Oct-23	20-Mar-23	28-Jul-23		S5SPSC1010	-93
Installation		167	16-Jul-23	29-Dec-23	02-Mar-23	18-Feb-24			51
E&M Installation		167	16-Jul-23	29-Dec-23	02-Mar-23	27-Aug-23			-124
S5SPSC1000	E&M Installation of Sewage Pump	60	16-Jul-23	13-Sep-23	01-Apr-23	30-May-23	AD1100, S5SPSP1000	S5SPSC1020, S5SPST1000, PL1210, S5SPSC1010	-106
S5SPSC1001	LV Switchboard Installation	60	31-Oct-23	29-Dec-23	02-Mar-23	30-Apr-23	S5SPSP1010	S5SPST0990	-243

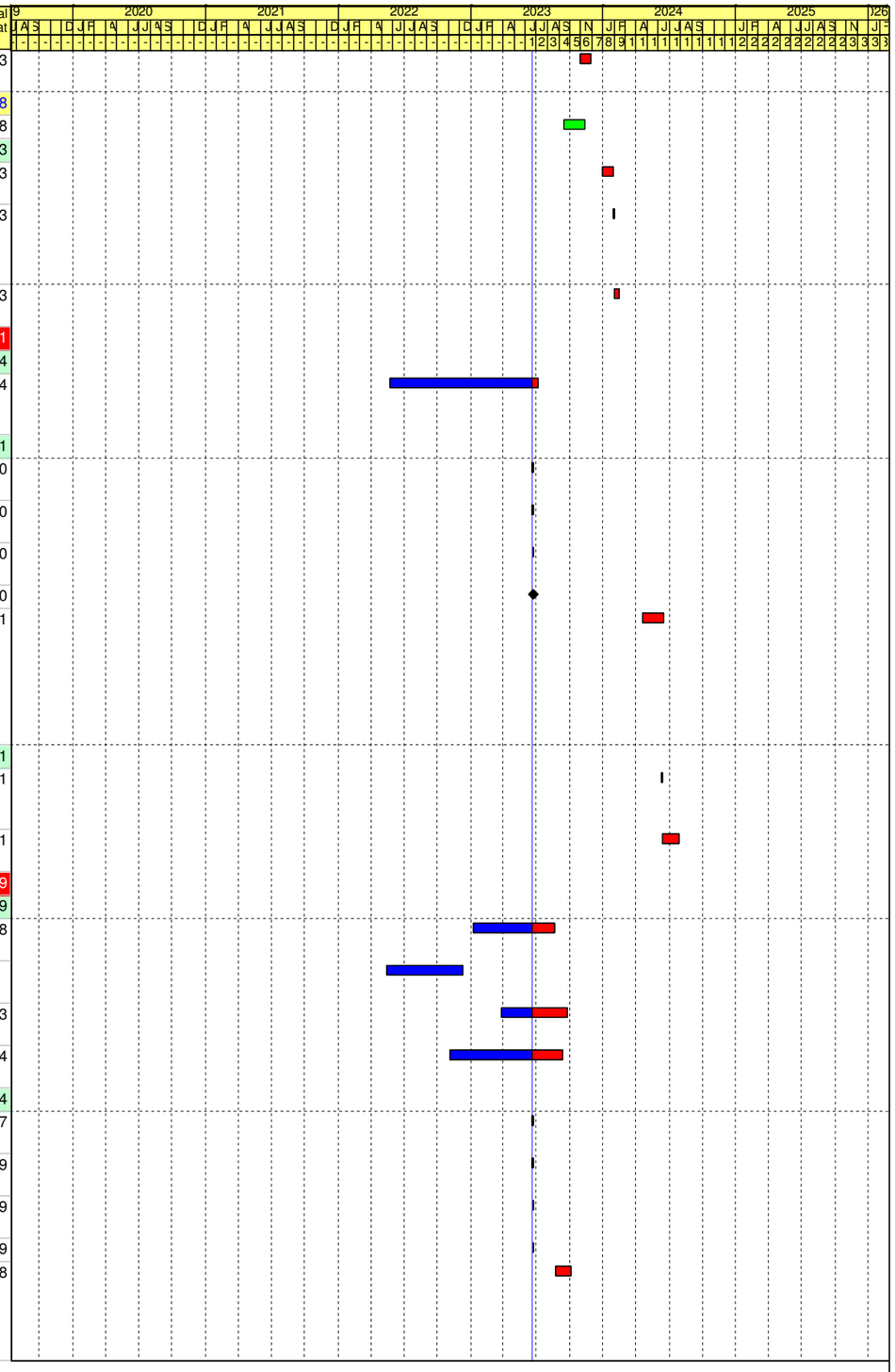


Remaining Work
Critical Activity
Milestone
Actual Progress

Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Jun 2023

Date	Revision	Checked	Approved
28-Feb-23	Rev.31	IM/LT	KM
31-Mar-23	Rev.32	IM/LT	KM
30-Apr-23	Rev.33	IM/LT	KM
31-May-23	Rev.34	IM/LT	KM
30-Jun-23	Rev.35	IM/LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Successors	Total Float
S5SPSC1010	Installation of SCADA System / Control Monitoring System	30	30-Oct-23	28-Nov-23	29-Jul-23	27-Aug-23	S5SPSP1020, S5SPSC1000	S5T1000, S5T1010	-93
BS Installation		60	14-Sep-23	12-Nov-23	21-Dec-23	18-Feb-24			98
S5SPSC1020	BS Installation for Sewage Pumping Station	60	14-Sep-23	12-Nov-23	21-Dec-23	18-Feb-24	S5SPSC1000	S5S1160	98
Testing and Commissioning		48	30-Dec-23	15-Feb-24	01-May-23	17-Jun-23			-243
S5SPST0990	SAT of Switchboard	30	30-Dec-23	28-Jan-24	01-May-23	30-May-23	S5SPSP1010, S5SPSC1001	S5SPST1000	-243
S5SPST1000	Ready for Power Energisation	3	29-Jan-24	31-Jan-24	31-May-23	02-Jun-23	S5SPSC1000, S5SPST0990, S5EXAC1070, S5SDBT1050	S5SPST1010	-243
S5SPST1010	SAT & System Commissioning Tests for Sewage Pumping Station	15	01-Feb-24	15-Feb-24	03-Jun-23	17-Jun-23	S5SPST1000	S5T1060	-243
THP Cooling Water Transfer Pumping Station		768	23-May-22 A	27-Jul-24	08-May-23	31-Aug-23			-331
Fabrication, FAT & Delivery of Major Plant & Materials		374	23-May-22 A	05-Jul-23	08-May-23	22-May-23			-44
S5TCWP1000	Fabrication & Delivery of THP Cooling Pump	374	23-May-22 A	05-Jul-23	08-May-23	22-May-23	S2P1210, S2D1970, S2D1370	S5TCWC1020	-44
Installation		362	21-Jun-23	16-Jun-24	22-May-23	21-Jul-23			-331
S5TCWC1000	Access to THP CW Transfer Pumping Station (Impacted by EWN-0314)	1	21-Jun-23*	21-Jun-23	22-May-23	22-May-23		S5TCWC1020	-30
S5TCWC1010	Access to THP CW Transfer Pumping Station (Impacted by EWN-0314-1)	1	21-Jun-23*	21-Jun-23	22-May-23	22-May-23		S5TCWC1020, S5TCWC1012	-30
S5TCWC1012	Access to THP CW Transfer Pumping Station (Impacted by EWN-0314-2)	1	22-Jun-23*	22-Jun-23	23-May-23	23-May-23	S5TCWC1010	S5TCWC1015	-30
S5TCWC1015	Assume Actual Access Date	0	22-Jun-23*		23-May-23		S5TCWC101	S5TCWC1020	-30
S5TCWC1020	E&M Installation of THP Cooling Pump	60	18-Apr-24	16-Jun-24	23-May-23	21-Jul-23	AD1100, S5TCWP1000, S5TCWC1000, S5TCWC1010, S5TCWC1015, S5DOUC1030, S5DOUC1040	S5TCWT1000, PL1210, S5TCWT1010	-331
Testing and Commissioning		48	10-Jun-24	27-Jul-24	15-Jul-23	31-Aug-23			-331
S5TCWT1000	Ready for Power Energisation	3	10-Jun-24	12-Jun-24	15-Jul-23	17-Jul-23	S5TCWC1020, S5EXAC1030, S5CHPT1020	S5TCWT1010	-331
S5TCWT1010	SAT & System Commissioning Tests for THP Cooling Water Pumping System	45	13-Jun-24	27-Jul-24	18-Jul-23	31-Aug-23	S5TCWT1000, S5TCWC1020	S5T1110	-331
Ferric Chloride Dosing Facility		563	14-May-22 A	03-Mar-24	10-Nov-22	27-Aug-23			-189
Fabrication, FAT & Delivery of Major Plant & Materials		488	14-May-22 A	25-Sep-23	10-Nov-22	28-Jul-23			-59
S5FCDP1000	Fabrication & Delivery of Ferric Chloride Storage Tank	90	09-Jan-23 A	21-Aug-23	15-Nov-22	15-Jan-23	S5P1030, S2D1980	S5FCDC1020	-218
S5FCDP1010	Fabrication & Delivery of Ferric Chloride Dosing Pump	150	14-May-22 A	09-Dec-22 A	15-Feb-23	15-Feb-23	S5P1040, S2D1980	S5FCDC1030	
S5FCDP1020	Fabrication & Delivery of LV Switchboard	180	28-Mar-23 A	25-Sep-23	10-Nov-22	14-Feb-23		S5FCDC1030	-223
S5FCDP1030	Delivery of Control & Monitoring System / SCADA System	311	04-Nov-22 A	10-Sep-23	08-May-23	28-Jul-23		S5FCDP1040	-44
Installation		142	21-Jun-23	09-Nov-23	13-Jan-23	27-Aug-23			-74
S5FCDC1000	Access to Ferric Chloride Dosing Facility (Impacted by EWN-0314)	1	21-Jun-23*	21-Jun-23	15-Jan-23	15-Jan-23		S5FCDC1020	-157
S5FCDC1010	Access to Ferric Chloride Dosing Facility (Impacted by EWN-0314-1)	1	21-Jun-23*	21-Jun-23	13-Jan-23	13-Jan-23		S5FCDC1020, S5FCDC1012	-159
S5FCDC1012	Access to Ferric Chloride Dosing Facility (Impacted by EWN-0314-2)	1	22-Jun-23*	22-Jun-23	14-Jan-23	14-Jan-23	S5FCDC1010	S5FCDC1015	-159
S5FCDC1015	Assume Actual Access Date	1	23-Jun-23*	23-Jun-23	15-Jan-23	15-Jan-23	S5FCDC1012	S5FCDC1020	-159
S5FCDC1020	E&M Installation of Ferric Chloride Storage Tank	45	22-Aug-23	05-Oct-23	16-Jan-23	01-Mar-23	AD1100, S5FCDP1000, S5FCDC1000, S5FCDC1010, S5FCDC1015	S5FCDC1030, S5S1280	-218

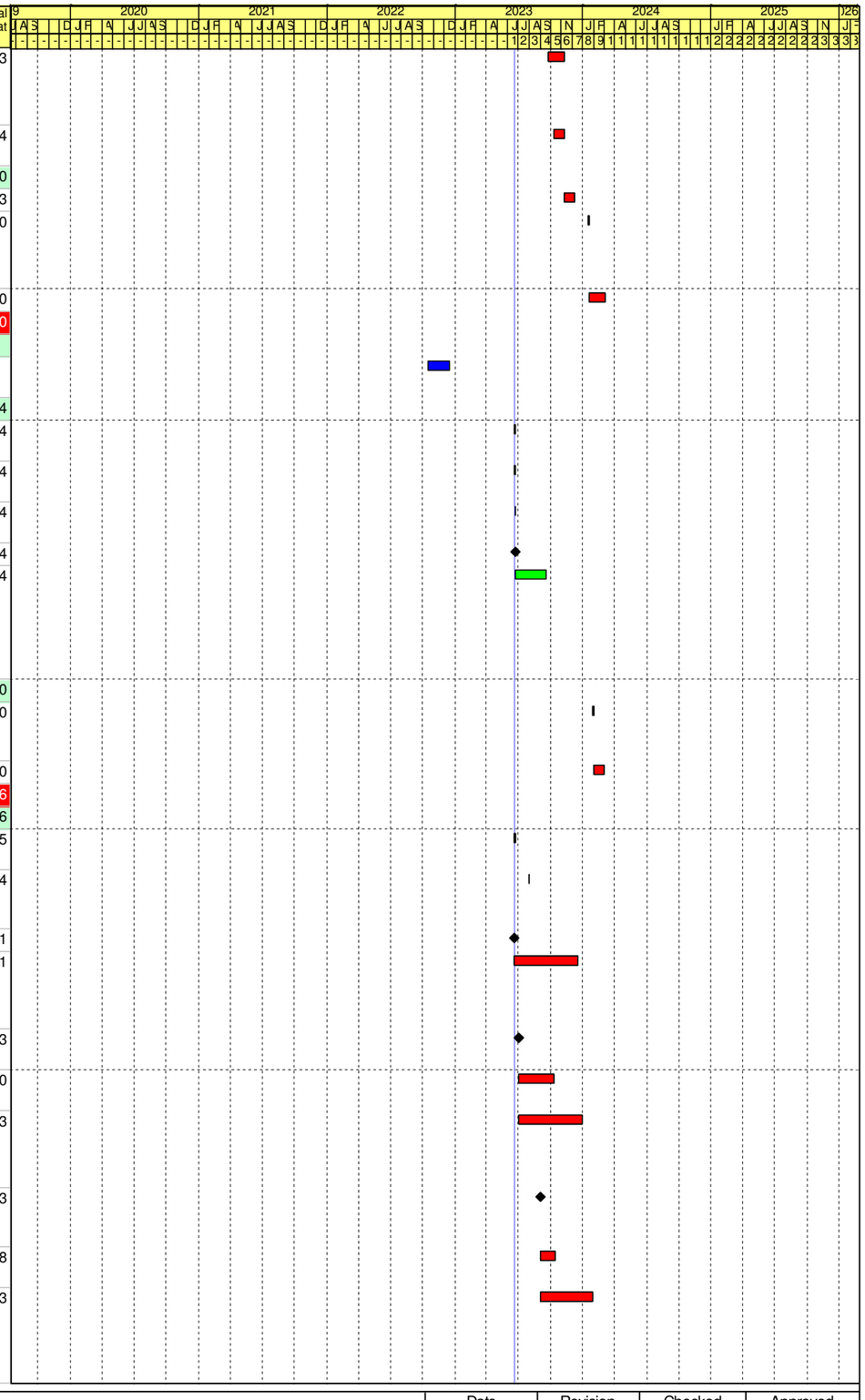


Remaining Work
Critical Activity
Milestone
Actual Progress

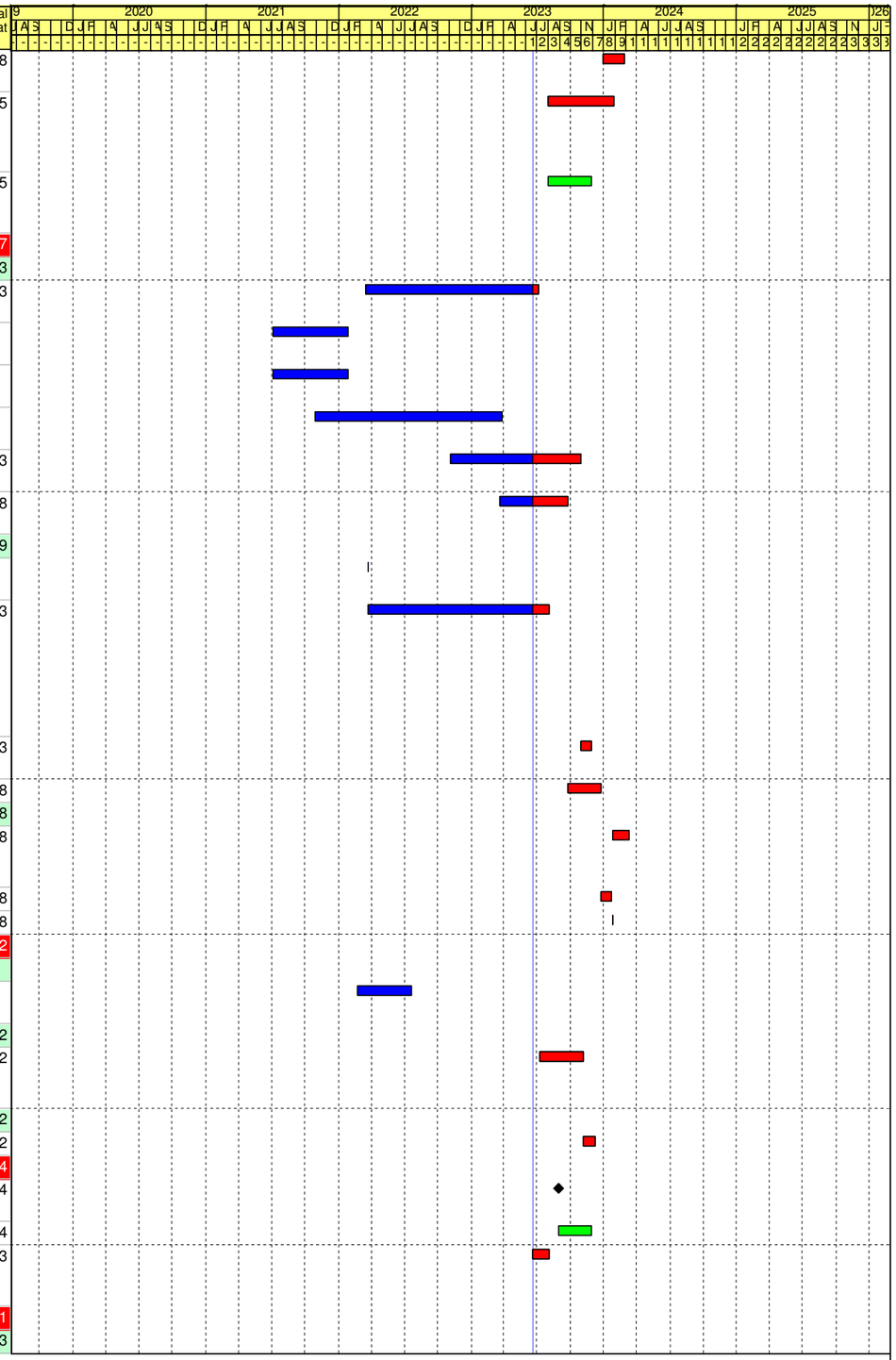
Contract No. DE/2018/03
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
Revised Programme - as at 20 Jun 2023

Date	Revision	Checked	Approved
28-Feb-23	Rev.31	IM/LT	KM
31-Mar-23	Rev.32	IM/LT	KM
30-Apr-23	Rev.33	IM/LT	KM
31-May-23	Rev.34	IM/LT	KM
30-Jun-23	Rev.35	IM/LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Successors	Total Float
S5FCDC1030	E&M Installation of Ferric Chloride Dosing Pump	45	26-Sep-23	09-Nov-23	15-Feb-23	31-Mar-23	AD1100, S5FCDC1020, S5FCDP1010, S5FCDP1020	S5FCDT1000, S5FCDT0990, PL1210, S5FCDP1040	-223
S5FCDP1040	Installation of SCADA System / Control Monitoring System	30	11-Oct-23	09-Nov-23	29-Jul-23	27-Aug-23	S5FCDP1030, S5FCDC1030	S5T1000, S5T1010	-74
Testing and Commissioning		115	10-Nov-23	03-Mar-24	01-Apr-23	17-Jun-23			-260
S5FCDT0990	SAT of Switchboard	30	10-Nov-23	09-Dec-23	01-Apr-23	30-Apr-23	S5FCDC1030	S5FCDT1000	-223
S5FCDT1000	Ready for Power Energisation	3	16-Jan-24	18-Jan-24	01-May-23	03-May-23	S5FCDC1030, S5FCDT0990, S5EXAC1070, S5SDBT1050	S5FCDT1010	-260
S5FCDT1010	SAT & System Commissioning Tests for FeCl3 Dosing Facility	45	19-Jan-24	03-Mar-24	04-May-23	17-Jun-23	S5FCDT1000	S5T1080	-260
Fire Hydrant and Booster Pump Room		437	18-Oct-22 A	01-Mar-24	25-Jul-23	01-Jan-24			-60
Fabrication, FAT & Delivery of Major Plant & Materials		60	18-Oct-22 A	16-Dec-22 A	26-Jul-23	26-Jul-23			
S5SHPP1000	Fabrication & Delivery of Fire Hydrant and Booster Pump	60	18-Oct-22 A	16-Dec-22 A	26-Jul-23	26-Jul-23		S5SHPC1020	
Installation		91	21-Jun-23	19-Sep-23	25-Jul-23	23-Oct-23			34
S5SHPC1000	Access to Fire Hydrant and Booster Pump Room (Impacted by EWN-0314)	1	21-Jun-23*	21-Jun-23	25-Jul-23	25-Jul-23		S5SHPC1020	34
S5SHPC1010	Access to Fire Hydrant and Booster Pump Room (Impacted by EWN-0314-1)	1	21-Jun-23*	21-Jun-23	25-Jul-23	25-Jul-23		S5SHPC1020, S5SHPC1012	34
S5SHPC1012	Access to Fire Hydrant and Booster Pump Room (Impacted by EWN-0314-2)	1	22-Jun-23*	22-Jun-23	26-Jul-23	26-Jul-23	S5SHPC1010	S5SHPC1015	34
S5SHPC1015	Assume Actual Access Date	0	22-Jun-23*		26-Jul-23		S5SHPC1012	S5SHPC1020	34
S5SHPC1020	Fire Hydrant and Booster Pump Room Installation	90	22-Jun-23	19-Sep-23	26-Jul-23	23-Oct-23	S5S1120, AD1100, S5SHPC1000, S5SHPC1010, S5SHPP1000, S5SHPC1015	S5S1130, S5SHPT1000, PL1210	34
Testing and Commissioning		33	29-Jan-24	01-Mar-24	30-Nov-23	01-Jan-24			-60
S5SHPT1000	Ready for Power Energisation	3	29-Jan-24	31-Jan-24	30-Nov-23	02-Dec-23	S5SHPC1020, S5EXAC1080, S5TXRT1010	S5SHPT1010	-60
S5SHPT1010	SAT for Fire Hydrant and Booster Pump	30	01-Feb-24	01-Mar-24	03-Dec-23	01-Jan-24	S5SHPT1000	S5S1220	-60
External Area		252	21-Jun-23	27-Feb-24	02-Nov-22	23-Dec-23			-66
Installation		252	21-Jun-23	27-Feb-24	02-Nov-22	23-Dec-23			-66
S5EXAC1000	Access to Other Peripheral Systems (Impacted by EWN-0314)	1	21-Jun-23*	21-Jun-23	26-Jun-23	26-Jun-23		S5EXAC1100, S5EXAC1110	5
S5EXAC1010	Access to Other Peripheral Systems (Impacted by EWN-0314-1)	1	31-Jul-23*	31-Jul-23	17-Feb-23	17-Feb-23		S5EXAC1100, S5EXAC1110, S5EXAC1030	-164
S5EXAC1020	Access to Stage 1 External Area	0	21-Jun-23*		02-Nov-22			S5EXAC1030	-231
S5EXAC1030	LV Cable Laying from CHP to Sludge Digestor, Workshop no.2 and THP CW transfer PS (120 days) & Termination (60 days)	180	21-Jun-23	17-Dec-23	02-Nov-22	30-Apr-23	S5EXAC1010, S5P1050, S5EXAC1020	S5TCWT1000, S5WS2T1010, S5DIGT1010, PL1210	-231
S5EXAC1040	Access to Stage 2 External Area	0	03-Jul-23*		02-Nov-22			S5EXAC1050, S5EXAC1045	-243
S5EXAC1045	E&M Installation of Pipe Trench No.1, No.2 (Duration assumed no interface work)	100	03-Jul-23	10-Oct-23	23-Feb-23	02-Jun-23	AD1100, S5EXAC1040	S5T1050, PL1210	-130
S5EXAC1050	LV Cable Laying from CHP to BHT, THP, DOU No.12, H2S removal & Guard Hse (120 days) & Termination (60 days)	180	03-Jul-23	29-Dec-23	02-Nov-22	30-Apr-23	S5EXAC1040	S5BIOT1000, S5THPT1000, S5DOUT1010, S5H2ST1000	-243
S5EXAC1060	Access to Stage 3 External Area	0	01-Sep-23*		02-Nov-22			S5EXAC1090, S5EXAC1080, S5EXAC1070	-303
S5EXAC1070	LV Cable Laying from SDB to SPS (20 days) & Termination (25 days)	45	01-Sep-23	15-Oct-23	17-Mar-23	30-Apr-23	S5EXAC1060, S5P1050	S5SPST1000, S5FCDT1000	-168
S5EXAC1080	LV Cable Laying from TX & SW Room to DOU no. 11, Street Hydrant Pump room and PSWS (90 days) & Termination (60 days)	150	01-Sep-23	28-Jan-24	02-Nov-22	31-Mar-23	S5P1050, S5EXAC1060, S5TXRC1040	S5SHPT1000, S5DOUT1000, S5PSWT1000, PL1210, S5EXAC1090	-303



Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Successors	Total Float
S5EXAC1090	LV Cable Laying from CHP to FeCl3 Dosing Facility and Waste Gas Burning System (30 days) & Termination (30 days)	60	30-Dec-23	27-Feb-24	16-May-23	14-Jul-23	S5EXAC1060, S5EXAC1080	S5WGBT1000	-228
S5EXAC1100	Road Lighting Installation	180	01-Aug-23	27-Jan-24	27-Jun-23	23-Dec-23	AD1100, S5EXAC1000, S5EXAC1010, S5P1050	S5S1220, PL1210	-35
S5EXAC1110	Landscape Lighting Installation	120	01-Aug-23*	28-Nov-23	26-Aug-23	23-Dec-23	S5EXAC1000, S5EXAC1010, S5P1050	S5S1220, PL1210	25
SAS Pumping Station		903	04-Jul-21 A	11-Mar-24	26-Sep-22	27-Aug-23			-197
Fabrication, FAT & Delivery of Major Plant & Materials		826	04-Jul-21 A	29-Oct-23	26-Sep-22	28-Jul-23			-93
S5SASP1000	Fabrication & Delivery of SAS Pumping System	120	16-Mar-22 A	05-Jul-23	19-Apr-23	03-May-23	S2P1100, S2D1770	S5SASC1010	-63
S5SASP1010	Fabrication & Delivery of Stoplog	270	04-Jul-21 A	27-Jan-22 A	03-May-23	03-May-23	S2P1160	S5SASC1010	
S5SASP1020	Fabrication & Delivery of Penstock	270	04-Jul-21 A	27-Jan-22 A	03-May-23	03-May-23	S2P1170	S5SASC1010	
S5SASP1030	Fabrication & Delivery of Lifting Appliances	309	30-Oct-21 A	28-Mar-23 A	03-May-23	03-May-23		S5SASC1010	
S5SASP1040	Delivery of Control & Monitoring System / SCADA System	360	04-Nov-22 A	29-Oct-23	20-Mar-23	28-Jul-23		S5SASC1020	-93
S5SASP1050	Fabrication & Delivery of LV Switchboard	188	22-Mar-23 A	25-Sep-23	26-Sep-22	31-Dec-22		S5SASC1030	-268
Installation		552	23-Mar-22 A	24-Dec-23	01-Jan-23	27-Aug-23			-119
S5SASC1000	Access to SAS Pumping Station (Impacted by NCE-NCE-219)	1	23-Mar-22 A	23-Mar-22 A	20-Mar-23	20-Mar-23	AD1160	S5SASC1010	
S5SASC1010	E&M Installation of SAS Pumping System	465	23-Mar-22 A	04-Aug-23	20-Mar-23	03-May-23	AD1160, S5SASP1000, CE0219b, S5SASP1010, S5SASP1020, S5SASC1000, S5SASP1030	S5SAST1000, PL1210, S5SASC1020	-93
S5SASC1020	Installation of SCADA System / Control Monitoring System	30	30-Oct-23	28-Nov-23	29-Jul-23	27-Aug-23	S5SASP1040, S5SASC1010	S5T1000, S5T1010	-93
S5SASC1030	LV Switchboard Installation	90	26-Sep-23	24-Dec-23	01-Jan-23	31-Mar-23	S5SASP1050	S5SAST1010	-268
Testing and Commissioning		78	25-Dec-23	11-Mar-24	01-Apr-23	17-Jun-23			-268
S5SAST1000	SAT & System Commissioning Tests for SAS Pumping Station	45	27-Jan-24	11-Mar-24	04-May-23	17-Jun-23	S5SASC1010, S5SAST1020	S5T1110, S5T1120, S5T1060	-268
S5SAST1010	SAT of Switchboard	30	25-Dec-23	23-Jan-24	01-Apr-23	30-Apr-23	S5SASC1030	S5SAST1020	-268
S5SAST1020	Ready for Power Energisation	3	24-Jan-24	26-Jan-24	01-May-23	03-May-23	S5SAST1010	S5SAST1000	-268
Existing Consolidation House		289	21-Feb-22 A	06-Dec-23	20-Dec-22	18-May-23			-202
Fabrication, FAT & Delivery of Major Plant & Materials		150	21-Feb-22 A	20-Jul-22 A	20-Dec-22	20-Dec-22			
S5ECHP1000	Fabrication & Delivery of Temporary Primary Sludge Pump	150	21-Feb-22 A	20-Jul-22 A	20-Dec-22	20-Dec-22	S2P1220, S2D1990	S5ECHC1000	
Installation		120	10-Jul-23	06-Nov-23	20-Dec-22	18-Apr-23			-202
S5ECHC1000	E&M Installation of Existing Consolidation House	120	10-Jul-23*	06-Nov-23	20-Dec-22	18-Apr-23	CE0219d, S5ECHP1000	S5T1060, S5ECHT1000, PL1210	-202
Testing and Commissioning		30	07-Nov-23	06-Dec-23	19-Apr-23	18-May-23			-202
S5ECHT1000	SAT for Temporary Primary Sludge Pump	30	07-Nov-23	06-Dec-23	19-Apr-23	18-May-23	S5ECHC1000	S5T1060	-202
Miscellaneous		161	21-Jun-23	28-Nov-23	18-Feb-23	01-Jan-24			34
S5MISC1000	Access to Other Peripheral Systems - Guard House Only (Impacted by EWN-0314-2)	0	31-Aug-23*		04-Oct-23			S5MISC1010	34
S5MISC1010	E&M Installation - Guard House	90	31-Aug-23	28-Nov-23	04-Oct-23	01-Jan-24	S5MISC1000	S5S1220	34
S5UVPC1000	E&M Installation of Lift-up Pumps & Associated Pipeworks / Valves	45	21-Jun-23*	04-Aug-23	18-Feb-23	03-Apr-23	S4C1030, S4P1080, S4T1020	S5PSWT1010, PL1210	-123
Testing & Commissioning		427	17-Feb-24	18-Apr-25	19-May-23	22-May-24			-331
T&C of Control Monitoring System		180	17-Feb-24	14-Aug-24	28-Aug-23	23-Feb-24			-173



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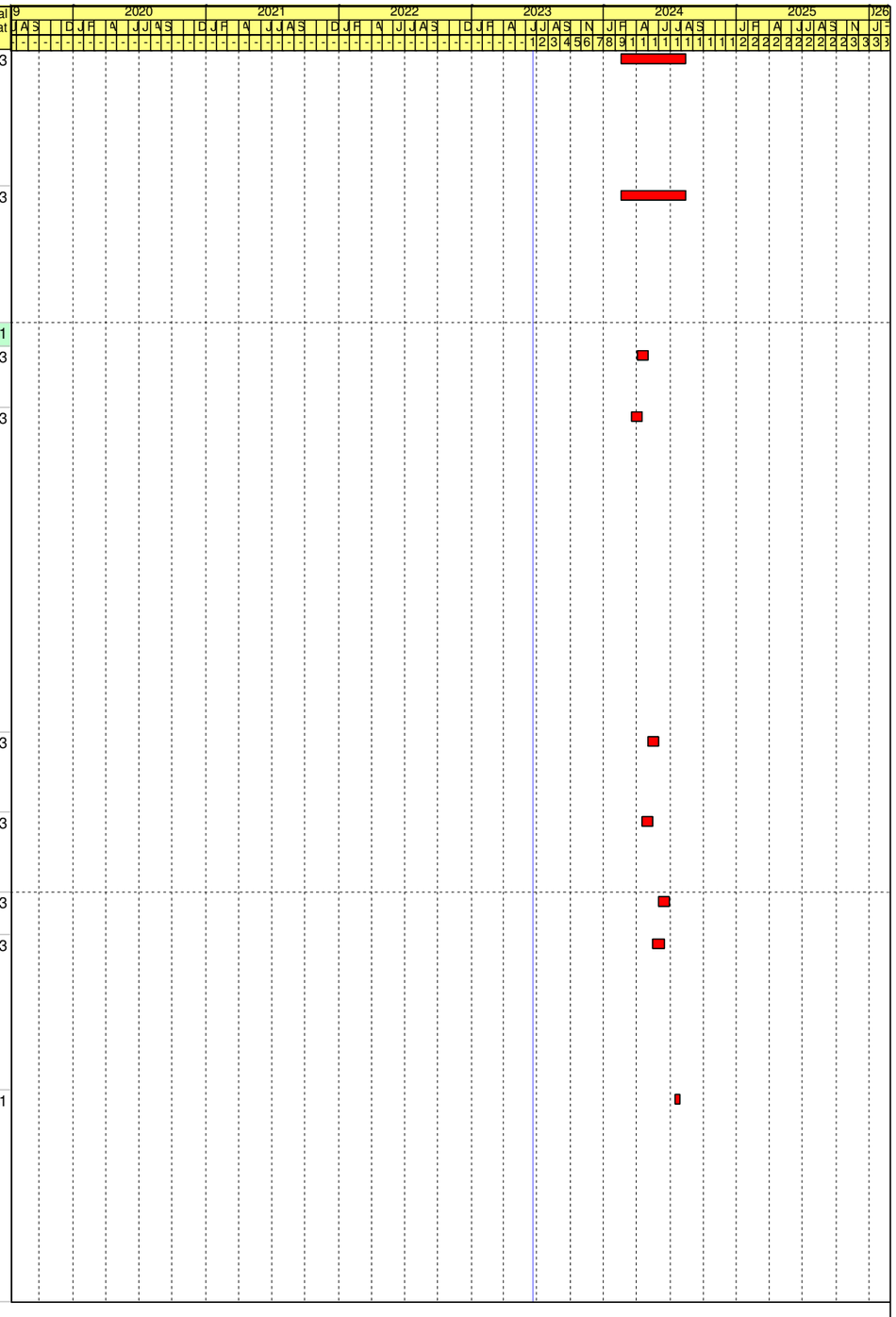
30-Jun-23	Rev.35	IM/LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Successors	Total Float
S5T1000	SAT of SCADA System	180	17-Feb-24	14-Aug-24	28-Aug-23	23-Feb-24	S5WS2C1180, S5CHPC1120, S5CHPC1250, S5TXRC1050, S5SPSC1010, S5FCDP1040, S5SASC1020	SC51110, S5T1140	-173
S5T1010	SAT of PMS	180	17-Feb-24	14-Aug-24	28-Aug-23	23-Feb-24	S5WS2C1180, S5CHPC1120, S5CHPC1250, S5TXRC1050, S5SPSC1010, S5FCDP1040, S5SASC1020	SC51110, S5T1140	-173
T&C of E&M Process		398	17-Mar-24	18-Apr-25	19-May-23	22-May-24			-331
S5T1050	System Commissioning Tests for THP System	30	01-Apr-24	30-Apr-24	03-Jun-23	02-Jul-23	S5THPT1010, S5EXAC1045, S5T1060	S5T1120, S5T1080, S5T1110	-303
S5T1060	System Commissioning Tests for Sludge Dewatering System	30	17-Mar-24	15-Apr-24	19-May-23	17-Jun-23	S5ECHC1000, S5SPST1010, S5SAST1000, S5ECHT1000, S5SDBT1200, S5SDBT1100, S5SDBT1090, S5SDBT1160, S5SDBT1170, S5SDBT1080, S5SDBT1010, S5SDBT1210, S5SDBT1060, S5SDBT1040, S5SDBC1300, S5SDBC1210, S5PSWT1010	S5T1120, S5T1110, PL1520, S5T1050	-303
S5T1070	System Commissioning Tests for Biogas Storage System	30	01-May-24	30-May-24	03-Jul-23	01-Aug-23	S5BIOT1010, S5T1080	S5T1120, S5T1110, S5S1070, S5T1100	-303
S5T1080	System Commissioning Tests for Sludge Digestion System	30	16-Apr-24	15-May-24	18-Jun-23	17-Jul-23	S5DIGT1020, S5T1050, S5H2ST1010, S5FCDT1010	S5T1120, S5T1110, S5T1070	-303
S5T1090	System Commissioning Tests for Gas Burning System	30	31-May-24	29-Jun-24	02-Aug-23	31-Aug-23	S5WGBT1010, S5T1100	S5T1120, S5T1110	-303
S5T1100	System Commissioning Tests for CHP System	30	16-May-24	14-Jun-24	18-Jul-23	16-Aug-23	S5CHPT1030, S5S1310, S5CHPC1120, S5CHPT1000, S5CHPC1250, S5CHPT1040, S5CHPT1050, S5T1070	S5T1120, S5T1110, PL1560, S5T1090	-303
S5T1110	Seeding	14	14-Jul-24	27-Jul-24	18-Aug-23	31-Aug-23	S5T1090, S5T1070, S5T1080, S5T1100, S5T1060, S5T1050, S5SAST1000, S5TCWT1010, S5DOUT1020, S5DOUT1030, S5H2ST1010	S5T1120	-331



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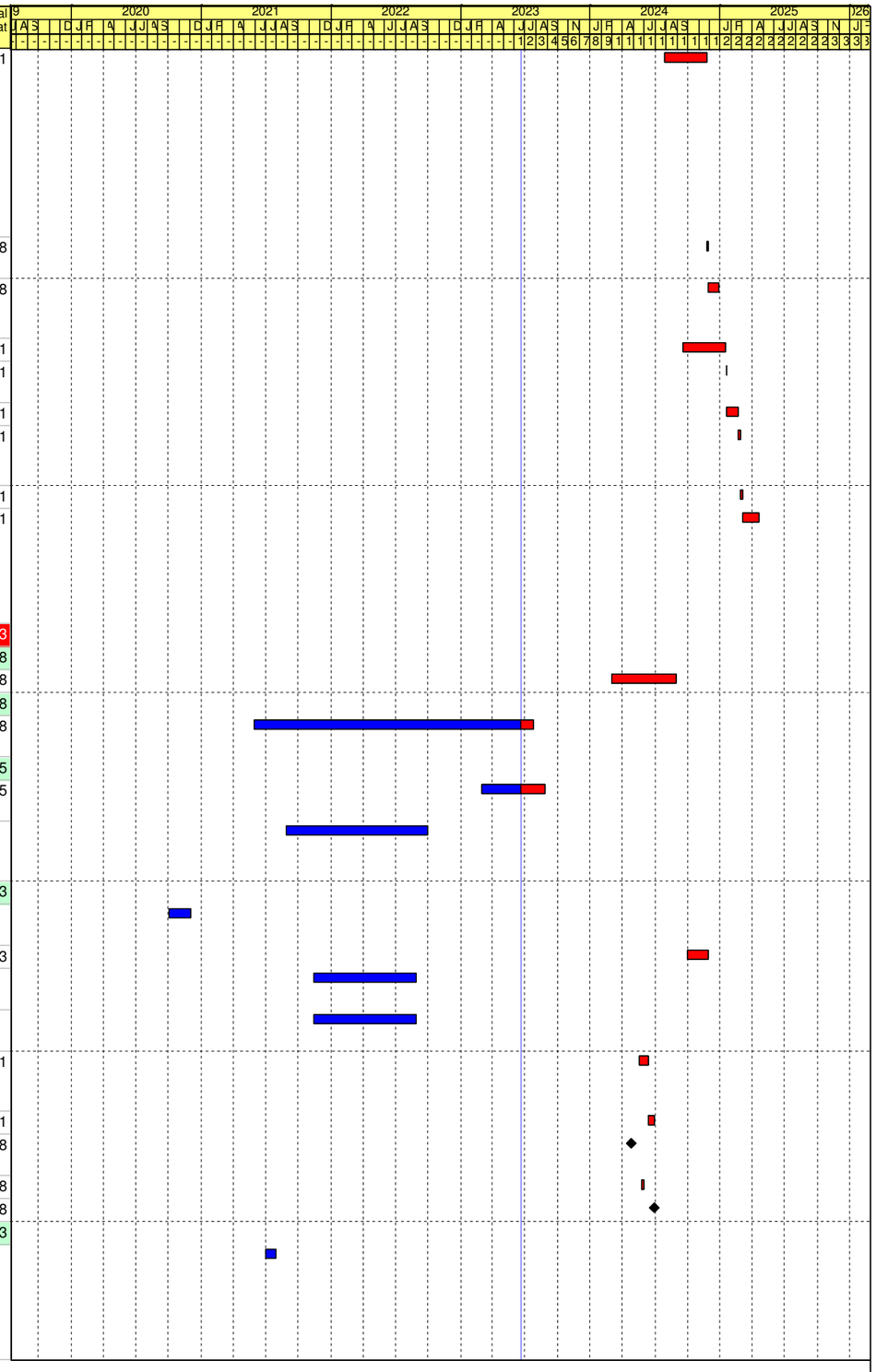
30-Jun-23	Rev.35	IM/LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Successors	Total Float
S5T1120	Process Start Up - Digester 1	120	28-Jul-24	24-Nov-24	01-Sep-23	29-Dec-23	S5T1090, S5T1070, S5T1080, S5T1100, S5T1060, S5T1050, S5T1110, S5S1080, S5TXRC1050, S5SAST1000	S5T1150, S5T1130, S3T1340	-331
S5T1130	Notice to Commence Phase 1 System Commissioning - Digester 1	3	25-Nov-24	27-Nov-24	21-Feb-24	23-Feb-24	S5T1120	S5T1140	-278
S5T1140	Phase 1 System Commissioning - Digester 1	30	28-Nov-24	27-Dec-24	24-Feb-24	24-Mar-24	S5T1130, S5T1000, S5T1010	S5T1180	-278
S5T1150	Process Start Up - Digester 2	120	19-Sep-24	16-Jan-25	24-Oct-23	20-Feb-24	S5T1120	S5T1160	-331
S5T1160	Notice to Commence Phase 1 System Commissioning - Digester 2	3	17-Jan-25	19-Jan-25	21-Feb-24	23-Feb-24	S5T1150	S5T1170	-331
S5T1170	Phase 1 System Commissioning - Digester 2	30	20-Jan-25	18-Feb-25	24-Feb-24	24-Mar-24	S5T1160	S5T1180	-331
S5T1180	Phase 2 System Commissioning - Digester 1 & 2	7	19-Feb-25	25-Feb-25	25-Mar-24	31-Mar-24	S5T1170, S5T1140	S5T1190, PL1310, S3T1360	-331
S5T1190	Notice to Commence Plant Commissioning	7	26-Feb-25	04-Mar-25	01-Apr-24	07-Apr-24	S5T1180	S5T1200	-331
S5T1200	Plant Commissioning Tests	45	05-Mar-25	18-Apr-25	08-Apr-24	22-May-24	S5T1190, S5S1020, S5TXRC1050, S5WS2C1180, S5S1150, S3T1320	SC51110	-331
Statutory Submission / Inspection		1300	03-Oct-20 A	27-Nov-24	29-Sep-22	17-Jun-24			-163
HKT Submission		180	02-Mar-24	28-Aug-24	25-Nov-23	22-May-24			-98
S5S0990	Application of Telemetry Lines for Workshop No. 2.	180	02-Mar-24	28-Aug-24	25-Nov-23	22-May-24	S5WS2C1180	SC51110	-98
CLP Submission		275	30-May-21 A	26-Jul-23	25-Nov-22	30-Dec-22			-208
S5S1000	Submission & Approval of Electrical Schematic Wiring Diagram to CLP	275	30-May-21 A	26-Jul-23	25-Nov-22	30-Dec-22		S5WS2C1040	-208
EPD Submission / Inspection		781	28-Aug-21 A	27-Aug-23	29-Sep-22	05-Dec-22			-265
S5S1010	EPD Submission & Approval for Air Pollution Control - Genset	180	01-Mar-23 A	27-Aug-23	29-Sep-22	05-Dec-22	S2D1860	S5SDBC1770	-265
S5S1020	EPD Submission & Approval for Air Pollution Control - CHP & Burner	180	28-Aug-21 A	29-Sep-22 A	04-Nov-22	04-Nov-22	S2D1610	S5T1200, S5THPC1020, S5CHPC1020	
EMSD Submission / Inspection		1300	03-Oct-20 A	27-Nov-24	02-Oct-22	17-Jun-24			-163
S5S1030	BEEO Stage one: Submit EE1 & EE-SU to EMSD	60	03-Oct-20 A	02-Dec-20 A	02-Oct-22	02-Oct-22	S2D1890	S5WS2C1000	
S5S1040	BEEO Stage two: Submit EE2 & EE-SU to EMSD	60	29-Sep-24	27-Nov-24	19-Apr-24	17-Jun-24	S5S1250	SC51120	-163
S5S1050	Application & Approval of the Zone Classification of Hazardous Area - including Fire Risk Assessment Report	180	15-Nov-21 A	30-Aug-22 A	03-Nov-22	03-Nov-22	S2D1070	S5S1070, S5S1060	
S5S1060	Application for Construction Approval of Notifiable Gas Installation (Form 104)	180	15-Nov-21 A	30-Aug-22 A	03-Nov-22	03-Nov-22	S2D1070, S5S1050	S5S1070, S5BIOC1020	
S5S1070	Application for Approval of Use of Notifiable Gas Installation (Form 105)	28	17-May-24	13-Jun-24	21-Jul-23	17-Aug-23	S5S1060, S5T1070, S5S1050	S5S1080	-301
S5S1080	EMSD Inspection - Gas Holding Tanks	14	14-Jun-24	27-Jun-24	18-Aug-23	31-Aug-23	S5S1070	S5T1120	-301
S5S1090	Form 5 Submission to EMSD - Lift Installation	0	24-Apr-24		17-Mar-24		S5WS2T1020, S5SDBT1070	S5S1100	-38
S5S1100	EMSD Inspection - Lift Installation	7	24-May-24	30-May-24	16-Apr-24	22-Apr-24	S5S1090	S5S1110	-38
S5S1110	Issuance of Form 6 - Lift Installation	0		29-Jun-24		22-May-24	S5S1100	SC51110	-38
WSD Submission / Inspection		1070	01-Jul-21 A	04-Jun-24	26-Jul-23	22-May-24			-13
S5S1120	Submit WWO46 Part I / II to WSD (FS/PD)	30	01-Jul-21 A	30-Jul-21 A	26-Jul-23	26-Jul-23	S2D1910, S2D1860, S2D1870, S2D1880, S2D1890, S2D1900	S5S1130, S5WS2C1140, S5SHPC1020, S5DIGC1300, S5WS2C1170	



Remaining Work
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Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities
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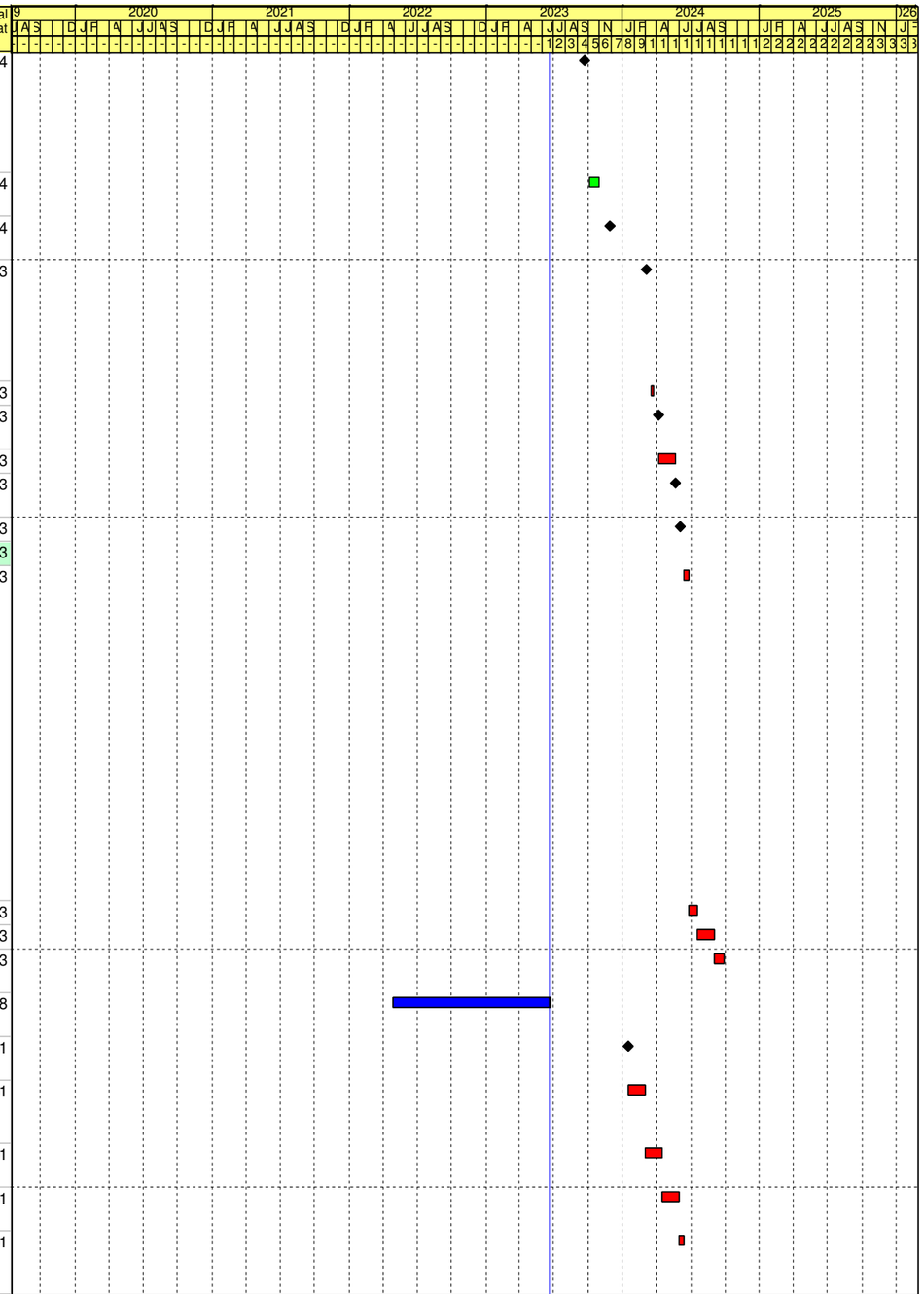
30-Jun-23	Rev.35	IM/LT	KM

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Predecessors	Successors	Total Float
S5S1130	Submit WWO46 Part IV to WSD (FS)	0	20-Sep-23		24-Oct-23		S5S1120, S5WS2C1140, S5SHPC1020, S5SDBC1800, S5SDBC1690, S5SDBC1600	S5S1140, S5S1150	34
S5S1140	WSD Inspection (FS)	28	04-Oct-23	31-Oct-23	07-Nov-23	04-Dec-23	S5S1130	S5S1250, S5S1150	34
S5S1150	Issuance of FS Water Certificate	0		28-Nov-23		01-Jan-24	S5S1130, S5S1140	S5T1200, S5S1220	34
S5S1160	Submit WWO46 Part IV to WSD (PD)	0	03-Mar-24		19-Feb-24		S5SPSC1020, S5CHPC1240, S5CHPC1110, S5DIGC1300, S5WS2C1170, S5SDBT1190	S5S1170	-13
S5S1170	WSD Inspection	7	17-Mar-24	23-Mar-24	04-Mar-24	10-Mar-24	S5S1160	S5S1180	-13
S5S1180	Issuance of Form WWO46 Part Va	0		06-Apr-24		24-Mar-24	S5S1170	S5S1200, S5S1190	-13
S5S1190	System Flushing / Sampling	45	07-Apr-24	21-May-24	25-Mar-24	08-May-24	S5S1180	S5S1200	-13
S5S1200	Issuance of Form WWO46 Part Vb	0		21-May-24		08-May-24	S5S1180, S5S1190	S5S1210	-13
S5S1210	Issuance of Water Certificate	0		04-Jun-24		22-May-24	S5S1200	SC51110	-13
FSD Submission / Inspection		456	29-Apr-22 A	28-Sep-24	05-Dec-22	18-Apr-24			-163
S5S1220	Prepare & Submit FSI/314 & FSI/501	14	13-Jun-24	26-Jun-24	02-Jan-24	15-Jan-24	S5WS2C1150, S5S1310, S5S1150, S5EXAC1100, S5EXAC1110, S5CHPC1080, S5CHPC1090, S5CHPC1210, S5CHPC1220, S5DIGC1280, S5DIGC1290, S5SHPT1010, S5SDBT1020, S5SDBT1150, S5SDBT1180, S5SDBT1130, S5MISC1010	S5S1230	-163
S5S1230	FSD Review & Approval of FSI/314 & FSI/501	21	27-Jun-24	17-Jul-24	16-Jan-24	05-Feb-24	S5S1220	S5S1240	-163
S5S1240	F.S. Inspection, Defects Rectification & Re-inspection	45	18-Jul-24	31-Aug-24	06-Feb-24	21-Mar-24	S5S1230	S5S1250	-163
S5S1250	Issuance of Acceptance Letter	28	01-Sep-24	28-Sep-24	22-Mar-24	18-Apr-24	S5S1240, S5S1140	SC51110, S5S1040	-163
S5S1260	Submission & Approval of DG Application to FSD	180	29-Apr-22 A	21-Jun-23	05-Dec-22	05-Dec-22		S5S1270, S5SDBC1770	-198
S5S1270	Application of D.G. Licence	0	16-Jan-24		21-Mar-23		S5SDBT1140, S5S1260	S5S1280	-301
S5S1280	Apply for D.G. Inspection	45	16-Jan-24	29-Feb-24	21-Mar-23	04-May-23	S5CHPC1150, S5FCDC1020, S5S1270	S5S1310, S5S1290	-301
S5S1290	D.G. Inspection, Defects Rectification & Re-inspection (Ventilation Division)	45	01-Mar-24	14-Apr-24	05-May-23	18-Jun-23	S5S1280	S5S1310, S5S1300	-301
S5S1300	D.G. Inspection, Defects Rectification & Re-inspection (DG Division)	45	15-Apr-24	29-May-24	19-Jun-23	02-Aug-23	S5S1290	S5S1310	-301
S5S1310	Issue D.G. Licence	14	30-May-24	12-Jun-24	03-Aug-23	16-Aug-23	S5S1290, S5S1300, S5S1280	S5S1220, S5T1100	-301



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Contract No. DE/2018/04
Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1
- E&M Works for Sewage Treatment Facilities
3 Month Rolling Programme (From 01/05/2023 to 01/08/2023)

Updated on: **22-Jun-23**

Item	Major Activities & Submission in coming 3 months	Time					Progress (E&M contract)				Action	Remarks / Status
		Contract Planned Commencement Date	Anticipated / Actual Commencement Date	Contract Planned Finish Date	Anticipated / Actual Finish Date	% of time elapsed based on "updated date")	Unit	Total Quantity	Completed Quantity	Actual Progress %		
Drawing Submisssion for Key Dates												
KD1A: Submission of civil and dimensional requirement drawing, electrical schematic drawings, etc. from formation level up to +8mPD in accordance with the contract requirement of Contract No. DC/2018/07 to carry out civil works construction	KD1A: Submission of Civil Requirement Drawing (Final)	28/8/2020	18/9/2020	5/11/2020	5/11/2020	Task Completed	no.	26	26	100%		
	KD1A: Submission of Electrical Schematic Drawing (Final)	15/7/2020	15/7/2020	5/11/2020	5/11/2020	Task Completed	no.	11	11	100%		
	KD1A: 6 November 2020											
KD1B: Submission of remaining civil and dimenssional requirement drawings, electrical schematic drawing, etc. in accordance with the contract requirement of Contract No. DC/2018/07 to carry out civil works construction	KD1B: Submission of Civil Requirement Drawing (First Draft)	30/9/2020	28/9/2020	30/12/2020	31/3/2021	Task Completed	no.	47	47	100%		
	KD1B: Submission of Civil Requirement Drawing (Final)	6/11/2020	5/11/2020	4/6/2021	4/6/2021	Task Completed	no.	47	47	100%		All the CWR Drawings were submitted.
	KD1B: 4 June 2021											
KD3A: 04SC010 - Dismantle & Removal of Emergency Generators in existing Power House	Submission of subletting package for acceptance (C9)	1/3/2020	24/2/2020	14/3/2020	22/4/2020	Task Completed				100%	-	Bestwise resubmitted on 22 April 2020
	Acceptance of subletting package (C9)	14/3/2020	6/5/2020	1/4/2020	5/5/2020	Task Completed				100%	-	AECOM accepted subletting package on 5 May 2020
	Tender invitation (C9)	1/4/2020	15/5/2020	15/4/2020	22/5/2020	Task Completed				100%	-	Invitation to tender was commenced on 12 May 2020 and tender returned on 22 May 2020
	Tender award (C9)	15/4/2020	22/5/2020	29/4/2020	26/5/2020	Task Completed				100%	-	Bestwise submitted tender report on 26 May 2020
	Acceptance of tender award (C9)	-	-	-	6/6/2020	Task Completed				100%	-	AECOM accepted tender report on 2 June 2020, Letter of Acceptance was issued on 6 June
	Dismantle of existing BS equipment		15/6/2020		25/7/2020	Task Completed				100%		
	Removal of emergency generators	1/6/2020	15/6/2020	30/6/2020	25/7/2020	Task Completed				100%		
KD3A: 04SC010 - Dismantle & Removal of Emergency Generators in existing Power House	KD3A: Testing and Comissioning	1/7/2020	3/7/2020	29/7/2020	29/7/2020	Task Completed				100%		First test was conducted on 3 July 2020. Remaining test would be subjected to completion of civil works. KD3A - 29 July 2020. Joint Site Inspection was conducted on 24 July 2020 and Notice of completion of work was submitted on 28 July 2020
	KD3A: 29 July 2020											
	Submission of onsite survey plan on E&M aspects for	1/3/2020	25/3/2020	30/3/2020	27/4/2020	Task Completed				100%	-	Bestwise resubmitted onsite survey plan on 27 April 2020
	Acceptance of submission of onsite survey plan	1/3/2020	25/3/2020	30/3/2020	22/5/2020	Task Completed				100%	-	AECOM accepted the onsite survey plan on 22 May 2020. Onsite coordination with ST1
KD3B: 6B.2.15 Operation Restoration of Existing Primary Sedimentation Tank (PST) No. 4 and 6	KD3B: Submission of onsite survey report	11/7/2020	20/7/2020	16/7/2020	30/7/2021	Task Completed				100%	Bestwise	- Onsite survey conducted from 20 July 2020 to 22 July 2020. Bestwise submitted survey report on 5 August 2020. AECOM commented on 19 Aug 2020. Bestwise to resubmit upon conducting the remaining onsite survey. (Done) - Bestwise revised survey plan for remaining onsite checking of PST No. 6 on 1 Sep 2020. After discussion with plant operator, the remaining survey would be conducted after the dismantling work of PSTs. Formal survey record for PST No.4 was submitted on 24 May 2021. - Remaining survey (level of bridge & scraper) for PST 6 completed. - Formal survey report shall be submitted on 30 Jul 2021.
	KD3B: Acceptancce of onsite survey report	17/7/2020	6/8/2020	23/7/2020	6/8/2021	Task Completed				-		Acceptance for the center point, vertical and horizontal alignment of ductfoot installation of PST No.4 shall subject to joint site meeting conducted on 2 June 2021. Refer to E-RISC no. 000014A & 000016 result for details.
	KD3B: Preparation of procurement package (C11)	2/12/2019	1/8/2020	13/4/2020	7/8/2020	Task Completed				100%		
	KD3B: Tender invitation - Clarifier (C11)	2/12/2019	14/8/2020	13/4/2020	26/8/2020	Task Completed				100%		
	KD3B: Tender Award - Clarifier (C11)	2/12/2019	26/8/2020	13/4/2020	25/9/2020	Task Completed				100%		
	KD3B: Acceptance of tender award (C11)	2/12/2019	11/9/2020	13/4/2020	18/9/2020	Task Completed				-		
	KD3B: Tender invitation - DI Pipe (C11)	2/12/2019	13/1/2021	13/4/2020	19/1/2021	Task Completed				100%		
	KD3B: Tender Award - DI Pipe (C11)	2/12/2019	21/1/2021	13/4/2020	23/1/2021	Task Completed				100%		
	KD3B: Tender invitation - LCP (C11)	2/12/2019	3/2/2021	13/4/2020	5/2/2021	Task Completed						
	KD3B: Tender Award - LCP (C11)	2/12/2019	6/2/2021	13/4/2020	8/2/2021	Task Completed				100%		
	KD3B: Preparation of subletting package for dismantling work (C9)	2/12/2019	21/9/2020	13/4/2020	21/10/2020	Task Completed				100%		
	KD3B: Tender invitation for dismantling work (C9)	2/12/2019	12/11/2020	13/4/2020	19/11/2020	Task Completed				100%		
	KD3B: Tender Award for dismantling work (C9)	2/12/2019	20/11/2020	13/4/2020	22/11/2020	Task Completed				100%		
	KD3B: Acceptance of tender award for dismantling work (C9)	2/12/2019	23/11/2020	13/4/2020	1/12/2020	Task Completed				100%		

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		Contract Planned Commencement Date	Anticipated / Actual Commencement Date	Contract Planned Finish Date	Anticipated / Actual Finish Date	% of time elapsed based on "updated date")	Unit	Total Quantity	Completed Quantity	Actual Progress %		
	KD3B: Preparation and Acceptance of subletting package for installation work (C9)	2/12/2019	15/12/2020	13/4/2020	1/3/2021	Task Completed				100%		
	KD3B: Tender invitation for installation work (C9)	2/12/2019	3/3/2021	13/4/2020	10/3/2021	Task Completed				100%		
	KD3B: Tender Award for installation work (C9)	2/12/2019	12/3/2021	13/4/2020	15/3/2021	Task Completed				100%		
	KD3B: Acceptance of tender award for installation work (C9)	2/12/2019	15/3/2021	13/4/2020	19/3/2021	Task Completed				100%		
	Submission and Acceptance of Drawing Submission	14/4/2020	5/8/2020	10/9/2020	11/1/2021	Task Completed				100%		
	Submission and Acceptance of P&M Submission	14/4/2020	5/8/2020	10/9/2020	30/6/2021	Task Completed						Formal resubmission of P&M for Rotating Bridge Scraper P&M-0024 (Rev.1) was submitted to AECOM on 24 June 2021 and is accepted by AECOM. P&M submission for Local Control Panel Rev.3 was submitted on 20 Mar 2021 and AECOM accepted on 26 Mar 2021.
	Submission and Acceptance of FAT Plan	1/12/2020	27/1/2021	15/12/2020	16/2/2021	Task Completed				100%		
	Submission and Acceptance of SAT Plan	1/3/2021	1/3/2021	1/4/2021	5/5/2021	Task Completed				100%		Bestwise submitted on 13 Apr 2021. AECOM accepted with comments on 5 May 2021.
	Submission and Acceptance of Design Submission (Support to DN700 Feed Pipe)	N/A	22/2/2021	N/A	13/5/2021	Task Completed						Advanced Calculation was provided on 17 Mar 2021 and revised on 18 Mar 2021. Bestwise proposed to use the existing support. Calculation was provided on 1 Apr 2021 via email. Dimension of support column was checked again on 14 Apr 2021. Proposal submitted on 30 Apr 2021. AECOM accepted with comments on 13 May 2021.
	Submission and Acceptance of Design Submission (Stainless steel support to FRP Cover of Effluent	N/A	24/2/2021	N/A	19/4/2021	Task Completed				100%		Advanced Calculation was provided on 17 Mar 2021 and revised on 18 Mar 2021. Bestwise formal submitted on 26 Mar 2021. AECOM accepted with comment on 19 Apr 2021.
	KD3B: Dismantle and Removal of E&M Equipment at PST No. 6	9/2/2021	21/12/2020	19/2/2021	15/1/2021	Task Completed				100%		
	Flow Diversion and drain out PST No.4	N/A	25/1/2021	N/A	26/3/2021	Task Completed				100%		
	KD3B: Dismantle and Removal of E&M Equipment at PST No. 4	9/2/2021	5/3/2021	19/2/2021	1/4/2021	Task Completed				100%		
	KD3B: Material Manufacturing (Clarifier)	12/9/2020	16/12/2020	12/12/2020	20/2/2021	Task Completed				100%		The clarifier would be manufactured in 2 batches (rotating bridge related and FRP launder cover). Manufaturing instruction was issued on 16 Dec 2020. Jash suggested 1st batch of material (clarifier) would be ready for shipping on 20 Feb 2021 and 2nd batch of material (FRP Launder Cover) would be ready for shipping on 13 Mar 2021. (To be confirmed by Jash by providing shipment booking, but supplier cannot provide updated information at thie moment due to second surge of COVID-19 in india)
	KD3B: FAT of the Clarifier	N/A	24/2/2021	N/A	1/3/2021	Task Completed				100%		FAT Report submitted on 24 Feb 2021 and AECOM accepted subject to comment on 1 Mar 2021
	KD3B: Material Delivery (Clarifier)	13/12/2020	27/2/2021	18/1/2021	6/4/2021	Task Completed				100%		
	KD3B: Material Deliver to Site (Clarifier)	N/A	6/4/2021	N/A	8/4/2021	Task Completed				100%		
	KD3B: Material Manufacturing (DI pipes and fittings)	11/9/2020	26/1/2021	18/1/2021	15/3/2021	Task Completed				100%		Extracted from C9 package to C11 package to suit the installation programme
	KD3B: Material Delivery (DI pipes and fittings)	11/9/2020	16/3/2021	18/1/2021	24/3/2021	Task Completed				100%		
	KD3B: Material Delivery (FRP Cover)	N/A	26/3/2021	N/A	21/6/2021	Task Completed				100%		All the FRP covers were delivered to site.
	KD3B: Material Manufacturing (LCP)	11/9/2020	4/3/2021	18/1/2021	16/4/2021	Task Completed				100%		
	KD3B: Material Delivery (LCP)	11/9/2020	17/4/2021	18/1/2021	30/4/2021	Task Completed				100%		
	KD3B: Retrofitting Concrete Structure of PST No. 4	N/A	2/4/2021	N/A	22/4/2021	Task Completed				100%		
	KD3B: Installation of E&M Equipment at PST No. 4	27/2/2021	5/4/2021	10/5/2021	17/5/2021	Task Completed						
	KD3B: Testing and Comisssioning for PST No. 4	11/5/2021	19/4/2021	9/6/2021	26/7/2021	Task Completed						Wet test for PST 4 completed on 26 July 2021.
	Flow Diversion from PST No.6 to Temporary Filtrate Equalization Tank	N/A	19/5/2021	N/A	20/5/2021	Task Completed				100%		Filtrate feeding to TFES was resumed on 19/5/2021 with fine-tuned control.
	Removal of Accumulated Sludge Inside PST No. 6	N/A	19/5/2021	N/A	30/5/2021	Task Completed				100%		NCE-0229, this includes removal of floating scum/ sludge and clearance of blockage of drain pipe
	KD3B: Retrofitting Concrete Structure of PST No. 6	N/A	28/5/2021	N/A	24/6/2021	Task Completed				100%		
	KD3B: Mechanical Installation of E&M Equipment at PST No. 6	27/2/2021	31/5/2021	10/5/2021	21/7/2021	Task Completed				100%		This includes PST Influent feed pipe, center bearing & slip ring assembly, motor & gearbox assembly, rotating bridge sludge & scum scraper assembly, circular baffle diffuser box, v-notched weir plate, scum baffle plate, scum collection box and FRP cover.
	KD3B: Electrical Installation of E&M Equipment at PST No. 6	27/2/2021	9/6/2021	10/5/2021	21/7/2021	Task Completed				100%		This includes installation of LCP, cable laying & terminations.

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		Contract Planned Commencement Date	Anticipated / Actual Commencement Date	Contract Planned Finish Date	Anticipated / Actual Finish Date	% of time elapsed based on "updated date")	Unit	Total Quantity	Completed Quantity	Actual Progress %		
	KD3B: Testing and Comisssioning for PST No. 6	11/5/2021	22/6/2021	9/6/2021	20/8/2021	Task Completed				100%		Wet test (1st) completed on 20 Aug 2021 and wet test (2nd) completed on 3 Sep 2021.
KD3B: 6B.2.15 Operation Restoration of Existing Primary Sedimentation Tank (PST) No. 4 and 6	KD3B: System Commissioning for PST No. 4 & 6	N/A	22/6/2021	N/A	3/9/2021	Task Completed				100%		Wet test (2nd) for PST#6 completed on 3 Sep 2021 and pre-handover inspection arranged on 30 Aug 2021. Defect list (final) received on 17 Sep 2021 and defect rectification was completed. Site training/ demonstration shall be conducted by end Feb and PMI modification work shall be completed by end March.
	KD3B: 9 June 2021											
Section 1 of Works (outstanding works list)												
6B.2.12 Provision of New Replacement Filter Plates	Submission of onsite survey plan for acceptance	1/3/2020	25/3/2020	30/3/2020	21/4/2020	Task Completed				100%	-	Bestwise resubmitted onsite survey plan on 21 April 2020
	Acceptance of submission of onsite survey plan	1/3/2020	25/3/2020	30/3/2020	12/5/2020	Task Completed				100%	-	Survey plan acceptance received on 12 May 2020. Onsite discussion with ST1 was
	Submission of onsite survey report	21/5/2020	21/5/2020	29/5/2020	29/5/2020	Task Completed				100%		
	Acceptancce of onsite survey report	30/5/2020	30/5/2020	15/6/2020	15/6/2020	Task Completed				-		
	Preparation of procurement package (C11)	22/6/2020	22/6/2020	6/7/2020	14/7/2020	Task Completed				100%		
	Tender invitation (C11)	15/7/2020	15/7/2020	22/7/2020	24/7/2020	Task Completed				100%		
	Tender Award (C11)	23/7/2020	25/7/2020	29/7/2020	31/7/2020	Task Completed				100%		Revised survey report (second draft) was sent to AECOM on 21 Oct 2020. Technical
	Material Submission	21/8/2020	21/8/2020	28/8/2020	7/12/2020	Task Completed				100%		Material submission (Rev.1) resubmitted on 7 Dec 2020. AECOM accepted subject to comments on 24 Dec 2020. Material submission (Rev. 2) resubmitted on 12 Jan 2021. AECOM accepted subject to comment on 22 Jan 2021.
6B.2.12 Provision of New Replacement Filter Plates for Existing Membrane Filter Presses at Existing Sludge Press House	Material Delivery	1/12/2020	1/12/2020	8/8/2021	8/8/2021	Task Completed				-		"Filter Press Plates and Cloths" were handed over to DSD.
6B.2.12 Provision of Membrane Filter Press System at Existing Sludge Press House	Submission of onsite survey plan for acceptance	1/3/2020	25/3/2020	30/3/2020	Task to be deleted	Task to be deleted				-	-	PPMI No.5 was issused by PM on 24 April 2020. Bestwise is requested to submit quotation on delete the provision of one (1) no. of membrane filter press system in pursuant to Particular Specification Clause 6B.2.12.
6B.2.16 Temporary Filtrate Equalisation System (Sub-programme was provided by Bestwise)	Submission of onsite survey plan on E&M aspects for acceptance	1/3/2020	1/4/2020	30/3/2020	7/5/2020	Task Completed				100%	-	Bestwise resubmitted onsite survey plan on 7 May 2020
	Acceptance of submission of onsite survey plan	1/3/2020	1/4/2020	30/3/2020	23/5/2020	Task Completed				100%	-	AECOM accepted the onsite survey plan on 23 May 2020
6B.2.16 Temporary Filtrate Equalisation System (Sub-programme was provided by Bestwise)	Submission and Acceptance of ELS Design for Lifting Well	15/06/2020 -> 17/08/2020*	2/9/2020	30/07/2020 -> 30/11/2020*	9/2/2021	Task Completed				100%	Bestwise	- * = PMI014 - Revised Location for Construction of Temporary Filtrate Equalization System reveiced on 17 Aug 2020. - Re-design work was proceeded and the planned start date was revised to 17 Aug 2020. Bestwise submitted Rev.0 on 21 Oct 2020 and resubmitted Rev.2 on 23 Jan 2021. - AECOM provide consent for the ELS temporary works on 9 Feb 2021. AECOM accepted on 9 Feb 2021.
	Submission and Acceptance of Design for Filtrate Lifting Well Construction	15/06/2020 -> 17/08/2020*	2/9/2020	30/07/2020 -> 30/11/2020*	15/1/2021	Task Completed				100%		* = PMI014 - Revised Location for Construction of Temporary Filtrate Equalization System reveiced on 17 Aug 2020. - Re-design work was proceeded and the planned start date was revised to 17 Aug 2020. AECOM commented on 21 Dec 2020. Bestwise submitted Rev.0 on 2 Nov 2020 and Rev.1 on 8 Jan 2021.
	Submission and Acceptance of Design of FRP Filtrate Equalization Tank	15/06/2020 -> 07/09/2020**	2/9/2020	30/07/2020 -> 22/10/2020**	15/1/2021	Task Completed				100%		** = Change of material of temporary filtrate equalization tank from concrete to FRP on 07 Sep 2020. - Re-design work was proceeded and the planned start date was revised to 17 Aug 2020. - Bestwise submitted Rev.0 on 08 Jan 2020.
	Submission and Acceptance of Design of footing for FRP Filtrate Equalization Tank	15/06/2020 -> 07/09/2020**	2/9/2020	30/07/2020 -> 22/10/2020**	19/2/2021	Task Completed				100%		** = Change of material of temporary filtrate equalization tank from concrete to FRP on 07 Sep 2020. - Re-design work was proceeded and the planned start date was revised to 17 Aug 2020. - Design of Footing was submitted on 8 Feb 2021.
	Submission and Acceptance of Design of Formwork & Flasework Design for Construction of Lifting Well	15/06/2020 -> 17/08/2020*	2/9/2020	30/07/2020 -> 30/11/2020*	15/1/2021	Task Completed				100%		- * = PMI014 - Revised Location for Construction of Temporary Filtrate Equalization System reveiced on 17 Aug 2020. - Bestwise submitted Rev.0 on 12 Jan 2020.

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		Contract Planned Commencement Date	Anticipated / Actual Commencement Date	Contract Planned Finish Date	Anticipated / Actual Finish Date	% of time elapsed based on "updated date")	Unit	Total Quantity	Completed Quantity	Actual Progress %		
	Submission and Acceptance of Contractor's Design for Temporary Filtrate Equalisation System (E&M Works) (CDS010-2)	01/06/2020 -> 7/9/2020**	5/7/2020	30/07/2020 -> 30/11/2020**	30/7/2021	Task Completed				-	Bestwise	** = Change of material of temporary filtrate equalization tank from concrete to FRP on 07 Sep 2020. - Bestwise submitted (CDS 0010 Rev.0) on 6 August 2020, AECOM commented on 27 Aug 2020. Bestwise to resubmit (Separate submissions P&M0049, DWG0038, CDS0026, P&M0008, P&M0004, CDS0037, CDS0027, DWG0040 were submitted) - Control philosophy (CDS0027 Rev.0) was submitted on 22 Dec 2020. AECOM commented on 13 Jan 2021, Bestwise resubmitted on 27 May 2021 formally, AECOM accepted with comments on 4 Jun 2021.
	Drawing Submission	01/06/2020 -> 17/08/2020*	29/9/2020	30/07/2020 -> 30/11/2020*	5/3/2021	Task Completed				100%	Bestwise	- '* = PMI014 - Revised Location for Construction of Temporary Filtrate Equalization System reveiced on 17 Aug 2020. - Bestwise submitted (rev.0) on 29 Oct 2020 and resubmitted (rev.2) on 25 Jan 2021, AECOM accepted on 5 Feb 2021.
	Material Submission	01/06/2020 -> 17/08/2020*	29/11/2020	30/07/2020 -> 30/11/2020*	25/2/2021	Task Completed				100%	Bestwise	** = Change of material of temporary filtrate equalization tank from concrete to FRP on 07 Sep 2020. - P&M submission of temporary filtrate equalization tank (P&M 0030 Rev.1) on 29 Jan 2021. AECOM accepted subject to comments on 25 Feb 2021.
Subletting Package for Temporary Filtrate Equalization System	Tender invitation (C11) (EQT-002 & EQT-004)	17/4/2020	17/4/2020	7/5/2020	7/5/2020	Task Completed				100%		
	Tender award (C11) (EQT-002 & EQT-004)	14/4/2020	24/4/2020	13/5/2020	13/5/2020	Task Completed				100%	Bestwise	Bestwise submitted tender report on 29 April 2020 for filtrate pumps, AECOM commented on 29 May 2020, Bestwise to resubmit. Bestwise submitted tender report of instrument on 13 May 2020, AECOM noted on 26 May
	Acceptance of tender award (C11) (EQT-002 & EQT-	25/4/2020	25/4/2020	21/5/2020	21/5/2020	Task Completed				100%	Bestwise	
	Material Submission	20/07/2020 ->	16/10/2020	20/08/2020 -	5/2/2021	Task Completed				-	Bestwise	** = Change of material of temporary filtrate equalization tank from concrete to FRP on 18
	Submission of subletting package for acceptance (C9)	1/3/2020	13/7/2020	14/3/2020	13/7/2020	Task Completed				100%		
	Acceptance of subletting package (C9)	15/3/2020	14/7/2020	28/3/2020	14/7/2020	Task Completed				100%		
	Tender invitation (C9)	29/3/2020	15/7/2020	11/4/2020	22/7/2020	Task Completed				100%		
	Tender award (C9)	12/4/2020	23/7/2020	25/4/2020	13/8/2020	Task Completed				100%		
	Acceptance of tender award for civil construction work (C9)	26/04/2020	14/8/2020	5/5/2020	2/9/2020	Task Completed				100%		
	Preparation of subletting package for mech work (C9)	01/08/2020 -> 01/12/2020*	25/1/2021	08/08/20 -> 08/12/2020*	1/3/2021	Task Completed				100%		* = PMI014 - Revised Location for Construction of Temporary Filtrate Equalization System reveiced on 17 Aug 2020. Subletting package would was submitted on 25 Feb 2021 and AECOM accepted on 1 Mar
	Tender invitation for mech work (C9)	08/08/20 ->	2/3/2021	15/08/2020 -	9/3/2021	Task Completed				100%		Tender invitation was conducted on 2 Mar 2021 and returned on 9 Mar 2021
	Tender Award for mech work (C9)	15/08/2020 ->	10/3/2021	22/08/2020 -	15/3/2021	Task Completed				100%		Tender report was submitted on 15 Mar 2021
	Acceptance of tender award for mech work (C9)	22/08/2020 ->	15/3/2021	29/08/2020 -	19/3/2021	Task Completed				100%		Tender award on 19 Mar 2021.
	Preparation of subletting package for elect work (C9)	01/08/2020 -> 01/12/2020*	2/2/2021	08/08/20 -> 08/12/2020*	1/3/2021	Task Completed				100%		* = PMI014 - Revised Location for Construction of Temporary Filtrate Equalization System reveiced on 17 Aug 2020. Subletting package resubmitted on 26 Feb 2021 and AECOM accepted on 1 Mar 2021..
	Tender invitation for elect work (C9)	01/08/2020 ->	2/3/2021	15/08/2020 -	9/3/2021	Task Completed				100%		Tender invitation was conducted on 2 Mar 2021 and returned on 9 Mar 2021
	Tender Award for elect work (C9)	08/08/20 ->	10/3/2021	22/08/2020 -	15/3/2021	Task Completed				100%		Tender report was submitted on 15 Mar 2021
	Acceptance of tender award for elect work (C9)	15/08/2020 -> 15/12/2020*	15/3/2021	29/08/2020 -> 29/12/2020*	19/3/2021	Task Completed				100%		Tender award on 19 Mar 2021.
Construction of Temporary Filtrate Equalisation System	Construction of minor civil works under PMI 014	22/08/2020 -> 22/12/2020*	5/10/2020	15/10/2020	31/3/2021	Task Completed				100%	Bestwise	Utilities survey report of lifting well and EQ tank were submitted on 23 Sept 2020 and 29 Sept 2020. AECOM commented lifting well on 29 Sept 2020.
	RC Structure Works of lifting well	7/11/2020	12/1/2021	30/12/2020	25/2/2021	Task Completed				100%		
	Construction of concrete plinth for filtrate EQ tank	23/1/2021	8/2/2021	1/2/2021	26/2/2021	Task Completed				100%		
	Offsite fabrication and delivery of filtrate EQ tank	31/10/2020	16/1/2021	2/2/2021	4/3/2021	Task Completed				100%		First batch of filtrate EQ tank panel was delivered on 4 Mar 2021.
	Onsite assembly of filtrate EQ tank	2/2/2021	1/3/2021	12/3/2021	16/4/2021	Task Completed				100%		
6B.2.16 Temporary Filtrate Equalisation System	Mechanical Installation	17/3/2021	30/3/2021	12/4/2021	14/5/2021	Task Completed				-		
	Electrical Installation	13/3/2021	29/3/2021	15/4/2021	10/12/2021	Task Completed				-		PLC programme for water spray system (stage 1) is on-going, motorized gate valve for stage 2 under PMI is being fabricated and the delivery lead time is by end November.
	Testing and Comissioning	15/4/2021	22/4/2021	1/5/2021	30/11/2022	Completed				-		Defect rectification for BCM comments was partially completed and Site Acceptance Test (72 hours) was completed.
6B.1.17 Overall plant treatment process review by the Treatment Process Specialist	Submission of Treatment Process Specialist's review report	1/6/2020	1/6/2020	30/6/2020	2/7/2020	Task Completed				-	Bestwise	Preliminary Draft submitted, meeting completed on 15 May 2020 with SRE and TPS. Initial process design evaluation was submitted on 20 May 2020. Design calculation submitted on
	Acceptance of submission for further design	14/6/2020	3/7/2020	30/6/2020	17/7/2020	Task Completed				-		

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		Contract Planned Commencement Date	Anticipated / Actual Commencement Date	Contract Planned Finish Date	Anticipated / Actual Finish Date	% of time elapsed based on "updated date")	Unit	Total Quantity	Completed Quantity	Actual Progress %		
6B Overall plant process equipment sizing review	Submission of Contractor's Design Calculation for	1/6/2020	1/6/2020	30/6/2020	2/7/2020	Task Completed				-	Bestwise	Preliminary Draft submitted, meeting completed on 15 May 2020 with SRE and TPS. Initial
	Acceptance of submission for further detail design	14/6/2020	3/7/2020	30/6/2020	17/7/2020	Task Completed				-		
6B.2.1 Inlet Works	Submission of Contractor's Design for Inlet Works No. 1	6/9/2020	16/11/2020	14/5/2021	30/6/2023	99%				-	Bestwise	All finalized design calculations for Inlet Works no.1 shall be submitted by 20 Jan 2023.
	Submission of P&M Submission	6/9/2020	7/9/2020	14/5/2021	30/6/2023	99%						P&M0022 - Inlet Pumps (status: B) P&M0003 - Coarse Screens & Fine Screens (status: B) P&M0085 - Grit Traps (status: B) P&M0084 - Screw Compactor (status: B) P&M0042 - Screw Conveyors for Coarse Screens and Fine Screens (status: B) All P&M for Inlet Works no.1 shall be submitted by 20 Jan 2023.
	Submission of P&ID Drawing	6/9/2020	6/9/2020	14/5/2021	29/12/2020	Task Completed						PID (rev.B) submitted on 13 Nov 2020. AECOM accepted subject to comments on 29 Dec 2020.
	Submission of GA Drawing	6/9/2020	5/1/2021	14/5/2021	30/6/2023	99%						E&M GA submission DWG0082 resubmitted on 9 July 2021. AECOM commented on 19 Feb 2021. Bestwise reviewed GA in BIM with AECOM on 12 Jan 2022. Electrical GA DWG0095 resubmitted on 3 July 2021. AECOM commented on 21 Apr 2021. Bestwise reviewed GA in BIM with AECOM on 12 Jan 2022. All finalized drawings for Inlet Works no.1 shall be submitted by 30 June 2022 and BIM GA review meeting is scheduled on 5, 12, 19/5/2022.
	Submission of Electrical Drawing	6/9/2020	15/1/2021	14/5/2021	30/6/2023	99%						Electrical SLD submitted on 5 Feb 2021. AECOM commented on 20 Feb 2021. Bestwise to resubmit. All finalized drawings for Inlet Works no.1 shall be submitted by 20 Jan 2023.
	Acceptance of submission	15/5/2021	15/5/2021	29/5/2021	30/6/2023	99%				-		
	Submission of detailed design for electrical installation for Inlet Works No. 1 (CDS021)	6/9/2020	6/9/2020	14/5/2021	14/5/2021	Task Completed						
	Submission of detailed design for LV Switchboards for Inlet Works No. 1 (CDS025-1)	6/9/2020	6/9/2020	14/5/2021	14/5/2021	Task Completed						
	Submission of detailed design for electrical installation BS for Inlet Works No. 1 (CDS034-1)	6/9/2020	6/9/2020	14/5/2021	14/5/2021	Task Completed						
	Submission of civil work requirements for Inlet Works No. 1 up to +8.0 mPD (CDS080-1)	1/9/2020	1/9/2020	30/10/2020	30/10/2020	Task Completed						
	KD1A: Submission of civil requirement drawing for Inlet Works No. 1 up to +8.0 mPD (First Draft))	15/7/2020	15/7/2020	15/8/2020	17/9/2020	Task Completed	no.	3	3	100%		1st draft of drawing submitted on 17 September 2020
	KD1A: Submission of civil requirement drawing for Inlet Works No. 1 up to +8.0 mPD (Final)	28/8/2020	18/9/2020	5/11/2020	5/11/2020	Task Completed	no.	3	3	100%	Bestwise	Bestwise resubmitted (rev.A) on 27 Oct 2020.
	KD1A: Submission of electrical schematic drawings for Inlet Works No. 1 (First Draft)	15/7/2020	15/7/2020	15/8/2020	30/9/2020	Task Completed	no.	2	2	100%		1st draft of drawing submitted on 30 September 2020
	KD1A: Submission of electrical schematic drawings for Inlet Works No. 1 (Final)	7/9/2020	1/10/2020	5/11/2020	20/10/2020	Task Completed	no.	2	2	100%	Bestwise	Bestwise submitted on 20 Oct 2020
	KD1A: 6 November 2020											Notice of completion works was submitted on 17 Nov 2020
6B.2.2 Primary Sedimentation Tank No. 1-4	Submission of Contractor's Design for Primary Sedimentation Tanks No. 1-4	6/9/2020	28/12/2020	14/5/2021	30/6/2023	99%				-	Bestwise	PFD (rev.B) under DWG0004 submitted on 22 June 2021. Finalized design calculations for PST shall be submitted by 20 Jan 2023.
	Submission of P&M Submission	6/9/2020	26/11/2020	14/5/2021	30/6/2023	99%						P&M0058 - Lamella Plate Settler (status: B) P&M0097 - Scum Skimmer and Scum Collection Pipe (status: C) P&M0086 - Sludge Bottom Scraper (status: B) P&M0051 - Drain Pump (status: B) P&M0044 - Primary Sludge Pump (status: B) Finalized material submissions for PST shall be submitted by 20 Jan 2023.
	Submission of P&ID Drawing	6/9/2020	2/10/2020	14/5/2021	24/6/2021	Task Completed						PID under DWG0037 (rev.1) submitted on 24 June 2021 and is accepted by AECOM.

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		Contract Planned Commencement Date	Anticipated / Actual Commencement Date	Contract Planned Finish Date	Anticipated / Actual Finish Date	% of time elapsed based on "updated date")	Unit	Total Quantity	Completed Quantity	Actual Progress %		
	Submission of GA Drawing	6/9/2020	3/2/2021	14/5/2021	30/6/2023	99%						Mechanical GA was submitted on 19 Jun 2021. Electrical GA under DWG0103 (rev.1) was submitted on 6 Jul 2021 and is accepted by AECOM. Finalized drawings for PST shall be submitted by 30 Aug 2022.
	Submission of Electrical Drawing	6/9/2020	15/1/2021	14/5/2021	30/6/2023	99%						Electrical SLD submitted on 5 Feb 2021. AECOM commented on 20 Feb 2021. Bestwise to resubmit. Finalized drawings for PST shall be submitted by 20 Jan 2023.
	Acceptance of submission	15/5/2021	2/4/2021	29/5/2021	30/6/2023	99%				-		Refer to outstanding list under "Certificate of completion no.1 - section 1 of the works".
	Submission of detailed design for electrical installation	6/9/2020	6/9/2020	14/5/2021	14/5/2021	Task Completed						
	Submission of detailed design for LV Switchboards for Primary Sedimentation Tanks (CDS025-2)	6/9/2020	6/9/2020	14/5/2021	14/5/2021	Task Completed						
	Submission of detailed design for electrical installation	6/9/2020	6/9/2020	14/5/2021	14/5/2021	Task Completed						
	Submission of civil work requirements for Primary Sedimentation Tanks up to +8.0 mPD (CDS080-2)	1/9/2020	1/9/2020	30/10/2020	30/10/2020	Task Completed						
	KD1A: Submission of civil requirement drawing for Primary Sedimentation Tanks No. 1-4 up to +8.0 mPD	15/7/2020	15/7/2020	15/8/2020	30/9/2020	Task Completed	no.	4	4	100%		1st part of drafted drawing (2 nos.) was submitted on 23 Sept 2020. Remaining drawings (2 nos.) were submitted on 30 Sept 2020.
	KD1A: Submission of civil requirement drawing for Primary Sedimentation Tanks No. 1-4 up to +8.0 mPD	28/8/2020	1/10/2020	5/11/2020	5/11/2020	Task Completed	no.	4	4	100%	Bestwise	Bestwise resubmitted (Rev.A) on 27 Oct & 13 Nov 2020.
	KD1A: Submission of electrical schematic drawings for Primary Sedimentation Tanks No. 1-4 (First Draft)	15/7/2020	15/7/2020	15/8/2020	30/9/2020	Task Completed	no.	1	1	100%		1st draft of drawing submitted on 30 September 2020
	KD1A: Submission of electrical schematic drawings for Primary Sedimentation Tanks No. 1-4 (Final)	7/9/2020	1/10/2020	5/11/2020	20/10/2020	Task Completed	no.	1	1	100%	Bestwise	Bestwise submitted on 20 Oct 2020
	KD1A: 6 November 2020											Notice of completion works was submitted on 17 Nov 2020
6B.2.3 Chemical Storage and Dosing System	Submission of Contractor's Design for Chemical Dosing System (CDS006)	6/9/2020	7/1/2021	14/5/2021	29/10/2021	Task Completed				-	Bestwise	Design calculation (rev.0) of CHS1 and TCHS submitted on 2 Sep 2020 and 28 Aug 2020, AECOM commented on 24 Sep and 6 Oct 2020, Bestwise submitted CDS0060 on 15 Jul 2021 and CDS0044 on 19 Jul 2021. Finalized design calculation for chemical systems was submitted on 29 Oct 2021.
	Submission of P&M Submission	6/9/2020	6/9/2020	14/5/2021	30/10/2021	Task Completed						Finalized material submissions for chemical system was submitted on 30 Oct 2021.
	Submission of P&ID Drawing	6/9/2020	11/12/2020	14/5/2021	29/6/2021	Task Completed						PID resubmitted under DWG0053 (rev.1) on 28 Jun 2021, DWG0057 (rev.1) on 29 Jun 2021 and DWG0058 (rev.1) on 29 Jun 2021.
	Submission of GA Drawing	6/9/2020	8/2/2021	14/5/2021	30/6/2023	99%						Electrical GA drawings for CS1 under DWG0096 submitted on 10 April 2021. AECOM accepted subject to comments on 17 Apr 2021. Mechanical GA drawings for CS1 submitted on 1 April 2021. AECOM commented on 24 April 2021. Bestwise resubmitted DWG0093 (rev.1) on 30 Jun 2021 and is accepted by AECOM. Mechanical GA for Temp CS submitted on 12 Jun 2021. All finalized drawings for chemical systems shall be submitted by 30 June 2022 and BIM GA review meeting is scheduled on 17, 21, 28/4/2022.
	Submission of Electrical Drawing	6/9/2020	15/1/2021	14/5/2021	30/6/2023	99%						Electrical SLD submitted on 5 Feb 2021. AECOM commented on 20 Feb 2021. Bestwise to resubmit. All finalized drawings for chemical system shall be submitted by 20 Jan 2023.
	Acceptance of submission	15/5/2021	15/5/2021	29/5/2021	30/6/2023	99%				-		
	Submission of detailed design for electrical installations	6/9/2020	6/9/2020	14/5/2021	14/5/2021	Task Completed						
	Submission of detailed design for electrical installations	6/9/2020	6/9/2020	14/5/2021	14/5/2021	Task Completed						
	Submission of detailed design for electrical installations	6/9/2020	6/9/2020	14/5/2021	14/5/2021	Task Completed						
	Submission of detailed design for electrical installation	6/9/2020	6/9/2020	14/5/2021	14/5/2021	Task Completed						
	KD1A: Submission of civil requirement drawing for	15/7/2020	15/7/2020	15/8/2020	16/9/2020	Task Completed	no.	2	2	100%		1st draft of drawing submitted on 15 September for CHS1 and 16 September 2020 for
	KD1A: Submission of civil requirement drawing for	7/9/2020	17/9/2020	5/11/2020	5/11/2020	Task Completed	no.	2	2	100%		Bestwise resubmitted (Rev.A) on 5 Nov 2020.
	KD1A: Submission of electrical schematic drawings for	15/7/2020	15/7/2020	15/8/2020	15/9/2020	Task Completed				-		1st draft of drawing to be submitted by 16 September 2020
	KD1A: Submission of electrical schematic drawings for Chemical System No. 1 and No. 2 (Final)	7/9/2020	16/9/2020	5/11/2020	5/11/2020	Task Completed						
	KD1A: Submission of civil requirement drawing for Temporary Chemical System up to +8.0 mPD (First	15/7/2020	15/7/2020	15/8/2020	15/9/2020	Task Completed	no.	1	1	100%		1st draft of drawing submitted on 15 September 2020

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	KD1A: Submission of civil requirement drawing for Temporary Chemical System up to +8.0 mPD (Final)	7/9/2020	16/9/2020	5/11/2020	5/11/2020	Task Completed	no.	1	1	100%		Bestwise resubmitted (Rev.A) on 5 Nov 2020.
	KD1A: Submission of electrical schematic drawings for Temporary Chemical System (First Draft)	15/7/2020	15/7/2020	15/8/2020	15/9/2020	Task Completed				-		1st draft of drawing to be submitted by 16 September 2020
	KD1A: Submission of electrical schematic drawings for	7/9/2020	16/9/2020	5/11/2020	5/11/2020	Task Completed						
	KD1A: 6 November 2020											Notice of completion works was submitted on 17 Nov 2020
6B.2.4 Membrane Bioreactor (MBR) System - Bio Reactor 2A and 2B	Submission of Contractor's Design for Bioreactor 2A and 2B (CDS004)	6/9/2020	12/1/2021	14/5/2021	30/6/2023	99%				-	Bestwise	PFD (rev.1) submitted on 3 Nov 2020. AECOM accepted on 7 Dec 2020 subject to comment. MBR system process and design calculation (rev.2) submitted on 6 Nov 2020. AECOM accepted on 17 Nov 2020 subject to comments. Electrical CDS submitted on 23 Jun 2021. Finalized design calculations shall be submitted by 20 Jan 2023.
	Submission of P&M Submission	6/9/2020	26/11/2020	14/5/2021	30/6/2023	99%						P&M0060 - Pre-treatment Fine Screen (status: B) P&M0053 - MLR Pump (status: B) P&M0118 - Scum Skimmer & Scum Pump (status: C) P&M0088 - Fine Bubble Air Diffuser (status: B) P&M0xxx - Wash Compactor (status: B) P&M0041 - Submersible Mixer (status: B) Finalized material submission shall be submitted by 20 Jan 2023.
	Submission of P&ID Drawing	6/9/2020	2/11/2020	14/5/2021	2/7/2021	Task Completed						PID (Rev.1) under DWG0042 resubmitted on 6 July 2021.
	Submission of GA Drawing	6/9/2020	17/2/2021	14/5/2021	30/6/2023	99%						Mechanical GA under DWG0132 submitted on 26 Jun 2021 and is accepted by AECOM. Electrical GA submitted on 23 Jun 2021. Finalized drawing shall be submitted by 30 June 2022. BIM GA review meeting is scheduled on 1, 8, 15/6/2022.
	Submission of Electrical Drawing	6/9/2020	15/1/2021	14/5/2021	30/6/2023	99%						Electrical SLD submitted on 5 Feb 2021. AECOM commented on 20 Feb 2021. Bestwise to resubmit. Finalized drawing shall be submitted by 20 Jan 2023.
	Acceptance of submission	15/5/2021	15/5/2021	29/5/2021	30/6/2023	99%				-		Refer to outstanding list under "Certificate of completion no.1 - section 1 of the works".
	Submission of detailed design for electrical installation	6/9/2020	6/9/2020	14/5/2021	14/5/2021	Task Completed						
	Submission of detailed design for LV Switchboards for BR 2A and 2B (CDS025-3)	6/9/2020	6/9/2020	14/5/2021	14/5/2021	Task Completed						
	Submission of detailed design for electrical installation	6/9/2020	6/9/2020	14/5/2021	14/5/2021	Task Completed						
	Submission of civil work requirements for BR 2A and 2B up to +8.0 mPD (CDS080-3)	1/9/2020	1/9/2020	30/10/2020	30/10/2020	Task Completed						
	KD1A: Submission of civil requirement drawing for BR 2A and 2B up to +8.0 mPD (First Draft)	15/7/2020	15/7/2020	15/8/2020	30/9/2020	Task Completed	no.	2	2	100%		1st draft of drawing submitted on 30 September 2020
	KD1A: Submission of civil requirement drawing for BR 2A and 2B up to +8.0 mPD (Final)	28/8/2020	1/10/2020	5/11/2020	5/11/2020	Task Completed	no.	2	2	100%	Bestwise	AECOM commented on 23 Oct 2020, Bestwise resubmitted on 5 Nov 2020.
	KD1A: Submission of electrical schematic drawings for BR 2A and 2B (First Draft)	15/7/2020	15/7/2020	15/8/2020	30/9/2020	Task Completed				-		1st draft of drawing was sent to AECOM via email on 15 September 2020
	KD1A: Submission of electrical schematic drawings for	7/9/2020	1/10/2020	5/11/2020	5/11/2020	Task Completed						
	KD1A: 6 November 2020											Notice of completion works was submitted on 17 Nov 2020
6B.2.4 Membrane Bioreactor (MBR) System - Membrane Filtration System No. 2 (MFB No. 2)	Submission of Contractor's Design for Membrane Filtration System (CDS005)	6/9/2020	11/1/2021	14/5/2021	30/6/2023	99%				-	Bestwise	PFD (rev.1) submitted on 3 Nov 2020. AECOM accepted on 10 Dec 2020 subject to comment. MBR system process and design calculation (rev.2) submitted on 6 Nov 2020. AECOM accepted on 17 Nov 2020 subject to comments. Finalized design calculations shall be submitted by 30 Aug 2022.
	Submission of P&M Submission	6/9/2020	19/11/2020	14/5/2021	30/6/2023	99%						P&M0072 - Membrane Module (status: B) P&M0069 - Permeate Pump (status: B) P&M0047 - RAS Pump (status: B) P&M0050 - Drain Pump (status: B) P&M0074 - Air Scour Blower (status: C) P&M0073 - Aeration Blower (status: C) P&M0093 - Air Compressor (status: B) P&M0091 - Chemical Pump (status: B) P&M0xxx - Chemical Tank (to be submitted) Finalized material submission shall be submitted by 20 Jan 2023.
	Submission of P&ID Drawing	6/9/2020	30/10/2020	14/5/2021	2/7/2021	Task Completed						DWG0049 (Rev.1) was resubmitted on 2 Jul 2021.
	Submission of GA Drawing	31/3/2021	18/2/2021	14/5/2021	30/6/2023	99%						DWG0121 (rev.1) was resubmitted to AECOM on 17 Jul 2021 Finalized drawings shall be submitted by 30 June 2022. BIM GA review meeting is scheduled on 19, 26/5/2022 and 2/6/2022 (Lower part) BIM GA review meeting is scheduled on 16, 23, 30/6/2022 (Upper part)

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		Contract Planned Commencement Date	Anticipated / Actual Commencement Date	Contract Planned Finish Date	Anticipated / Actual Finish Date	% of time elapsed based on "updated date")	Unit	Total Quantity	Completed Quantity	Actual Progress %		
	Submission of Electrical Drawing	15/4/2021	15/1/2021	14/5/2021	30/6/2023	99%						Electrical SLD submitted on 5 Feb 2021. AECOM commented on 20 Feb 2021. Bestwise to resubmit. Electrical GA under DWG0079 (rev.1) was resubmitted on 8 Jul 2021. Finalized drawings shall be submitted by 20 Jan 2023.
	Acceptance of submission	15/5/2021	15/5/2021	29/5/2021	30/6/2023	99%				-		
	Submission of detailed design for electrical installation	6/9/2020	6/9/2020	14/5/2021	14/5/2021	Task Completed						
	Submission of detailed design for LV Switchboards for	6/9/2020	6/9/2020	14/5/2021	14/5/2021	Task Completed						
	Submission of detailed design for electrical installation BS for MFB (CDS034-4)	6/9/2020	6/9/2020	14/5/2021	14/5/2021	Task Completed						
	Submission of civil work requirements for MFB up to	1/9/2020	1/9/2020	30/9/2020	30/9/2020	Task Completed						
	KD1A: Submission of civil requirement drawing for	15/7/2020	15/7/2020	15/8/2020	30/9/2020	Task Completed	no.	7	7	100%		1st draft of drawing submitted on 30 September
	KD1A: Submission of civil requirement drawing for MFB No. 2 up to +8.0 mPD (Final)	28/8/2020	1/10/2020	5/11/2020	5/11/2020	Task Completed	no.	7	7	100%	Bestwise	Bestwise resubmitted (Rev.1) on 5 Nov 2020.
	KD1A: Submission of electrical schematic drawings for	15/7/2020	15/7/2020	15/8/2020	30/9/2020	Task Completed	no.	3	3	100%		1st draft of drawing submitted on 30 September 2020
	KD1A: Submission of electrical schematic drawings for MFB No. 2 (Final)	7/9/2020	1/10/2020	5/11/2020	20/10/2020	Task Completed	no.	3	3	100%	Bestwise	Bestwise submitted (Rev.1) on 20 Oct 2020
	KD1A: 6 November 2020											Notice of completion works was submitted on 17 Nov 2020
6B.2.6 Deodorisation System (EQT-001 - Deodorization Unit)	Tender invitation (C11)	17/4/2020	17/4/2020	24/4/2020	24/4/2020	Task Completed				100%		
6B.2.6 Deodorisation System (EQT-001 - Deodorization Unit)	Tender award (C11)	25/4/2020	25/4/2020	12/5/2020	12/5/2020	Task Completed				100%	Bestwise	Bestwise submitted tender report on 13 May 2020. AECOM commented on 23 July 2020, Bestwise to resubmit.
	Acceptance of tender award (C11)	13/5/2020	13/5/2020	21/5/2020	21/5/2020	Task Completed				100%		
	Submission of Contractor's Design for Deodorisation System , DOU No. 1 (CDS0019 & CDS0045)	6/9/2020	6/9/2020	14/5/2021	31/12/2021	Task Completed				-		Design Calculation (Rev.0) was submitted on 24 Nov 2020. AECOM commented on 6 Jan 2021, Bestwise to resubmit. Bestwise submitted CDS0045 on 3 June 2021. Finalized design was completed.
	Submission of P&ID Drawing of DOU No. 1	6/9/2020	5/8/2020	14/5/2021	2/7/2021	Task Completed				-	Bestwise	Bestwise resubmitted rev.3 on 29 Mar 2021. AECOM accepted subject to comments on 13 Apr 2021.
	Submission of GA Drawing of DOU No. 1	6/9/2020	6/9/2020	14/5/2021	30/6/2023	99%						GA submitted on 21 Jun 2021 Finalized drawings shall be submitted by 30 June 2022 and BIM GA review meeting is scheduled on 11, 18, 25/5/2022.
	Submission of Electrical Drawing of DOU No. 1	21/3/2021	30/1/2021	14/5/2021	30/6/2023	99%						Control wiring diagrams was resubmitted on 1 April 2021. AECOM commented on 23 Apr 2021. Bestwise to resubmit. Finalized drawings shall be submitted by 20 Jan 2023.
	Acceptance of submission	15/5/2021	15/5/2021	29/5/2021	30/6/2023	99%				-		
	KD1A: Submission of civil requirement drawing for Deodorisation System , DOU No. 1 up to +8.0 mPD (First Draft)	15/7/2020	15/7/2020	15/8/2020	28/9/2020	Task Completed	no.	1	1	100%		1st draft of drawing was submitted on 28 September 2020
	KD1A: Submission of civil requirement drawing for Deodorisation System , DOU No. 1 up to +8.0 mPD (Final)	28/8/2020	29/9/2020	2/11/2020	5/11/2020	Task Completed	no.	1	1	100%	Bestwise	Bestwise resubmitted (rev.1) on 5 Nov 2020.
	Submission of Contractor's Design for Deodorisation System , DOU No. 2A (CDS0019 & CDS0048)	6/9/2020	6/9/2020	14/5/2021	10/12/2021	Task Completed				-		CDS0019: Design Calculation for Deodorisation System (status: B) CDS0048: Design Calculation on DOU2A - air extraction fan (status: B)
	Submission of P&ID Drawing of DOU No. 2A	6/9/2020	5/8/2020	14/5/2021	2/7/2021	Task Completed				-	Bestwise	Bestwise resubmitted rev.3 on 29 Mar 2021. AECOM accepted subject to comments on 13 Apr 2021.
	Submission of GA Drawing of DOU No. 2A	6/9/2020	3/8/2020	14/5/2021	30/6/2023	99%				-	Bestwise	Bestwise submitted (rev.1) on 30 Nov 2020. AECOM commented on 16 Dec 2020. Bestwise to resubmit. Finalized drawings shall be submitted by 30 June 2022 and BIM GA review meeting is scheduled on 1, 8, 15/6/2022.
	Submission of Electrical Drawing of DOU No. 2A	21/3/2021	26/1/2021	14/5/2021	30/6/2023	99%						Bestwise submitted (rev.0) on 26 Jan 2021, AECOM commented on 4 Feb 2021. Bestwise to resubmit. Finalized drawing shall be submitted by 20 Jan 2023.
	Acceptance of submission	15/5/2021	15/5/2021	29/5/2021	30/6/2023	99%				-		
	Submission of Contractor's Design for Deodorisation System , DOU No. 3A (CDS0019 & CDS0055)	6/9/2020	6/9/2020	14/5/2021	10/12/2021	Task Completed				-		CDS0019: Design Calculation for Deodorisation System (status: B) CDS0055: Design Calculation on DOU3A - air extraction fan (status: B)
	Submission of P&ID Drawing of DOU No. 3A	6/9/2020	5/8/2020	14/5/2021	2/7/2021	Task Completed				-	Bestwise	Bestwise resubmitted rev.3 on 29 Mar 2021. AECOM accepted subject to comments on 13 Apr 2021.

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		Contract Planned Commencement Date	Anticipated / Actual Commencement Date	Contract Planned Finish Date	Anticipated / Actual Finish Date	% of time elapsed based on "updated date")	Unit	Total Quantity	Completed Quantity	Actual Progress %		
	Submission of GA Drawing of DOU No. 3A	6/9/2020	8/7/2020	14/5/2021	30/6/2023	99%				-	Bestwise	Bestwise submitted (rev.1) on 28 Oct 2020. AECOM commeneted on 16 Dec 2020. Bestwise resubmitted on 24 June 2021. Finalized drawings shall be submitted by 30 June 2022 and BIM GA review meeting is scheduled on 27/4/2022, 4, 11/5/2022.
	Submission of Electrical Drawing of DOU No. 3A	21/3/2021	26/2/2021	14/5/2021	30/6/2023	99%						Bestwise submitted on 17 Apr 2021. AECOM commented on 27 Apr 2021. Bestwise to resubmit. GA submitted on 24 Jun 2021 Finalized drawing shall be submitted by 20 Jan 2023.
	Acceptance of submission	15/5/2021	15/5/2021	29/5/2021	30/6/2023	99%						
	KD1A: Submission of civil requirement drawing for Deodorisation System , DOU No. 3A up to +8.0 mPD	15/7/2020	15/7/2020	15/8/2020	28/9/2020	Task Completed	no.	1	1	100%		1st draft of drawing was submitted on 28 September 2020
	KD1A: Submission of civil requirement drawing for	28/8/2020	29/9/2020	2/11/2020	5/11/2020	Task Completed	no.	1	1	100%	Bestwise	Bestwise resubmitted (rev.1) on 5 Nov 2020.
	Submission of Contractor's Design for Deodorisation System , DOU No. 3B (CDS0019 & CDS0049)	6/9/2020	6/9/2020	14/5/2021	10/12/2021	Task Completed						CDS0019: Design Calculation for Deodorisation System (status: B) CDS0049: Design Calculation on DOU3B - air extraction fan (status: B)
	Submission of P&ID Drawing of DOU No. 3B	6/9/2020	5/8/2020	14/5/2021	2/7/2021	Task Completed				-	Bestwise	Bestwise resubmitted rev.3 on 29 Mar 2021. AECOM accepted subject to comments on 13 Apr 2021.
	Submission of GA Drawing of DOU No. 3B	6/9/2020	6/9/2020	14/5/2021	30/6/2023	99%						Bestwise submitted DWG0081 (rev.0) on 5 Feb 2021. AECOM commeneted on 12 Mar 2021. Bestwise to resubmit. Finalized drawings shall be submitted by 30 June 2022 and BIM GA revew meeting is scheduled on 16, 23, 30/6/2022.
	Submission of Electrical Drawing of DOU No. 3B	21/3/2021	22/2/2021	14/5/2021	30/6/2023	99%						GA submitted on 24 Jun 2021 Finalized drawing shall be submitted by 20 Jan 2023.
	Acceptance of submission	15/5/2021	15/5/2021	29/5/2021	30/6/2023	99%				-		
	Submission of detailed design for electrical installation	6/9/2020	6/9/2020	14/5/2021	14/5/2021	Task Completed						
	Submission of detailed design for LV Switchboards for	6/9/2020	6/9/2020	14/5/2021	14/5/2021	Task Completed						
	Submission of detailed design for electrical installation	6/9/2020	6/9/2020	14/5/2021	14/5/2021	Task Completed						
	Submission of civil work requirements for MFB up to	1/9/2020	1/9/2020	30/9/2020	30/9/2020	Task Completed						
	Submission of civil requirement drawing for MFB up to	28/8/2020	28/8/2020	2/11/2020	2/11/2020	Task Completed						
	KD1A: Submission of electrical schematic drawings for	15/7/2020	15/7/2020	15/8/2020	30/9/2020	Task Completed				-		1st draft of drawing to be submitted by 30 September 2020
	KD1A: Submission of electrical schematic drawings for	7/9/2020	1/10/2020	5/11/2020	5/11/2020	Task Completed						
	KD1A: 6 November 2020											Notice of completion works was submitted on 17 Nov 2020
04SC008 - Design, Supply and Installation of detailed design for lifting appliances	Acceptance of tender award (C9)	-	-	-	6/7/2020	Task Completed				100%	-	AECOM accepted tender report on 6 July 2020.
	Submission of detailed design for lifting appliances for Inlet Works No. 1 (CDS050-1)	6/9/2020	5/12/2020	6/9/2020	30/6/2023	99%						DWG 0055 (Rev.0) was submitted on 13 Mar 2021. AECOM commented on 20 Apr 2021. Bestwise to resubmit. Bestwise submitted P&M0025 on 15 June 2021. Finalized design shall be submitted by 20 Jan 2023.
	Submission of detailed design for lifting appliances for Primary Sedimentation Tanks (CDS050-2)	6/9/2020	5/12/2020	6/9/2020	30/6/2023	99%						DWG 0054 (Rev.0) was submitted on 18 Jan 2021. AECOM commented on 9 Mar 2021. Bestwise to resubmit. Finalized design shall be submitted by 20 Jan 2023.
	Submission of detailed design for lifting appliances for BR 2A and 2B (CDS050-3)	6/9/2020	5/12/2020	6/9/2020	30/6/2023	99%						DWG 0065 (Rev.0) was submitted on 18 Jan 2021. AECOM commented on 9 Mar 2021. Bestwise to resubmit. P&M-0026 (Rev.1) received status B. Finalized design calculation shall be submitted by 20 Jan 2023.
	Submission of detailed design for lifting appliances for MFB (CDS050-4)	6/9/2020	5/12/2020	6/9/2020	30/6/2023	99%						DWG 0066 (Rev.1) was submitted on 1 Mar 2021. AECOM commented on 5 Mar 2021. Bestwise to resubmit. P&M-0027 (Rev.1) received status B. Finalized design calculation shall be submitted by 20 Jan 2023.
	Submission of detailed design for lifting appliances for Temporary Filtration Tank (CDS050-5)	6/9/2020	5/12/2020	6/9/2020	21/5/2021	Task Completed						DWG 0051 (Rev.2) was resubmitted on 7 May 2021 and acceptance by AECOM subject to condition on 21 May 2021. Bestwise submitted P&M0021 on 21 June 2021.
Building Services System	Submission for MVAC system	N/A	10/12/2020	N/A	30/6/2023	99%						Design calculations and drawings for inlet works was submitted on 16 Dec 2020. AECOM commented on 15 Jan 2021 and 20 Jan 2021. Design calculations and drawings for PST was submitted on 30 Dec 2020. AECOM commented on 22 Jan 2021 and 26 Jan 2021. Design calculations and drawings for MFB2 was submitted on 29 Jan 2021. AECOM commented on 26 Mar 2021. Subletting package resubmitted by 18 Mar 2021. AECOM accepted on 19 Mar 2021. Finalized design shall be submitted by 20 Jan 2023.

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		Contract Planned Commencement Date	Anticipated / Actual Commencement Date	Contract Planned Finish Date	Anticipated / Actual Finish Date	% of time elapsed based on "updated date")	Unit	Total Quantity	Completed Quantity	Actual Progress %		
	Submission for Fire Services System	N/A	15/3/2021	N/A	30/6/2023	99%						Subletting Package to be resubmitted by 31 Mar 2021. AECOM accepted on 9 Apr 2021. Drawings: Inlet Works: submitted on 8 June 2021. PST 1-4: submitted on 23 Jun 2021 BR2A &2B: submitted on 8 Jun 2021 MFB 2: submitted on 8 Jun 2021 Finalized design shall be submitted by 20 Jan 2023.
	Submission for Plumbing and Drainage System	N/A	15/3/2021	N/A	30/6/2023	99%						Subletting Package resubmitted by 10 Mar 2021. AECOM accepted on 12 Mar 2021. Tender invitation was conducted on 15 Mar 2021 and closed on 26 Mar 2021. Finalized design shall be submitted by 20 Jan 2023.
	Submission for Electrical Services System	N/A	10/12/2020	N/A	30/6/2023	99%						GA for lighting was submitted on 18 Dec 2020. AECOM commented on 6 Jan 2021. Bestwise to resubmit. GA for small power system was submitted in 8 Feb 2021. AECOM commented on 3 Mar 2021. Bestwise to resubmit. Finalized design shall be submitted by 20 Jan 2023.
	Submission of ELV system	N/A	8/1/2021	N/A	30/6/2023	99%						GA for CCTV was resubmitted on 16 Mar 2021. AECOM commented on 30 Mar 2021. Bestwise resubmitted on 25 Jun 2021. Finalized design shall be submitted by 20 Jan 2023.
	Submission for PV system	N/A	15/3/2021	N/A	30/6/2023	99%						Tender package was submitted to AECOM. Finalized design shall be submitted by 20 Jan 2023.
					30/6/2023							
SCADA System & PMS	Submission for SCADA system	N/A	11/2/2021	N/A	30/6/2023	99%						Revised SCADA structure was provided via email on 9 Apr 2021 and tender package is under preparation. Finalized design shall be submitted by 20 Jan 2023.
	Submission for PMS system	N/A	8/3/2021	N/A	30/6/2023	99%						Tender package to be resubmitted on 29 June 2021. Finalized design shall be submitted by 20 Jan 2023.
	Submission for CMMS & IDMS system	N/A	1/6/2021	N/A	30/6/2023	99%						Finalized design shall be submitted by 20 Jan 2023.
Section 2 of Works												
Street Fire Hydrant Pump Room	KD1A: Submission of civil requirement drawing for	15/7/2020	15/7/2020	15/8/2020	17/9/2020	Task Completed	no.	1	1	100%		1st draft of drawing submitted on 17 September 2020
	KD1A: Submission of civil requirement drawing for	28/8/2020	18/9/2020	2/11/2020	5/11/2020	Task Completed	no.	1	1	100%		Bestwise resubmitted (rev.1) on 5 Nov 2020.
	KD1A: Submission of electrical schematic drawings for	15/7/2020	15/7/2020	15/8/2020	30/9/2020	Task Completed						1st draft of drawing to be submitted by 30 September 2020
	KD1A: Submission of electrical schematic drawings for	7/9/2020	1/10/2020	5/11/2020	5/11/2020	Task Completed						
	KD1A: 6 November 2020											Notice of completion works was submitted on 17 Nov 2020
FS & Sprinkler Pump Room	KD1A: Submission of civil requirement drawing for FS	15/7/2020	15/7/2020	15/8/2020	17/9/2020	Task Completed	no.	1	1	100%		1st draft of drawing submitted on 17 September 2020
	KD1A: Submission of civil requirement drawing for FS	28/8/2020	18/9/2020	2/11/2020	5/11/2020	Task Completed	no.	1	1	100%		Bestwise resubmitted (rev.1) on 5 Nov 2020.
	KD1A: Submission of electrical schematic drawings for	15/7/2020	15/7/2020	15/8/2020	30/9/2020	Task Completed						
	KD1A: Submission of electrical schematic drawings for	7/9/2020	1/10/2020	5/11/2020	5/11/2020	Task Completed						
	KD1A: 6 November 2020											Notice of completion works was submitted on 17 Nov 2020
	Fire Services Installation Work	1/3/2023	16/3/2023	16/7/2023	31/7/2023							
Emergency Generator House	KD1A: Submission of civil requirement drawing for Emergency Generator House up to +8.0 mPD (First	15/7/2020	15/7/2020	15/8/2020	18/9/2020	Task Completed	no.	1	1	100%		1st draft of drawing submitted on 18 September 2020
	KD1A: Submission of civil requirement drawing for Emergency Generator House up to +8.0 mPD (Final)	28/8/2020	19/9/2020	2/11/2020	5/11/2020	Task Completed	no.	1	1	100%		Bestwise resubmitted (rev.1) on 5 Nov 2020.
	KD1A: Submission of electrical schematic drawings for	15/7/2020	15/7/2020	15/8/2020	30/9/2020							
	KD1A: Submission of electrical schematic drawings for Street Fire Hydrant Pump Room (Final)	7/9/2020	1/10/2020	5/11/2020	5/11/2020							
	KD1A: 6 November 2020											Notice of completion works was submitted on 17 Nov 2020
DOU3A	Material Delivery	7/3/2023	7/3/2023	7/5/2023								
	Mechanical Installation for DOU3A	8/3/2023		6/7/2023								
	Testing & Commissioning											

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		Contract Planned Commencement Date	Anticipated / Actual Commencement Date	Contract Planned Finish Date	Anticipated / Actual Finish Date	% of time elapsed based on "updated date")	Unit	Total Quantity	Completed Quantity	Actual Progress %		
Lightning Protection System for DOU3A (underground)	Submission and Acceptance for Lightning Protection System Design	6/12/2021	6/12/2021	31/1/2022	31/1/2022	Task Completed						
	Material Delivery	7/2/2022	7/2/2022	28/2/2022	28/2/2022	Task Completed						
	Installation Work	31/3/2022	26/4/2022	5/5/2022	5/5/2022	Task Completed						
	Testing & Commissioning	7/1/2023	7/1/2023	31/1/2023								
Lightning Protection System for Inlet Works (underground)	Submission and Acceptance for Lightning Protection System Design	20/12/2021	20/12/2021	31/1/2022	31/1/2022	Task Completed						
	Material Delivery	15/12/2022	1/10/2022	31/3/2022	31/10/2022	Task Completed						
	Installation Work	15/3/2022	1/11/2022	30/10/2022	14/12/2022							
	Testing & Commissioning	1/11/2022	15/12/2022	15/11/2022	31/12/2022							
MFB No.2	Rail Beam Installation at Basement 2	12/5/2023	22/5/2023	11/7/2023								
	MVAC Installation at Basement 2	8/5/2023	8/5/2023	7/7/2023								
	Fire Services Installation at Basement 2	8/5/2023	8/5/2023	7/7/2023								
	Plumbing Services Installation at Basement 2	8/5/2023	8/5/2023	7/7/2023								
Section 3 of Works												
6B.2.12 Provision of New Replacement Filter Plates	Submission of onsite survey plan for acceptance	1/3/2020	25/3/2020	30/3/2020	21/4/2020	Task Completed				100%	-	Bestwise resubmitted onsite survey plan on 21 April 2020
	Acceptance of submission of onsite survey plan	1/3/2020	25/3/2020	30/3/2020	12/5/2020	Task Completed				100%	-	Survey plan acceptance received on 12 May 2020. Onsite discussion with ST1 was
	Submission of onsite survey report	21/5/2020	21/5/2020	29/5/2020	29/5/2020	Task Completed				100%		
	Acceptancce of onsite survey report	30/5/2020	30/5/2020	15/6/2020	15/6/2020	Task Completed				-		
	Preparation of procurement package (C11)	22/6/2020	22/6/2020	6/7/2020	14/7/2020	Task Completed				100%		
	Tender invitation (C11)	15/7/2020	15/7/2020	22/7/2020	24/7/2020	Task Completed				100%		
	Tender Award (C11)	23/7/2020	25/7/2020	29/7/2020	31/7/2020	Task Completed				100%		Revised survey report (second draft) was sent to AECOM on 21 Oct 2020. Technical
6B.2.12 Provision of New Replacement Filter Plates for Existing Membrane Filter Presses at Existing Sludge Press House	Material Submission	21/8/2020	21/8/2020	28/8/2020	7/12/2020	Task Completed				100%		Material submission (Rev.1) resubmitted on 7 Dec 2020. AECOM accepted subject to comments on 24 Dec 2020. Material submission (Rev. 2) resubmitted on 12 Jan 2021. AECOM accepted subject to comment on 22 Jan 2021.
6B.2.12 Provision of New Replacement Filter Plates for Existing Membrane Filter Presses at Existing Sludge Press House	Material Delivery	1/12/2020	1/12/2020	8/8/2021	13/7/2021	Task Completed				-		Handed over to DSD.
	Completion Date of Section 3: 22 September 2021											
Subcontracting												
	Submission of subletting package for acceptance	1/1/2020	6/3/2020	30/3/2020	6/3/2020	Task Completed				100%	-	
	Acceptance of subletting package	1/3/2020	21/3/2020	30/3/2020	21/3/2020	Task Completed				100%	-	
	Tender invitation	1/3/2020	24/3/2020	1/4/2020	30/3/2020	Task Completed				100%	-	
	Tender award	22/3/2020		14/4/2020	6/4/2020	Task Completed				100%	-	Bestwise submitted tender report on 6 April 2020
	Acceptance of tender award	-	-	-	15/4/2020	Task Completed				100%		AECOM accepted tender report on 15 April 2020
Construction of *Contractor*'s site accommodation in WA1-C	Design of MiC	15/4/2020	16/4/2020	1/6/2020	15/8/2020	Task Completed				100%		Revised layout drawings received from AluHouse on 28 May 2020. Comments provided to AluHouse on 2 June 2020.
	Submission of detailed design including foundation works, septic tank	1/7/2020	1/7/2020	14/7/2020	4/9/2020	Task Completed				100%		Design calculation of foundation work was submitted on 7 July 2020, comment received on 27 July 2020. Bestwise to resubmit.
	Site Clearence Work	15/7/2020	20/7/2020	31/7/2020	15/8/2020	Task Completed				100%		Tender invitation commenced on 29 May 2020 and tenders received on 4 June 2020. Tender
	Off-site fabrication of Septic tank	15/7/2020	20/7/2020	31/7/2020	31/7/2020	Task Completed				100%		Site clearence work started on 20 July 2020
	Submission of method statement with ICE certificate	1/8/2020	1/8/2020	7/8/2020	8/10/2020	Task Completed				100%		CV of ICE was submitted on 4 August 2020 and accepted on 25 August 2020
	Submission of design calculation with ICE certificate	1/8/2020	1/8/2020	7/8/2020	8/10/2020	Task Completed				100%		Design calculation of foundation work was submitted on 7 July 2020, comment received on
	Acceptance of method statement and design calculation	8/8/2020	9/10/2020	14/8/2020	16/10/2020	Task Completed				100%		Method Statement and Design Calculation was submitted on 8 Oct 2020.
	Submission of method statement with ICE certificate	1/8/2020	1/8/2020	7/8/2020	23/11/2020	Task Completed				100%		
	Submission of design calculation with ICE certificate	1/8/2020	1/8/2020	7/8/2020	23/11/2020	Task Completed				100%		
	Acceptance of method statement and design calculation	8/8/2020	24/11/2020	14/8/2020	27/11/2020	Task Completed				100%		
	Excavation work	17/8/2020	21/10/2020	18/8/2020	21/10/2020	Task Completed				100%		
	Installation of septic tank	19/8/2020	21/10/2020	20/8/2020	22/10/2020	Task Completed				100%		

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		Contract Planned Commencement Date	Anticipated / Actual Commencement Date	Contract Planned Finish Date	Anticipated / Actual Finish Date	% of time elapsed based on "updated date")	Unit	Total Quantity	Completed Quantity	Actual Progress %		
	Construction of RC foundation	21/8/2020	23/10/2020	31/8/2020	12/11/2020	Task Completed				100%		
	Off-site fabrication and delivery of MiC Office	1/6/2020	30/9/2020	31/7/2020	4/12/2020	Task Completed				100%		
	On-site installation of MiC Office	1/8/2020	4/12/2020	30/8/2020	5/1/2021	Task Completed				100%		
	Installation of car park shelter	4/1/2021	7/1/2021	11/1/2021	9/1/2021	Task Completed				100%		Subject to the completion of car park shelter of PM office and JEC office.
04SC003 - Building Information Modeling (BIM)	Submission of subletting package for acceptance (C9)	1/3/2020	25/3/2020	14/3/2020	25/3/2020	Task Completed				100%	-	
	Acceptance of subletting package (C9)	14/3/2020	2/4/2020	30/3/2020	2/4/2020	Task Completed				100%	-	
	Tender invitation (C9)	1/4/2020	1/4/2020	8/4/2020	9/4/2020	Task Completed				100%	-	
	Tender award (C9)	-	-	-	15/4/2020	Task Completed				100%	-	Bestwise submitted tender report on 15 April 2020
	Submission of subletting package for acceptance	14/3/2020	16/3/2020	30/3/2020	20/4/2020	Task Completed				100%	-	Bestwise resubmitted on 20 April 2020
	Acceptance of subletting package	28/3/2020	4/5/2020	13/4/2020	13/5/2020	Task Completed				100%	-	AECOM accepted subletting package on 13 May 2020
	Tender invitation	11/4/2020	19/6/2020	27/4/2020	26/6/2020	Task Completed				-		Invitation to tender was commenced on 19 June 2020 and tender returned on 26 June 2020
	Tender award	25/4/2020	27/6/2020	11/5/2020	4/7/2020	Task Completed				-		Bestwise submitted tender report on 30 June 2020
	Acceptance of tender award	-	-	-	18/7/2020					-		
04SC007 - Independent Beam Plus Consultant	Submission of subletting package for acceptance	1/3/2020	30/3/2020	14/3/2020	30/3/2020	Task Completed				100%	-	
	Acceptance of subletting package	14/3/2020	3/4/2020	30/3/2020	3/4/2020	Task Completed				100%	-	
	Tender invitation	30/3/2020	30/3/2020	9/4/2020	9/4/2020	Task Completed				100%	-	
	Tender award	-	-	-	15/4/2020	Task Completed				100%	-	Bestwise submitted tender report on 15 April 2020
	Acceptance of tender award	-	-	-	17/4/2020	Task Completed				100%	-	AECOM accepted tender report on 17 April 2020
	Introduction meeting with IBPC, Cinotech	-	-	-	28/4/2020	Task Completed				100%	-	Meeting completed on 28 April 2020 followed by planning work progress
04SC008 - Design, Supply and Installation of detailed	Submission of subletting package for acceptance (C9)	1/4/2020	17/3/2020	14/4/2020	17/3/2020	Task Completed				100%	-	Bestwise submitted subletting package on 3 April 2020
	Acceptance of subletting package (C9)	14/4/2020	17/4/2020	30/4/2020	28/4/2020	Task Completed				100%	-	AECOM accepted subletting package on 28 April 2020
	Tender invitation (C9)	30/4/2020	6/5/2020	14/5/2020	28/5/2020	Task Completed				100%	-	Invitation to tender was commenced on 6 May 2020 and tender returned on 28 May 2020
	Tender award (C9)	14/5/2020	29/5/2020	30/5/2020	9/6/2020	Task Completed				100%	-	Bestwise submitted tender report on 9 June 2020.
Temporary Primary Sludge Thickener and its	Submission of subletting package (C9) for acceptance	15/05/2020 ->	14/8/2020	15/05/2020 -	27/8/2020	Task Completed				100%	Bestwise	- *=Corresponding PMI No.009 and CE No.009 were issued by AECOM on 14 July 2020.
	Acceptance of subletting package (C9) (Mech)	30/05/2020 -> 30/7/2020*	15/8/2020	15/06/2020- > 15/8/2020*	16/9/2020	Task Completed				100%		- *=Corresponding PMI No.009 and CE No.009 were issued by AECOM on 14 July 2020. CE was implemented on 15 July 2020.
	Tender invitation (C9) (Mech)	15/06/2020-> 15/8/2020*	9/9/2020	22/06/2020- > 22/8/2020*	14/10/2020	Task Completed				100%		- *=Corresponding PMI No.009 and CE No.009 were issued by AECOM on 14 July 2020. CE was implemented on 15 July 2020. - Tender invitation for FRP Tank was conducted on 9 Sep 2020, tender returned on 16 Sep 2020. - Tender invitation for mechanical installation was conducted on 29 Sept 2020, tender returned on 14 Oct 2020,
	Tender award (C9) (Mech)	22/06/2020-> 22/8/2020*	17/9/2020	29/06/2020- > 29/8/2020*	22/10/2020	Task Completed				100%		- *=Corresponding PMI No.009 and CE No.009 were issued by AECOM on 14 July 2020. CE was implemented on 15 July 2020. - Tender report for FRP Tank was submitted on 24 Sep 2020 and accepted on 9 Oct 2020. - Tender report for mechanical installation submitted on 22 Oct 2020 and accepted on 16 Nov 2020.
	Acceptance of tender award (C9) (Mech)	-	-	-	16/11/2020	Task Completed				100%		
	Submission of subletting package (C9) for acceptance (Elect)	15/05/2020 -> 15/7/2020*	9/12/2020	15/05/2020 - > 30/11/2020*	28/1/2021	Task Completed				100%		- *=Corresponding PMI No.009 and CE No.009 were issued by AECOM on 14 July 2020. CE was implemented on 15 July 2020. - Bestwise resubmitted subcontracting package of electrical installation on 28 Jan 2021
	Acceptance of subletting package (C9) (Elect)	30/05/2020 -> 30/7/2020*	29/1/2021	15/06/2020- > 15/8/2020*	1/2/2021	Task Completed				100%		- *=Corresponding PMI No.009 and CE No.009 were issued by AECOM on 14 July 2020. CE was implemented on 15 July 2020.
	Tender invitation (C9) (Elect)	15/06/2020-> 15/8/2020*	1/2/2021	22/06/2020- > 22/8/2020*	11/2/2021	Task Completed				100%		- *=Corresponding PMI No.009 and CE No.009 were issued by AECOM on 14 July 2020. CE was implemented on 15 July 2020. - Tender invitation commenced on 1 Feb 2021 and returned on 11 Feb 2021
	Tender award (C9) (Elect)	22/06/2020-> 22/8/2020*	11/2/2021	29/06/2020- > 29/8/2020*	23/2/2021	Task Completed				100%		- *=Corresponding PMI No.009 and CE No.009 were issued by AECOM on 14 July 2020. CE was implemented on 15 July 2020. - Tender report target submitted on 23 Feb 2021 and accepted on 24 Feb 2021
	Acceptance of tender award (C9) (Elect)	-	-	-	26/2/2021	Task Completed				100%		

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Item	Major Activities & Submission in coming 3 months	Time					Progress (E&M contract)				Action	Remarks / Status
		Contract Planned Commencement Date	Anticipated / Actual Commencement Date	Contract Planned Finish Date	Anticipated / Actual Finish Date	% of time elapsed based on "updated date")	Unit	Total Quantity	Completed Quantity	Actual Progress %		
	Tender invitation (C11)	30/04/2020-> 15/07/2020*	30/4/2020	30/06/2020-> 15/09/2020*	18/11/2020	Task Completed				100%	Bestwise	- *=Corresponding PMI No.009 and CE No.009 were issued by AECOM on 14 July 2020. CE was implemented on 15 July 2020. -Tender invitation of Primary Sludge Thickener commenced on 22 April 2020 and tender was received on 29 April 2020. Tender queries was requested on 5 May 2020 and received on 7 May 2020. Tender report was commented by PM and resubmitted on 22 May 2020. Accepted by AECOM on 12 Jun 2020. - Tender Invitation of process pumps for the thickening system was commenced on 5 Jun 2020 and tenders were received on 10 June 2020. Tender report submitted to PM on 2 July 2020. - Tender Invitation of activated carbon filter was commenced on 22 Oct 2020 and to be returned on 2 Nov 2020. Tender report submitted on 5 Nov 2020 and accepted on 16 Nov 2020 - Tender Invitation of FRP platform was commenced on 13 Nov 2020 and to be returned on 20 Nov 2020. Tender report submitted on 30 Nov 2020 and accepted on 11 Jan 2020 - Tender Invitation of instrument was commenced on 18 Nov 2020 and to be returned on 25 Nov 2020. Tender report submitted on 30 Nov 2020 - Based on the control philosophy agreed on 23 Dec 2020, motorized and solenoid valves were selected.
	Tender award (C11)	15/05/2020-> 29/07/2020*	30/5/2020	15/07/2020->	30/11/2020	Task Completed				100%		- *=Corresponding PMI No.009 and CE No.009 were issued by AECOM on 14 July 2020. CE was implemented on 15 July 2020.
	Acceptance of tender award (C11)	-	-	-	18/9/2020					-		
	Design Submission	03/07/2020 -> 15/07/2020*	5/8/2020	21/09/2020-> 02/10/2020*	10/5/2021	Task Completed				100%	Bestwise	- *=Corresponding PMI No.009 and CE No.009 were issued by AECOM on 14 July 2020. CE was implemented on 15 July 2020. -Design submission of Process Pumps (Rev.3) resubmitted on14 Apr 2021, AECOM accepted with comments on 7 May 2021. -Design submission of electrical calculation (rev.2) was resubmitted on 29 Apr 2021. AECOM accepted with comments on 10 May 2021. -Control Philosophy (Rev.2) resubmitted on 5 Mar 2021. AECOM accepted subject to comments on 26 Mar 2021.
	Plant and Material Submission	21/07/2020 -> 30/07/2020*	21/7/2020	31/08/2020 -> 31/10/2020*	30/6/2021	Task Completed					Bestwise	- *=Corresponding PMI No.009 and CE No.009 were issued by AECOM on 14 July 2020. CE was implemented on 15 July 2020. - Plant and Material submission of primary sludge thickener was resubmitted on 1 Sep 2020 (Rev. 3) and AECOM accepted on 8 Sep 2020. - Plant and Material submission P&M0002 (Rev.2) of process pumps was submitted on 5 August 2020 and AECOM commented on 26 Aug 2020, Bestwise to re-submitted to AECOM. - Plant and Material submission (Rev.0) for valves was submitted on 16 Nov 2020. AECOM accepted on 14 Dec 2020 subject to comments - Plant and Material submission (Rev.1) for DI pipes and fittings was resubmitted on 3 Dec 2020. AECOM accepted on 14 Dec 2020 - Plant and Material submission (Rev.0) for primary sludge equalization tank was submitted on 5 Feb 2021. AECOM accepted subject to comments on 25 Feb 2021. - Plant and Material submission (Rev.0) for activated carbon filter was submitted on 28 Jan 2021. AECOM accepted subject to comments on 5 Feb 2021. - Plant and Material submission (Rev. 1) for instruments was resubmitted on 13 Mar 2021. AECOM accepted subject to comments on 7 Apr 2021.
	Drawing Submission	03/07/2020 -> 30/07/2020*	3/8/2020	21/09/2020 -> 21/11/2020*	10/2/2021	Task Completed				100%	Bestwise	- *=Corresponding PMI No.009 and CE No.009 were issued by AECOM on 14 July 2020. CE was implemented on 15 July 2020. - PFD, P&ID, Schematic GA (Rev.3) resubmitted on 22 Jan 2021 according to the finallized control philosophy. AECOM accepted subject to comment on 29 Jan 2021. - Electrical drawing - Bestwise resubmitted electrical drawing (Rev.5) on 22 Mar 2021. AECOM accepted on 16 Apr 2021.
	Material Manufacturing	31/07/2020 -> 30/09/2020*	4/8/2020	21/10/2020 -> 21/12/2020*	20/4/2021	Task Completed				100%		- *=Corresponding PMI No.009 and CE No.009 were issued by AECOM on 14 July 2020. CE was implemented on 15 July 2020. - Manufacturing instruction of PS thickener was issued on 3 August 2020. - Manufacturing instruction of process pumps was issued on 24 September 2020 - Electrical sub-contractor is awarded and manufacturing LCP
	Material Delivery	05/09/2020 ->	4/11/2020	16/11/2020 -	21/6/2021	Task Completed						

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	Mechanical Installation	01/10/2020 -> 01/12/2020*	2/2/2021	15/11/2020 -> 15/01/2021*	17/5/2021	Task Completed				-		
	Offsite Fabrication and Delivery of FRP Tank		16/1/2021		7/4/2021	Task Completed				100%		First batch to be delivered on 23 Mar 2021
	Onsite Installation of FRP Tank		7/4/2021		30/7/2021	Task Completed						Water filling to tank completed; Tank hydraulic test completed.
	Electrical Installation	01/10/2020 -> 01/12/2020*	19/3/2021	15/11/2020 -> 15/01/2021*	19/7/2021	Task Completed				-		Energize of all LCPs on 24 May 2021 and isolated prior to system commissioning.
Temporary Primary Sludge Thickener and its accessories (Sub-programme was provided by Bestwise)	Testing and Comissioning	15/11/2020 -> 15/01/2021*	8/5/2021	22/11/2020 -> 22/01/2021*	30/9/2022	Completed				-		Improvement works under PMI are on-going and defect rectification for BCM comments was partially completed. - Testing and Commissioning (3 x 24hrs) completed by End September.
Modification of Existing Emergency Generator Electrical Works	Submission of subletting package (C9) for acceptance	15/10/2020	15/10/2020	31/10/2020	11/12/2020	Task Completed				100%		
	Acceptance of subletting package (C9)	1/11/2020	5/11/2020	15/11/2020	2/1/2021	Task Completed				100%		
	Tender invitation (C9)	16/11/2020	26/1/2021	30/11/2020	5/2/2021	Task Completed				100%		Tender invitation commenced on 26 Jan 2021, and returned on 5 Feb 2021
	Tender award (C9)	30/11/2020	18/2/2021	7/12/2020	18/2/2021	Task Completed				100%		Tender report was submitted on 18 Feb 2021 and accepted on 26 Feb 2021
	Acceptance of tender award (C9)	8/12/2020	18/2/2021	15/12/2020	26/2/2021	Task Completed				100%		
	Design Submission	15/12/2020	15/3/2021	15/1/2021	23/4/2021	Task Completed				100%		DWG-0100 was submitted on 23 Apr 2021. AECOM accepted with comments on 30 Apr
	Transportation of existing dismantled genset no. 2 (Genset No.2) to subcontractor (Click Ltd.)'s workshop	9/3/2021	9/3/2021	9/3/2021	9/3/2021	Task Completed				100%		
	Drawing submission (Drawing of General Layout for Existing 600kVA Genset Container)	23/4/2021	23/4/2021	30/4/2021	30/4/2021	Task Completed				100%		
	Drawing submission (Cable route ,general arrangement, etc)	14/5/2021	28/5/2021	21/5/2021	5 July 2021	Task Completed				100%		
	Material submission P431 P&M-0087	21 May 2021	19 June 2021	28 May 2021	12 July 2021	Task Completed				100%		
	Fabrication of container at PRC	21 June 2021	21 June 2021	TBC	12/8/2021	Task Completed				100%		
	Container deliver to HK	TBC	12/8/2021	10/8/2021	12/8/2021	Task Completed				100%		
	Off site modification work at HK factory	TBC	16/8/2021	24/8/2021	24/8/2021	Task Completed				100%		
	FAT plan of modified Genset No.2 P431 MS-036	12/7/2021	12/7/2021	20/8/2021	20/8/2021	Task Completed				100%		
	FAT of Genset No.2 after modification works	25/8/2021	25/8/2021	25/8/2021	25/8/2021	Task Completed				100%		
	Installation Work of I-beam Support	26/8/2021	26/8/2021	26/8/2021	26/8/2021	Task Completed				100%		
	Transportation of Genset No. 2 to existing power house in SWHSTW and completion of the Genset No.2 installation on I-beam supporting frame	27/8/2021	27/8/2021	27/8/2021	27/8/2021	Task Completed				100%		
	Provision of one (1) can of 160L diesel and a diesel hand pump placed at diesel daily tank of Genset No.1 for standby top up (PPMI-012 item L) Location to be coordinated and advised by SWHSTW operator DSD/ST1	27/7/2021	27/7/2021	31/8/2021								Location to be further coordinated with DSD.
	Modification works of existing switchboard	1/9/2021	1/9/2021	8/9/2021	8/9/2021	Task Completed				100%		
	Cables (including control cable and power cables) laying and installation of cable containment, busbar chamber	21/7/2021	30/7/2021	8/9/2021	8/9/2021	Task Completed				100%		
	Supply of busbar chamber/ connection box	10/8/2021	10/8/2021	3/9/2021	3/9/2021	Task Completed				100%		
	Completion of all Genset cables and cable termination work to existing power house in SWHSTW after the completion of Genset No. 2 installation work	1/9/2021	1/9/2021	8/9/2021	8/9/2021	Task Completed				100%		
	Delivery of dummy load and self-test	9/9/2021	9/9/2021	14/9/2021	15/9/2021	Task Completed				100%		
	SAT and T&C (witness by AECOM and DSD/ST1) Please allow 1 week advance notice for coordination with DSD/ST1, e.g. genset signal start, etc.)	15/9/2021	15/9/2021	15/9/2021	16/9/2021	Task Completed				100%		
04SC009 - Design, Supply and Installation of HVSB	Submission of subletting package for acceptance	21/4/2020		1/5/2020		-						
	Acceptance of subletting package	21/5/2020		30/5/2020		-						

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		Contract Planned Commencement Date	Anticipated / Actual Commencement Date	Contract Planned Finish Date	Anticipated / Actual Finish Date	% of time elapsed based on "updated date")	Unit	Total Quantity	Completed Quantity	Actual Progress %		
	Tender invitation	1/6/2020		14/6/2020		-						
	Tender award	1/7/2020		14/7/2020		-						
04SC010 - Design, Supply and Installation of LVSB	Submission of subletting package for acceptance	1/5/2020		14/5/2020		-						
	Acceptance of subletting package	1/6/2020		14/6/2020		-						
	Tender invitation	14/6/2020		30/6/2020		-						
	Tender award	1/7/2020		14/7/2020		-						
04SC011 - Design and Installation of Building	Submission of subletting package for acceptance	14/4/2020		30/4/2020		-						
	Acceptance of subletting package	14/5/2020		30/5/2020		-						
	Tender invitation	30/5/2020		14/6/2020		-						
	Tender award	21/6/2020		30/6/2020		-						
04SC012 - Facility Computerized Systems	Submission of subletting package for acceptance	14/5/2020		30/5/2020		-						
	Acceptance of subletting package	14/6/2020		30/6/2020		-						
	Tender invitation	1/7/2020		14/7/2020		-						
	Tender award	21/7/2020		14/8/2020		-						
Plant and Materials (Marking Scheme)												
PS Clause no. 6B.2.1 Inlet Pump	Submission of marking scheme for PM's acceptance (fourth draft)	1/5/2020	1/5/2020	1/9/2020	19/8/2020	Task Completed				100%		AECOM commented on 14 August 2020, Bestwise resubmitted on 19 Aug 2020.
	Submission of marking scheme for PM's acceptance	1/5/2020	1/5/2020	1/9/2020	19/8/2020	Task Completed				100%		Bestwise resubmitted on 19 Aug 2020.
	Acceptance of marking scheme by the PM	15/5/2020	20/8/2020	15/9/2020	1/9/2020	Task Completed				100%		AECOM accepted on 1 Sep 2020
	Tender invitation	29/5/2020	9/9/2020	29/9/2020	18/9/2020	Task Completed				100%		Tender invitation was conducted on 9 Sept 2020 and returned on 18 Sept 2020.
PS Clause no. 6B.2.1 Inlet Pump	Tender award	5/6/2020	19/9/2020	5/10/2020	7/10/2020	Task Completed				100%		Technical Submission Evaluation Report was submitted on 5 Oct 2020, Tender report was submitted on 7 Oct 2020. AECOM noted on 8 Oct 2020.
	Acceptance of tender award	19/6/2020	17/10/2020	19/10/2020	15/11/2020	Task Completed				-		
	Submission of marking scheme for PM's acceptance (third draft)	1/5/2020	14/5/2020	1/9/2020	19/8/2020	Task Completed				100%		AECOM commented on 14 August 2020, Bestwise resubmitted on 19 Aug 2020
	Submission of marking scheme for PM's acceptance	1/5/2020	14/5/2020	1/9/2020	19/8/2020	Task Completed				100%		Bestwise resubmitted on 19 Aug 2020
PS Clause no. 6B.2.4 MBR Pre-treatment Screen	Acceptance of marking scheme by the PM	15/5/2020	20/8/2020	15/9/2020	1/9/2020	Task Completed				100%		AECOM accepted on 1 Sep 2020
	Tender invitation	29/5/2020	20/11/2020	29/9/2020	11/12/2020	Task Completed				100%		Tender invitation was conducted on 20 Nov 2020 and returned on 11 Dec 2020. Tender
	Tender award	5/6/2020	13/12/2020	5/10/2020	3/3/2021	Task Completed				100%		Technical Submission Evaluation Report was submitted on 12 Jan 2021. AECOM noted on 22 Jan 2021. Tender Report was submitted on 4 Feb 2021, AECOM commented on 19 Feb 2021, Bestwise submitted supplementary information on 26 Feb 2021. AECOM noted on 3 Mar
PS Clause no. 6B.2.4	Submission of marking scheme for PM's acceptance	1/5/2020	14/5/2020	1/9/2020	2/9/2020	Task Completed				100%		AECOM commented on 1 September 2020, Bestwise resubmitted on 2 Sep 2020
	Submission of marking scheme for PM's acceptance	1/5/2020	3/9/2020	1/9/2020	2/9/2020	Task Completed				100%		Bestwise resubmitted on 2 Sep 2020
PS Clause no. 6B.2.4 Air Diffusion System	Acceptance of marking scheme by the PM	15/5/2020	20/8/2020	15/9/2020	1/9/2020	Task Completed				100%		AECOM accepted on 1 Sep 2020, subject to conditions.
	Tender invitation	29/5/2020	17/2/2021	29/9/2020	12/3/2021	Task Completed				100%		Procurement package would follow the approved format (i.e. aeration blower) Tender invitation was conducted on 17 Feb 2021. Addendum No. 1 was issued on 18 Feb 2021. Tender return date was extended from 26 Feb 2021 to 12 Mar 2021. Tender returned on 12 Mar 2021
	Tender award	5/6/2020	18/3/2021	5/10/2020	20/4/2021	Task Completed				-		Technical Submission Evaluation Report was submitted on 18 Mar 2021. AECOM noted on 30 Mar 2021. Tender Report was submitted on 8 Apr 2021. LOI was issued to supplier.
	Acceptance of tender award	19/6/2020	20/2/2021	19/10/2020	12/3/2021	Task Completed				-		
PS Clause no. 6B.2.4	Submission of marking scheme for PM's acceptance	14/5/2020	14/5/2020	14/9/2020	19/8/2020	Task Completed				100%		AECOM commented on 14 August 2020, Bestwise resubmitted on 19 Aug 2020
	Submission of marking scheme for PM's acceptance	14/5/2020	14/5/2020	14/9/2020	19/8/2020	Task Completed				100%		Bestwise resubmitted on 19 Aug 2020
PS Clause no. 6B.2.4 BR Aeration Blower	Acceptance of marking scheme by the PM	28/5/2020	20/8/2020	28/9/2020	1/9/2020	Task Completed				100%		AECOM accepted on 1 Sep 2020
	Tender invitation	11/6/2020	3/2/2021	12/10/2020	3/3/2021	Task Completed				100%		Procurement package was submitted to AECOM under CGS-066. AECOM replied on 29 Jan 2021. Tender invitation was conducted on 3 Feb 2021. Tender returned on 3 Mar 2021
	Tender award	18/6/2020	4/3/2021	19/10/2020	12/4/2021	Task Completed				-		Technical Submission Evaluation Report was submitted on 10 Mar 2021. AECOM noted on 19 Mar 2021. Tender Report was submitted on 24 Mar 2021. LOI was issued to supplier.
	Acceptance of tender award	2/7/2020	4/3/2021	2/11/2020	25/3/2021	Task Completed				-		AECOM accepted on 1 Sep 2020, subject to conditions.
PS Clause no. 6B.2.4	Submission of marking scheme for PM's acceptance	14/5/2020	1/5/2020	14/9/2020	2/9/2020	Task Completed				100%		AECOM commented on 1 September 2020, Bestwise resubmitted on 2 Sep 2020
	Submission of marking scheme for PM's acceptance	14/5/2020	3/9/2020	14/9/2020	2/9/2020	Task Completed				100%		Bestwise resubmitted on 2 Sep 2020

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	Acceptance of marking scheme by the PM	28/5/2020	3/9/2020	28/9/2020	5/9/2020	Task Completed				100%		AECOM accepted on 5 Sep 2020 subject to conditions.
	Tender invitation	11/6/2020	14/9/2020	12/10/2020	5/10/2020	Task Completed				100%		Tender invitation was conducted on 14 Sept 2020 and returned on 5 Oct 2020.
PS Clause no. 6B.2.4 Membrane Modules, Cassettes / Racks	Tender award	18/6/2020	6/10/2020	19/10/2020	2/11/2020	Task Completed				100%		Technical Submission Evaluation Report was submitted on 14 Oct 2020, Tender report was submitted on 2 Nov 2020. AECOM noted on 4 Nov 2020.
	Acceptance of tender award	2/7/2020	3/11/2020	2/11/2020	24/11/2020	Task Completed				-		
	Submission of marking scheme for PM's acceptance (second draft)	14/5/2020	14/5/2020	14/9/2020	19/8/2020	Task Completed				100%		AECOM commented on 14 August 2020, Bestwise resubmitted on 19 Aug 2020
	Submission of marking scheme for PM's acceptance	14/5/2020	14/5/2020	14/9/2020	19/8/2020	Task Completed				100%		Bestwise resubmitted on 19 Aug 2020
	Acceptance of marking scheme by the PM	28/5/2020	20/8/2020	28/9/2020	1/9/2020	Task Completed				100%		AECOM accepeted on 1 Sep 2020
	Tender invitation	11/6/2020	25/9/2020	12/10/2020	29/10/2020	Task Completed				100%		Tender invitation was conducted on 25 Sept 2020 and returned on 29 Oct 2020.
PS Clause no. 6B.2.4 RAS Pump	Tender award	18/6/2020	30/10/2020	19/10/2020	2/12/2020	Task Completed				100%		Technical Submission Evaluation Report was submitted on 6 Nov 2020. Tender report was submitted on 24 Nov 2020, AECOM noted on 2 Dec 2020.
	Acceptance of tender award	2/7/2020	21/11/2020	2/11/2020	12/12/2020	Task Completed				-		
Usage of WA2-A		-		21/2/2020	21/2/2020	Task Completed				-		Site works including fencing and site clearnace works to be completed by DC/2018/06 by 30/4/2020 WA2C handovered to Bestwise on 21 February 2020

Appendix 2.1

Layout Plans of Construction Activities

April 2023

Site Record Photos

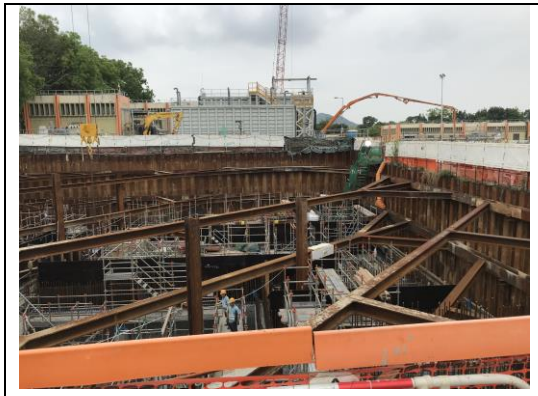
DC/2018/06

			
SD&THP	CHP	SDB	Outfall

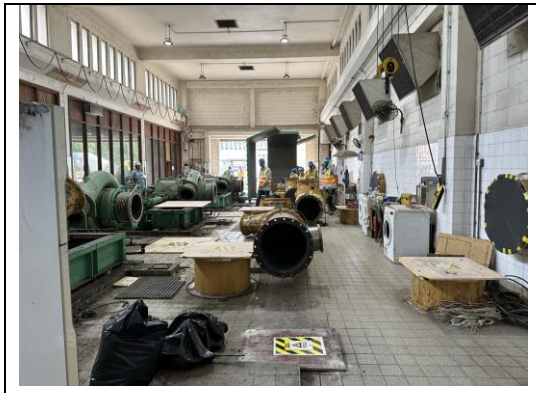
DC/2018/07

			
BR2	MFB	PST	Inlet

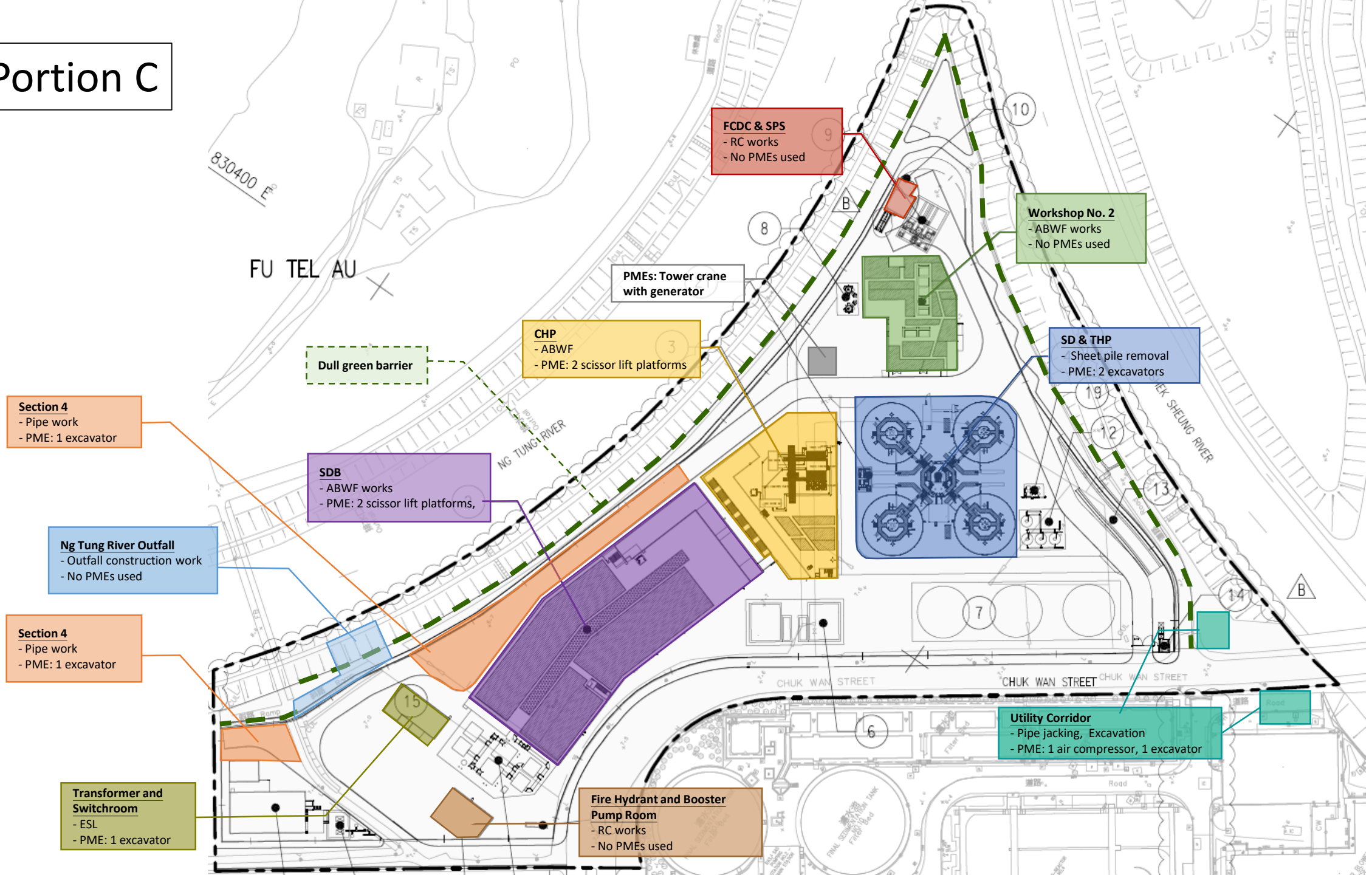
DE/2018/03

	
Sidestream	Bio Gas Tank

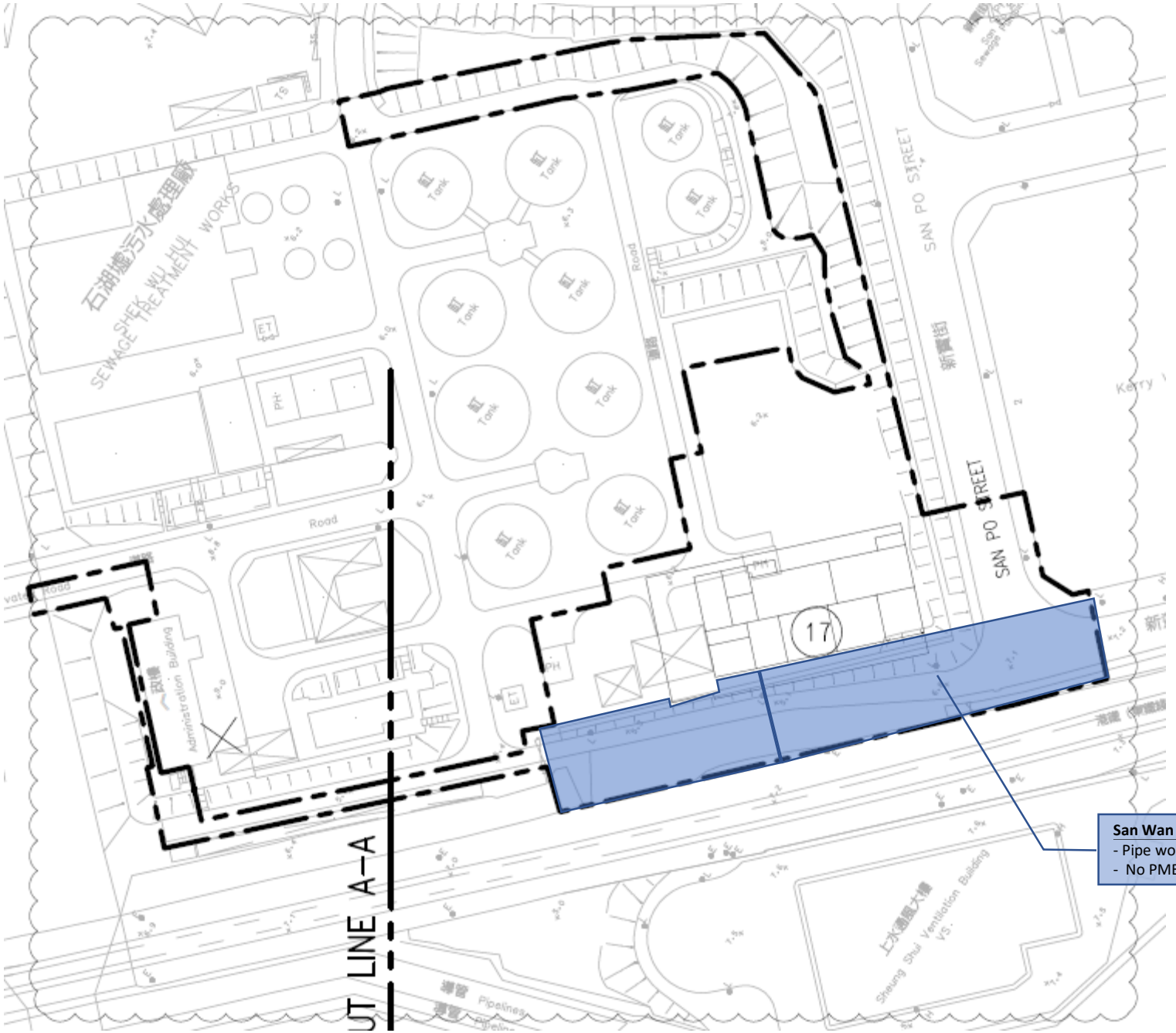
DE/2018/04


Compressor House

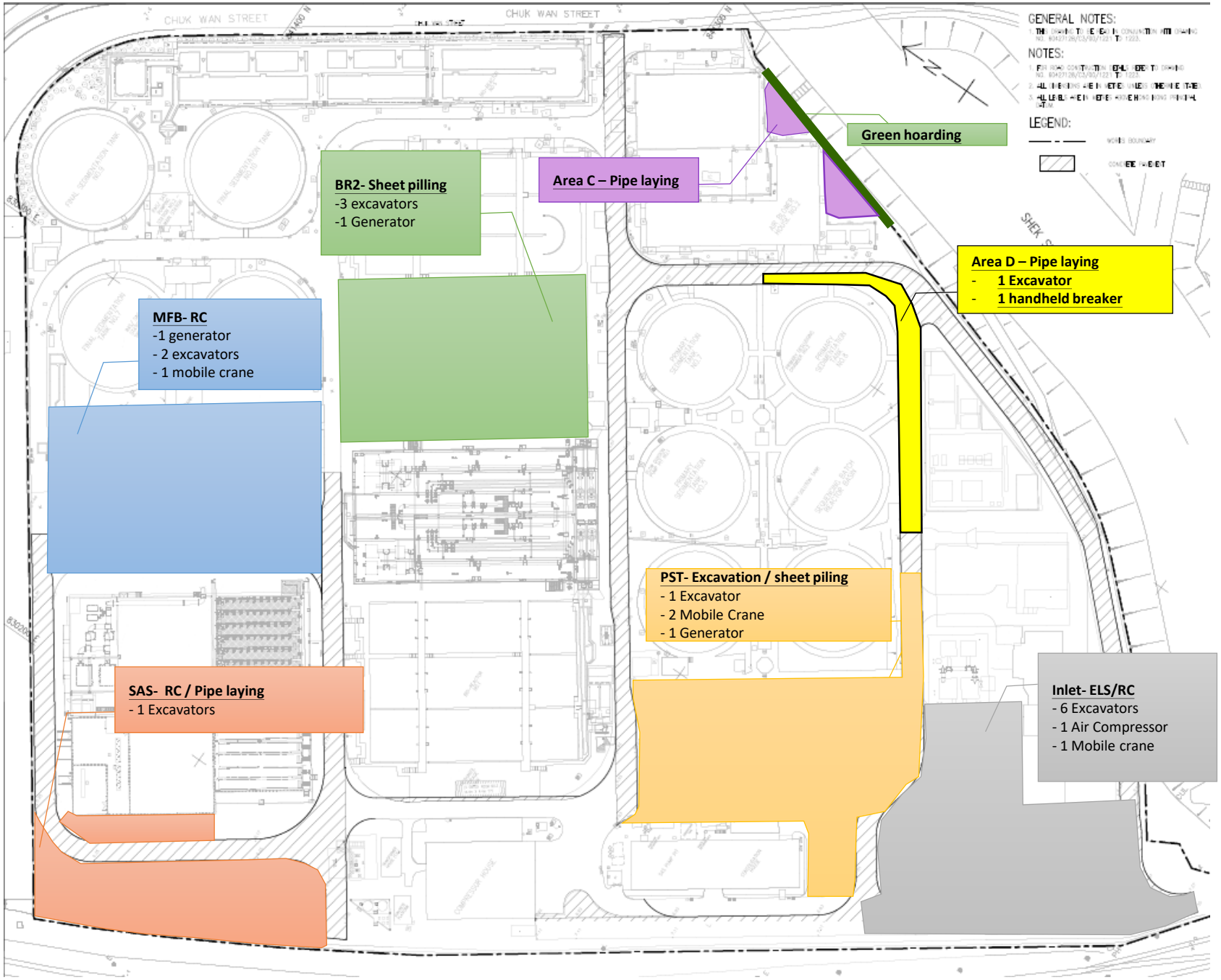
Portion C


FU TEL AU
830400 E
NG TUNG RIVER
SHEUNG YUE RIVER
CHUK WAN STREET
CHUK WAN STREET
CHUK WAN STREET
FCDC & SPS
- RC works
- No PMEs used
Workshop No. 2
- ABWF works
- No PMEs used
PMEs: Tower crane with generator
CHP
- ABWF
- PME: 2 scissor lift platforms
Dull green barrier
SD & THP
- Sheet pile removal
- PME: 2 excavators
Section 4
- Pipe work
- PME: 1 excavator
SDB
- ABWF works
- PME: 2 scissor lift platforms,
Ng Tung River Outfall
- Outfall construction work
- No PMEs used
Section 4
- Pipe work
- PME: 1 excavator
Utility Corridor
- Pipe jacking, Excavation
- PME: 1 air compressor, 1 excavator
Transformer and Switchroom
- ESL
- PME: 1 excavator
Fire Hydrant and Booster Pump Room
- RC works
- No PMEs used

Portion A


SHEK WU HUI SEWAGE TREATMENT WORKS
石湖墟污水處理廠
SAN PO STREET
Road
Tank
Administration Building
17
UT LINE A–A
Pipelines
Sheung Shui Ventilation Building
上水通風大樓
San Wan Road
- Pipe works
- No PMEs used

Portion B


CHUK WAN STREET
CHUK WAN STREET
GENERAL NOTES:
NOTES:
LEGEND:
Green hoarding
BR2- Sheet pilling
-3 excavators
-1 Generator
Area C – Pipe laying
Area D – Pipe laying
- 1 Excavator
- 1 handheld breaker
MFB- RC
-1 generator
- 2 excavators
- 1 mobile crane
PST- Excavation / sheet piling
- 1 Excavator
- 2 Mobile Crane
- 1 Generator
SAS- RC / Pipe laying
- 1 Excavators
Inlet- ELS/RC
- 6 Excavators
- 1 Air Compressor
- 1 Mobile crane

Project Management Initials: Designer: KYTM Checked: TLST Approved: ELIM

ISO A1 594mm x 841mm

841600 N

841400 N

830400 E

830200 E

FU TEL AU

SHEUNG SHUI HEUNG

SHEUNG SHUI SLAUGHTER HOUSE

NG TUNG RIVER

SHEK SHEUNG RIVER

PO WAN ROAD

CHUK WAN STREET

MTR (EAST RAIL LINE)

SPS PS
Penstock and Stoplog Installation

Workshop No.2
Electrical Installation
PME: Generator X1

CHP
EOT and Monorail Installation

THP
Delivery and Installation of THP System
PME:GeneratorX1

SDB
MFA and AFA Installation at SDB
SPR Installation at SDB
Plumbing installation at SDB
EOT and Monorail Installation at SDB

Bio-gas Tank
Bio-Gas Holding tank Installation
PME:GeneratorX2

Solid Dull Green Barrier

Sidestream Superstructure

PME:
Generator X2
Tower Crane X1

SAS
Monorail Installation

NOTES:

1. DRAWINGS ARE NOT TO BE SCALED. ALL DIMENSIONS SHALL BE VERIFIED ON SITE PRIOR TO COMMENCEMENT OF CONSTRUCRION
2. ALL LEVELS SHOWN ARE IN METERS AND REFER TO THE PRINCIPAL DATAM.
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7. EXACT TIE-IN WITH EXISTING FEATURES SHALL BE AGREED WITH THE SUPERVISOR.

LEGEND:

	SITE BOUNDARY
1	UV SYSTEM NO. 1 & EFFLUENT PUMPING STATION NO. 1
2	SLUDGE DEWATERING BUILDING
3	COMBINED HEAT & POWER BUILDING
4	SLUDGE DIGESTER
5	WORKSHOP NO. 2
6	THERMAL HYDROLYSIS PRETREATMENT FACILITIES
7	BIOGAS HOLDING TANKS
8	WASTE GAS BURNER
9	SEWAGE PUMPING STATION
10	FERRIC CHLORIDE DOSING FACILITIES
11	WATER METER CABINET
12	H2S REMOVAL SYSTEM
13	UNDERPASS (PART)
14	GUARD HOUSE
15	TRANSFORMER AND SWITCHROOM
16	FIRE HYDRANT AND BOOSTER PUMP ROOM
18	DEODORIZATION SYSTEM NO. 11
19	DEODORIZATION SYSTEM NO. 12
20	PLANT SERVICES WATER SYSTEM
21	THP COOLERS PUMPING STATION
22	SIDESTREAM TREATMENT FACILITIES
23	SURPLUS ACTIVATED SLUDGE PUMPING STATION
24	EXISTING CONSOLIDATION HOUSE

AECOM

PROJECT
項目

SHEK WU HUI EFFLUENT POLISHING PLANT

CONTRACT TITLE
SHEK WU HUI EFFLUENT POLISHING PLANT - MAIN WORKS STAGE 1 - SIDESTREAM TREATMENT FACILITIES AND E&M WORKS FOR SLUDGE TREATMENT FACILITIES

CLIENT
業主

渠務署
Drainage Services Department

CONSULTANT
工程顧問公司

AECOM Asia Company Ltd.
www.aecom.com

SUB-CONSULTANTS
分判工程顧問公司

ISSUE/REVISION
修訂

I/R 修訂	DATE 日期	DESCRIPTION 內容摘要	CHK. 核核
-	MAR. 19	TENDER DRAWING	TLST

STATUS
階段

SCALE 比例
A1 1 : 1000

DIMENSION UNIT 尺寸單位
METRES

KEY PLAN
索引圖

PROJECT NO. 項目編號
60427128

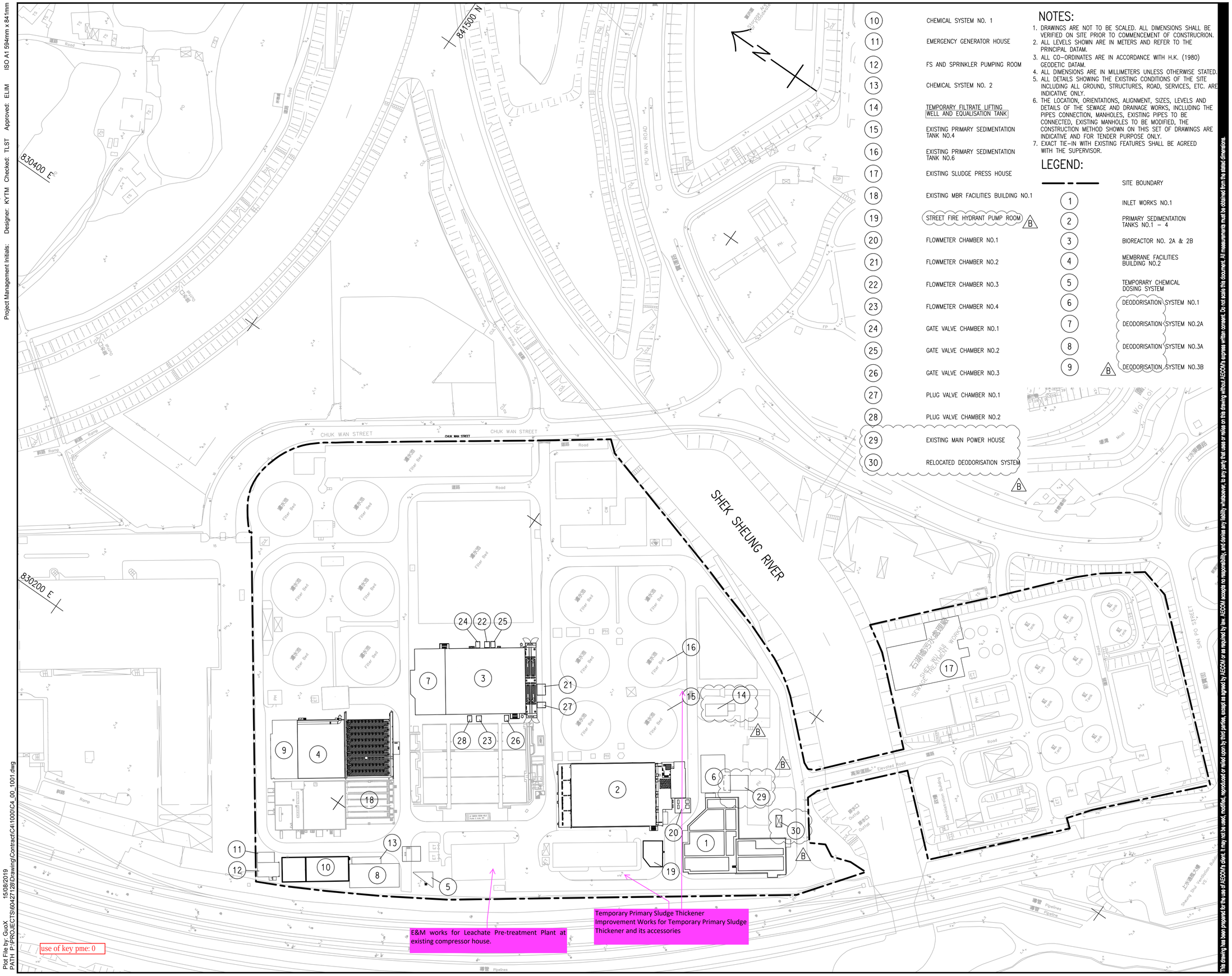
CONTRACT NO. 合約編號
DE/2018/03

SHEET TITLE
圖紙名稱
SHEK WU HUI EFFLUENT POLISHING PLANT GENERAL LAYOUT PLAN

SHEET NUMBER
圖紙編號
60427128/C2/00/1001

Plot File by: GuoX 26/03/2019
PATH: P:\PROJECTS\60427128\Drawing\Contract\C2\1000\C2_00_1001.dwg

Project Management Initials: KYTM Designer: KYTM Checked: TLST Approved: ELIM ISO A1 594mm x 841mm



10 CHEMICAL SYSTEM NO. 1
11 EMERGENCY GENERATOR HOUSE
12 FS AND SPRINKLER PUMPING ROOM
13 CHEMICAL SYSTEM NO. 2
14 TEMPORARY FILTRATE LIFTING WELL AND EQUALISATION TANK
15 EXISTING PRIMARY SEDIMENTATION TANK NO.4
16 EXISTING PRIMARY SEDIMENTATION TANK NO.6
17 EXISTING SLUDGE PRESS HOUSE
18 EXISTING MBR FACILITIES BUILDING NO.1
19 STREET FIRE HYDRANT PUMP ROOM B
20 FLOWMETER CHAMBER NO.1
21 FLOWMETER CHAMBER NO.2
22 FLOWMETER CHAMBER NO.3
23 FLOWMETER CHAMBER NO.4
24 GATE VALVE CHAMBER NO.1
25 GATE VALVE CHAMBER NO.2
26 GATE VALVE CHAMBER NO.3
27 PLUG VALVE CHAMBER NO.1
28 PLUG VALVE CHAMBER NO.2
29 EXISTING MAIN POWER HOUSE
30 RELOCATED DEODORISATION SYSTEM

NOTES:

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7. EXACT TIE-IN WITH EXISTING FEATURES SHALL BE AGREED WITH THE SUPERVISOR.

LEGEND:

SITE BOUNDARY
1 INLET WORKS NO.1
2 PRIMARY SEDIMENTATION TANKS NO.1 – 4
3 BIOREACTOR NO. 2A & 2B
4 MEMBRANE FACILITIES BUILDING NO.2
5 TEMPORARY CHEMICAL DOSING SYSTEM
6 DEODORISATION SYSTEM NO.1
7 DEODORISATION SYSTEM NO.2A
8 DEODORISATION SYSTEM NO.3A
9 B DEODORISATION SYSTEM NO.3B

AECOM

PROJECT 項目

SHEK WU HUI EFFLUENT POLISHING PLANT

CONTRACT TITLE
SHEK WU HUI EFFLUENT POLISHING PLANT - MAIN WORKS STAGE 1 - E&M WORKS FOR SEWAGE TREATMENT FACILITIES

CLIENT 業主

渠務署 Drainage Services Department

CONSULTANT 工程顧問公司

AECOM Asia Company Ltd.
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SUB-CONSULTANTS 分判工程顧問公司

ISSUE/REVISION 修訂

I/R 修訂	DATE 日期	DESCRIPTION 內容摘要	CHK. 核核
B	AUG. 19	TENDER ADDENDUM NO. 3	TLST
A	JUL. 19	TENDER ADDENDUM NO. 2	TLST
-	APR. 19	TENDER DRAWING	TLST

STATUS 用途

SCALE 比例
A1 1 : 1000

DIMENSION UNIT 尺寸單位
METRES

KEY PLAN 索引圖

PROJECT NO. 項目編號
60427128

CONTRACT NO. 合約編號
DE/2018/04

SHEET TITLE 圖紙名稱
GENERAL LAYOUT PLAN

SHEET NUMBER 圖紙編號
60427128/C4/00/1001B

Plot File by: GueX 15/08/2019
PATH: P:\PROJECTS\60427128\Drawing\Contract\C4\1000\C4_00_1001.dwg

use of key pme: 0

May 2023

Site Record Photos

DC/2018/06

			
SD&THP	CHP	SDB	Outfall

DC/2018/07

		
BR2	MFB	PST

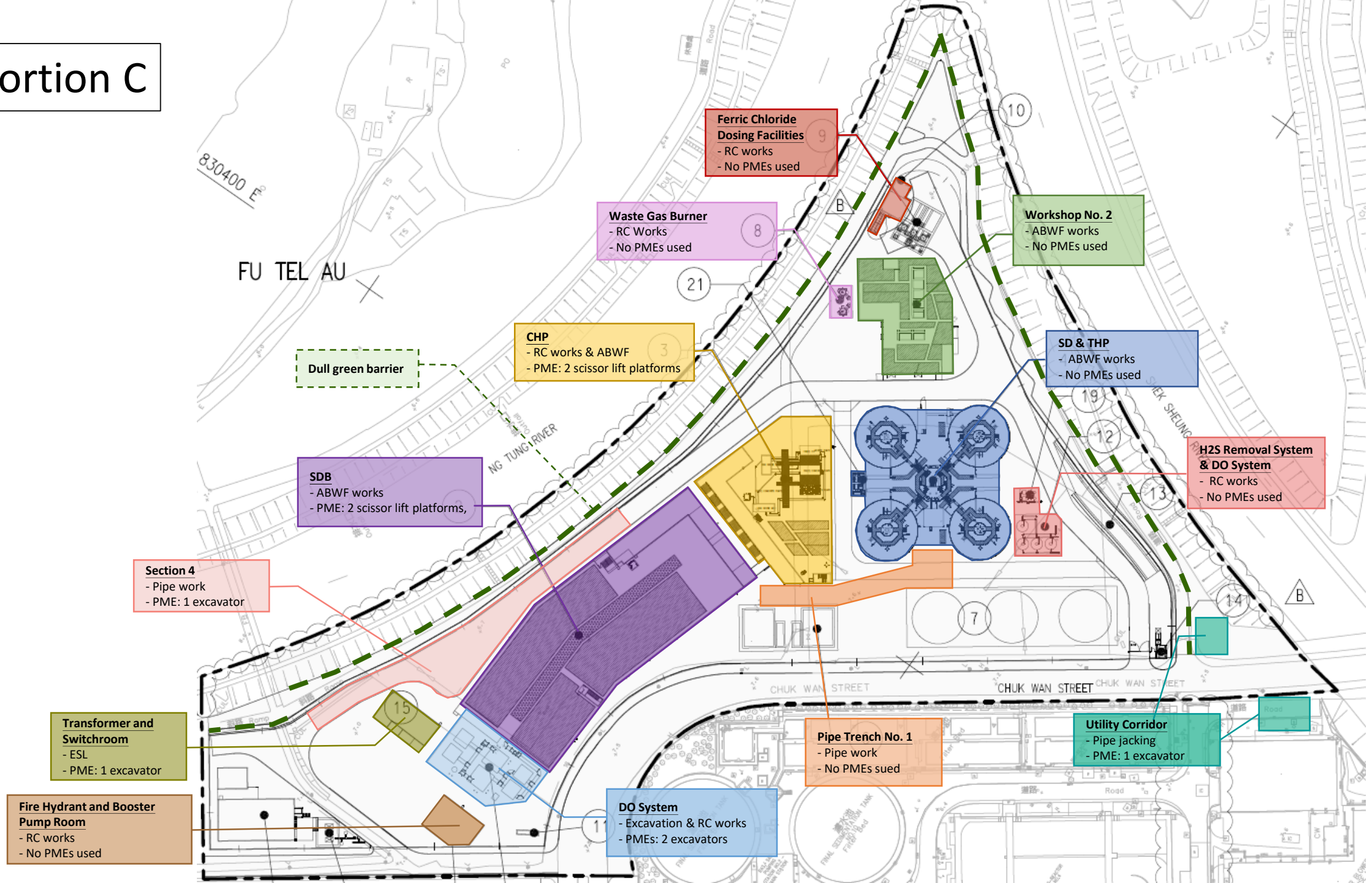
DE/2018/03

	
Sidestream	Bio Gas Tank

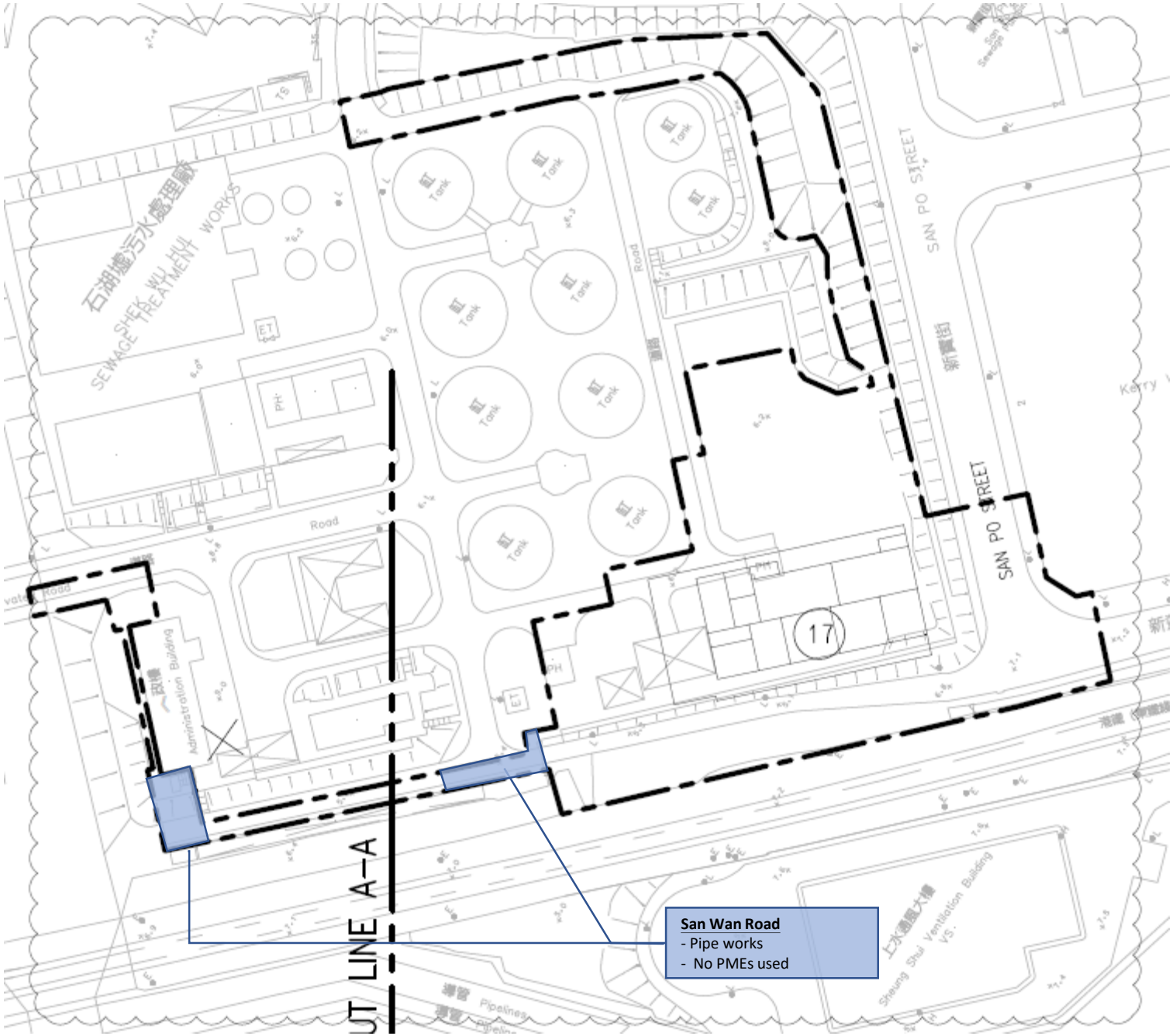
DE/2018/04


Compressor House

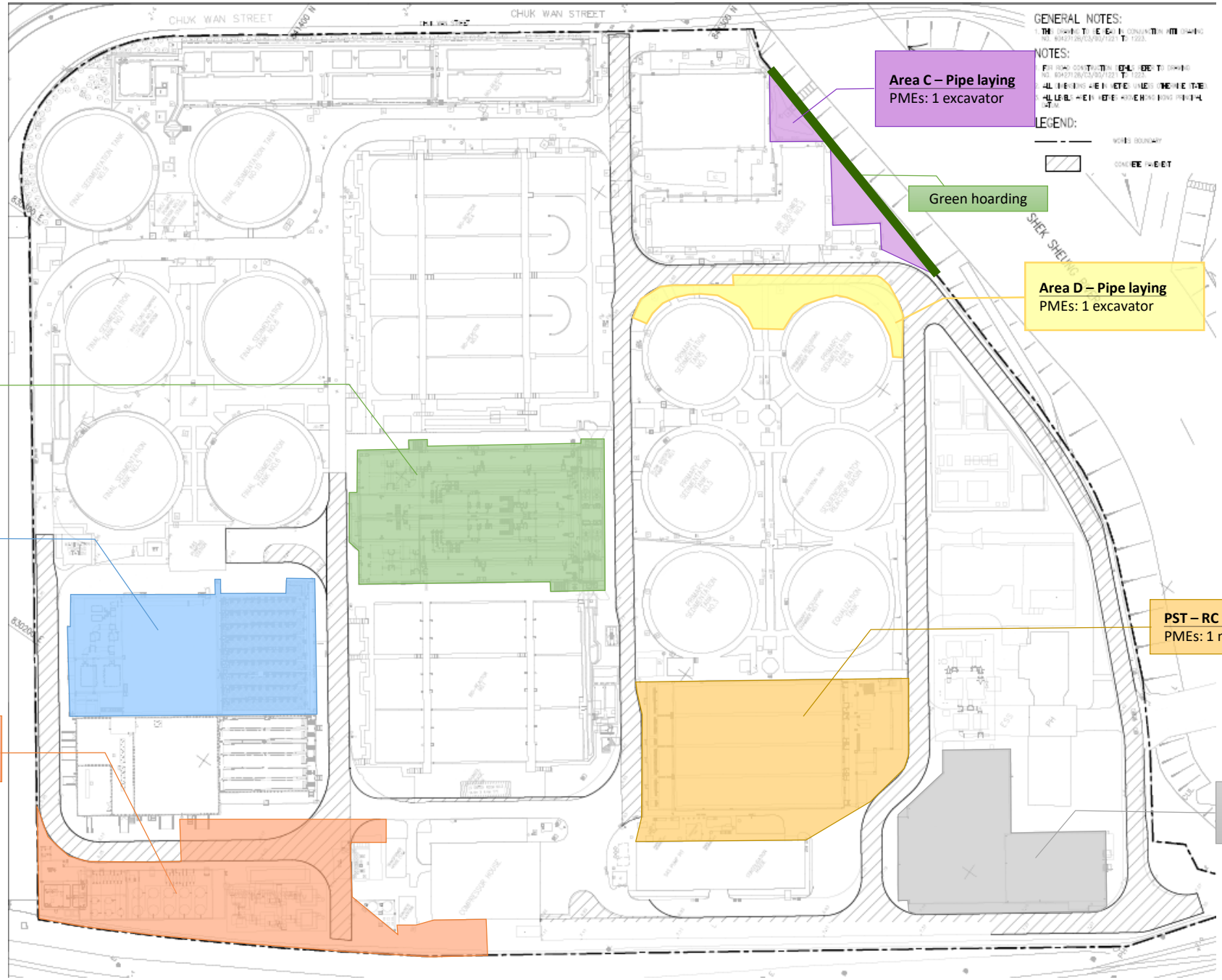
Portion C


Ferric Chloride Dosing Facilities
- RC works
- No PMEs used
Waste Gas Burner
- RC Works
- No PMEs used
Workshop No. 2
- ABWF works
- No PMEs used
CHP
- RC works & ABWF
- PME: 2 scissor lift platforms
Dull green barrier
SD & THP
- ABWF works
- No PMEs used
SDB
- ABWF works
- PME: 2 scissor lift platforms,
H2S Removal System & DO System
- RC works
- No PMEs used
Section 4
- Pipe work
- PME: 1 excavator
Transformer and Switchroom
- ESL
- PME: 1 excavator
Pipe Trench No. 1
- Pipe work
- No PMEs sued
Utility Corridor
- Pipe jacking
- PME: 1 excavator
Fire Hydrant and Booster Pump Room
- RC works
- No PMEs used
DO System
- Excavation & RC works
- PMEs: 2 excavators
FU TEL AU
NG TUNG RIVER
CHUK WAN STREET
CHUK WAN STREET
830400 E

Portion A


SHEK WU HUI SEWAGE TREATMENT WORKS
石湖墟污水處理廠
SAN PO STREET
Road
Tank
17
Administration Building
CUT LINE A–A
San Wan Road
- Pipe works
- No PMEs used

Portion B



Area C – Pipe laying
PMEs: 1 excavator

Green hoarding

Area D – Pipe laying
PMEs: 1 excavator

BR2 – RC works
No PME used

MFB – RC works
PMEs: 1 generator,
2 excavators, 1 tower crane

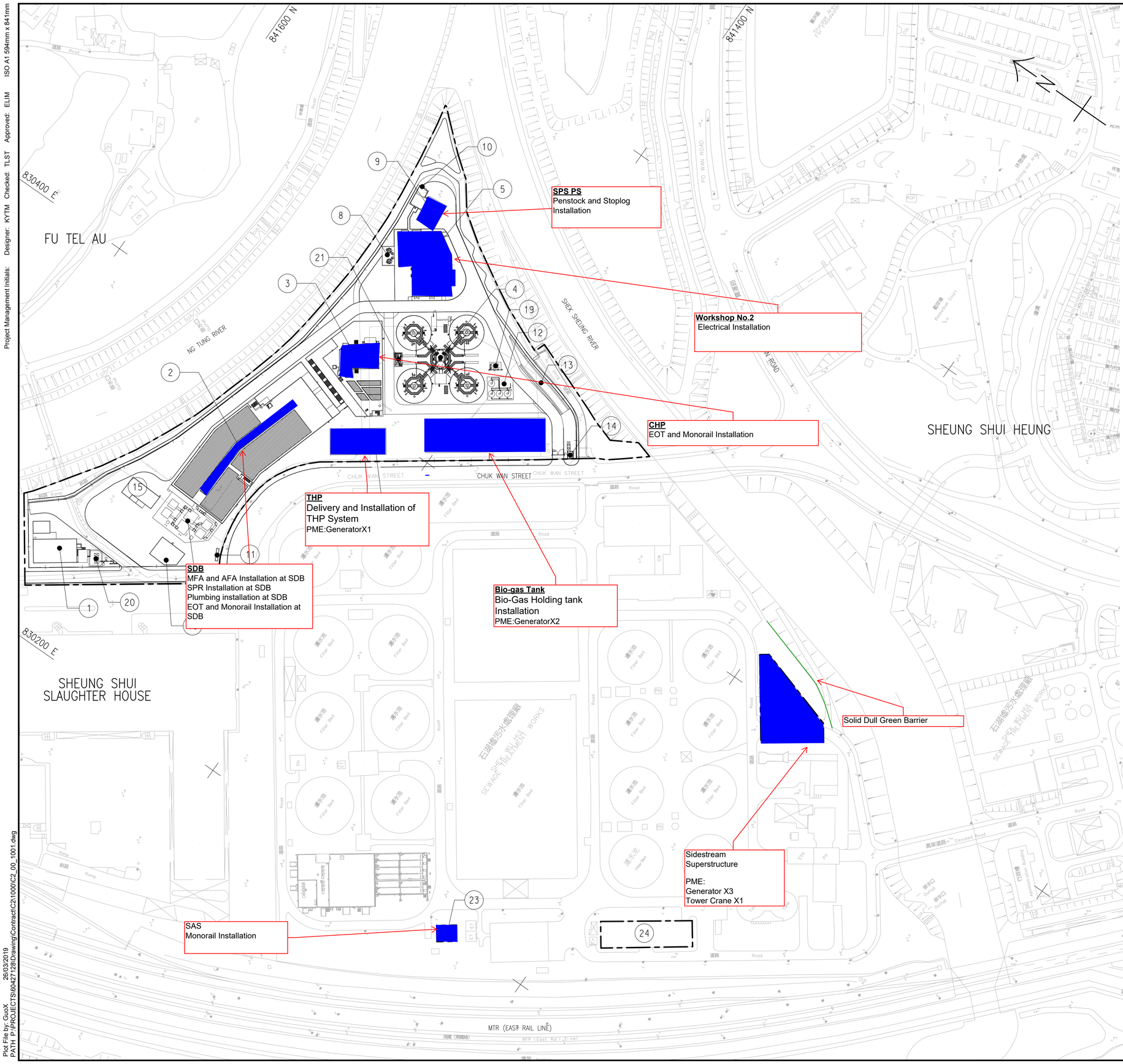
PST – RC works
PMEs: 1 mobile crane

SAS - ABWF works / Pipe laying
PMEs: 2 excavators

Inlet – RC works
PMEs: 2 mobile cranes,
1 excavator

Project Management Initials: Designer: KYTM Checked: TLST Approved: ELIM

ISO A1 594mm x 841mm



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LEGEND:

	SITE BOUNDARY
1	UV SYSTEM NO. 1 & EFFLUENT PUMPING STATION NO. 1
2	SLUDGE DEWATERING BUILDING
3	COMBINED HEAT & POWER BUILDING
4	SLUDGE DIGESTER
5	WORKSHOP NO. 2
6	THERMAL HYDROLYSIS PRETREATMENT FACILITIES
7	BIOGAS HOLDING TANKS
8	WASTE GAS BURNER
9	SEWAGE PUMPING STATION
10	FERRIC CHLORIDE DOSING FACILITIES
11	WATER METER CABINET
12	H2S REMOVAL SYSTEM
13	UNDERPASS (PART)
14	GUARD HOUSE
15	TRANSFORMER AND SWITCHROOM
16	FIRE HYDRANT AND BOOSTER PUMP ROOM
18	DEODORIZATION SYSTEM NO. 11
19	DEODORIZATION SYSTEM NO. 12
20	PLANT SERVICES WATER SYSTEM
21	THP COOLERS PUMPING STATION
22	SIDESTREAM TREATMENT FACILITIES
23	SURPLUS ACTIVATED SLUDGE PUMPING STATION
24	EXISTING CONSOLIDATION HOUSE

AECOM

PROJECT 項目

SHEK WU HUI EFFLUENT POLISHING PLANT

CONTRACT TITLE
SHEK WU HUI EFFLUENT POLISHING PLANT - MAIN WORKS STAGE 1 - SIDESTREAM TREATMENT FACILITIES AND E&M WORKS FOR SLUDGE TREATMENT FACILITIES

CLIENT 業主

渠務署 Drainage Services Department

CONSULTANT 工程顧問公司

AECOM Asia Company Ltd.
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SUB-CONSULTANTS 分判工程顧問公司

ISSUE/REVISION 修訂

I/R 修訂	DATE 日期	DESCRIPTION 內容摘要	CHK. 核核
-	MAR. 19	TENDER DRAWING	TLST

STATUS 階段

SCALE 比例
A1 1 : 1000

DIMENSION UNIT 尺寸單位
METRES

KEY PLAN 索引圖

PROJECT NO. 項目編號
60427128

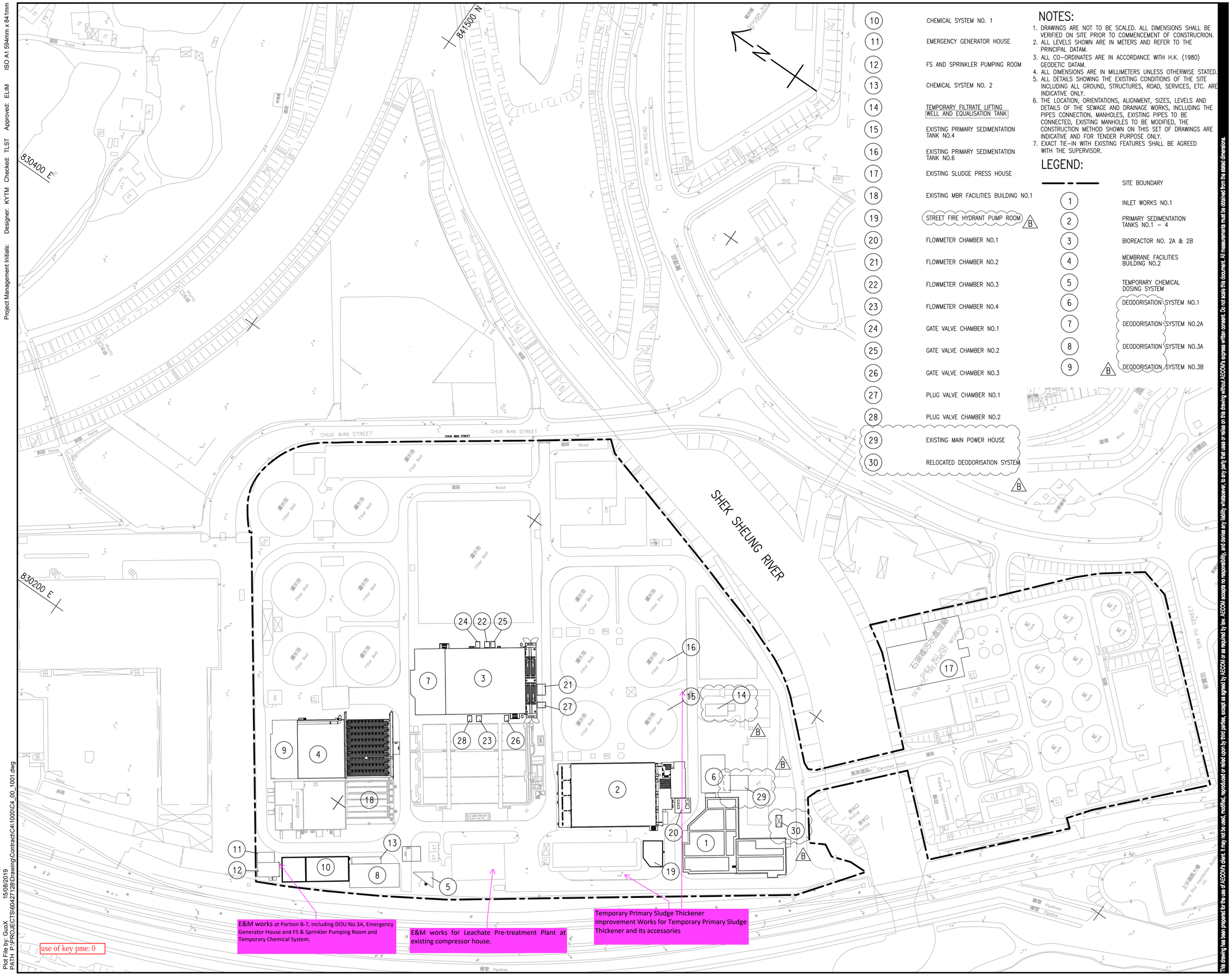
CONTRACT NO. 合約編號
DE/2018/03

SHEET TITLE 圖紙名稱
SHEK WU HUI EFFLUENT POLISHING PLANT GENERAL LAYOUT PLAN

SHEET NUMBER 圖紙編號
60427128/C2/00/1001

Plot File by: GuoX 26/03/2019
PATH: P:\PROJECTS\60427128\Drawing\Contract\C2\1000\C2_00_1001.dwg

Project Management Initials: KYTM Designer: KYTM Checked: TLST Approved: ELIM ISO A1 594mm x 841mm



10 CHEMICAL SYSTEM NO. 1
11 EMERGENCY GENERATOR HOUSE
12 FS AND SPRINKLER PUMPING ROOM
13 CHEMICAL SYSTEM NO. 2
14 TEMPORARY FILTRATE LIFTING WELL AND EQUALISATION TANK
15 EXISTING PRIMARY SEDIMENTATION TANK NO.4
16 EXISTING PRIMARY SEDIMENTATION TANK NO.6
17 EXISTING SLUDGE PRESS HOUSE
18 EXISTING MBR FACILITIES BUILDING NO.1
19 STREET FIRE HYDRANT PUMP ROOM B
20 FLOWMETER CHAMBER NO.1
21 FLOWMETER CHAMBER NO.2
22 FLOWMETER CHAMBER NO.3
23 FLOWMETER CHAMBER NO.4
24 GATE VALVE CHAMBER NO.1
25 GATE VALVE CHAMBER NO.2
26 GATE VALVE CHAMBER NO.3
27 PLUG VALVE CHAMBER NO.1
28 PLUG VALVE CHAMBER NO.2
29 EXISTING MAIN POWER HOUSE
30 RELOCATED DEODORISATION SYSTEM

NOTES:

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LEGEND:

SITE BOUNDARY
1 INLET WORKS NO.1
2 PRIMARY SEDIMENTATION TANKS NO.1 – 4
3 BIOREACTOR NO. 2A & 2B
4 MEMBRANE FACILITIES BUILDING NO.2
5 TEMPORARY CHEMICAL DOSING SYSTEM
6 DEODORISATION SYSTEM NO.1
7 DEODORISATION SYSTEM NO.2A
8 DEODORISATION SYSTEM NO.3A
9 B DEODORISATION SYSTEM NO.3B

AECOM

PROJECT 項目

SHEK WU HUI EFFLUENT POLISHING PLANT

CONTRACT TITLE
SHEK WU HUI EFFLUENT POLISHING PLANT - MAIN WORKS STAGE 1 - E&M WORKS FOR SEWAGE TREATMENT FACILITIES

CLIENT 業主

渠務署 Drainage Services Department

CONSULTANT 工程顧問公司

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ISSUE/REVISION 修訂

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A	JUL. 19	TENDER ADDENDUM NO. 2	TLST
-	APR. 19	TENDER DRAWING	TLST

STATUS 用途

SCALE 比例
A1 1 : 1000

DIMENSION UNIT 尺寸單位
METRES

KEY PLAN 索引圖

PROJECT NO. 項目編號
60427128

CONTRACT NO. 合約編號
DE/2018/04

SHEET TITLE 圖紙名稱
GENERAL LAYOUT PLAN

SHEET NUMBER 圖紙編號
60427128/C4/00/1001B

Plot File by: GuoX 15/08/2019
PATH: P:\PROJECTS\60427128\Drawing\Contract\C4\1000\C4_00_1001.dwg

use of key pme: 0

June 2023

Site Record Photos

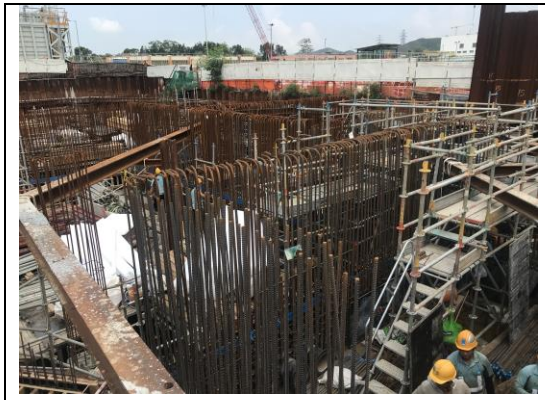
DC/2018/06

			
SD&THP	CHP	SDB	Outfall

DC/2018/07

			
BR2	MFB	PST	Inlet

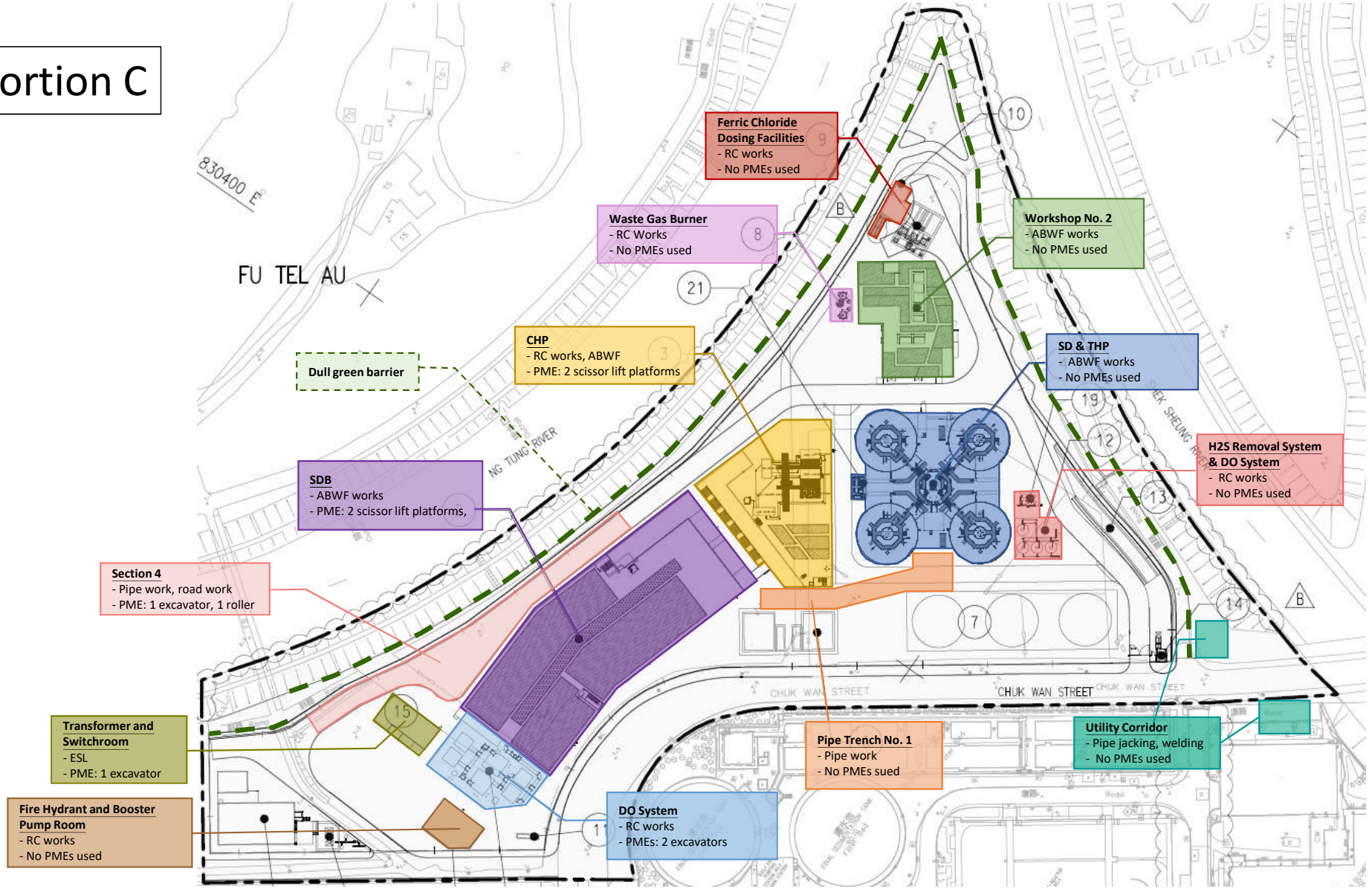
DE/2018/03

	
Sidestream	Bio Gas Tank

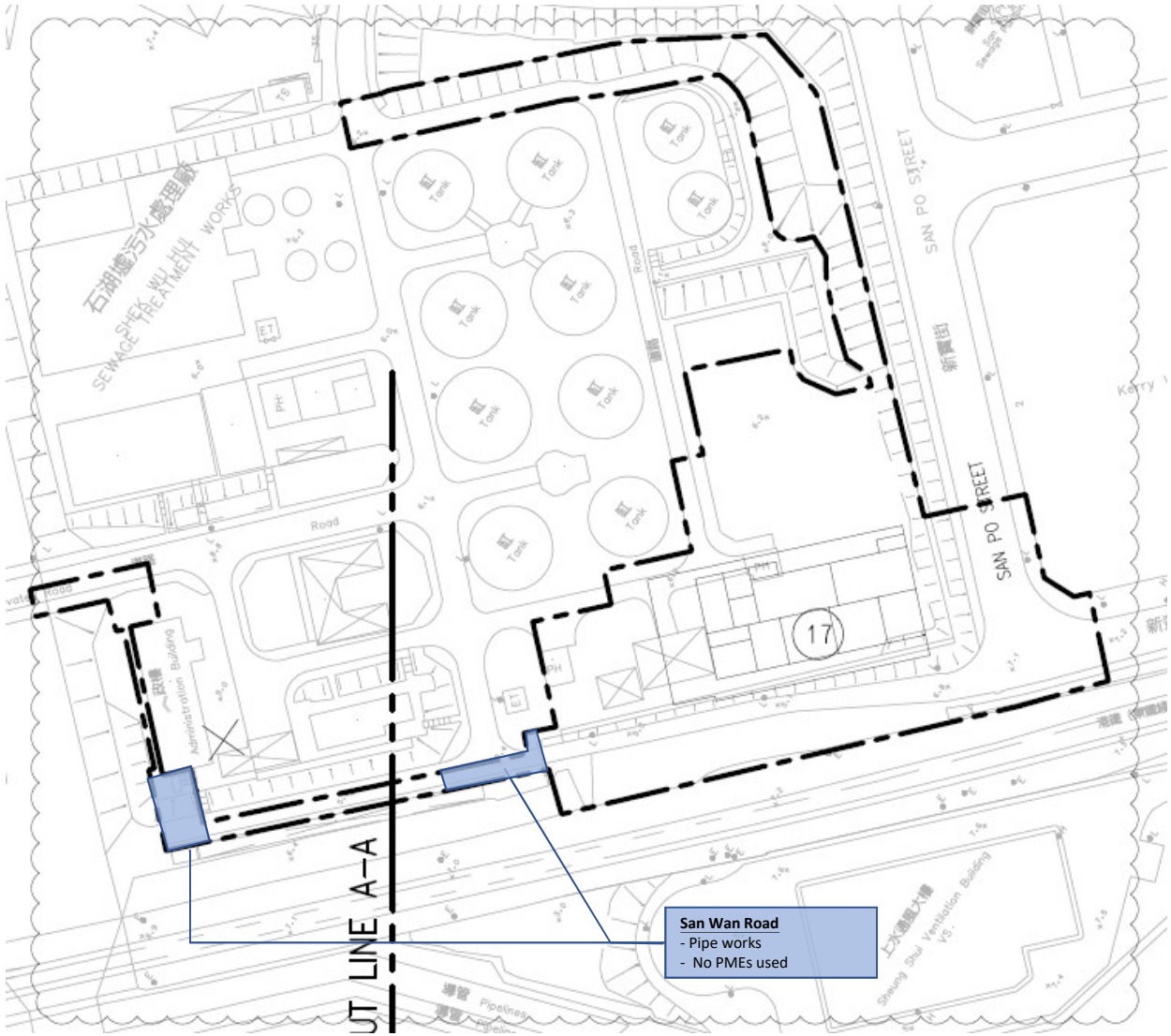
DE/2018/04


Compressor House

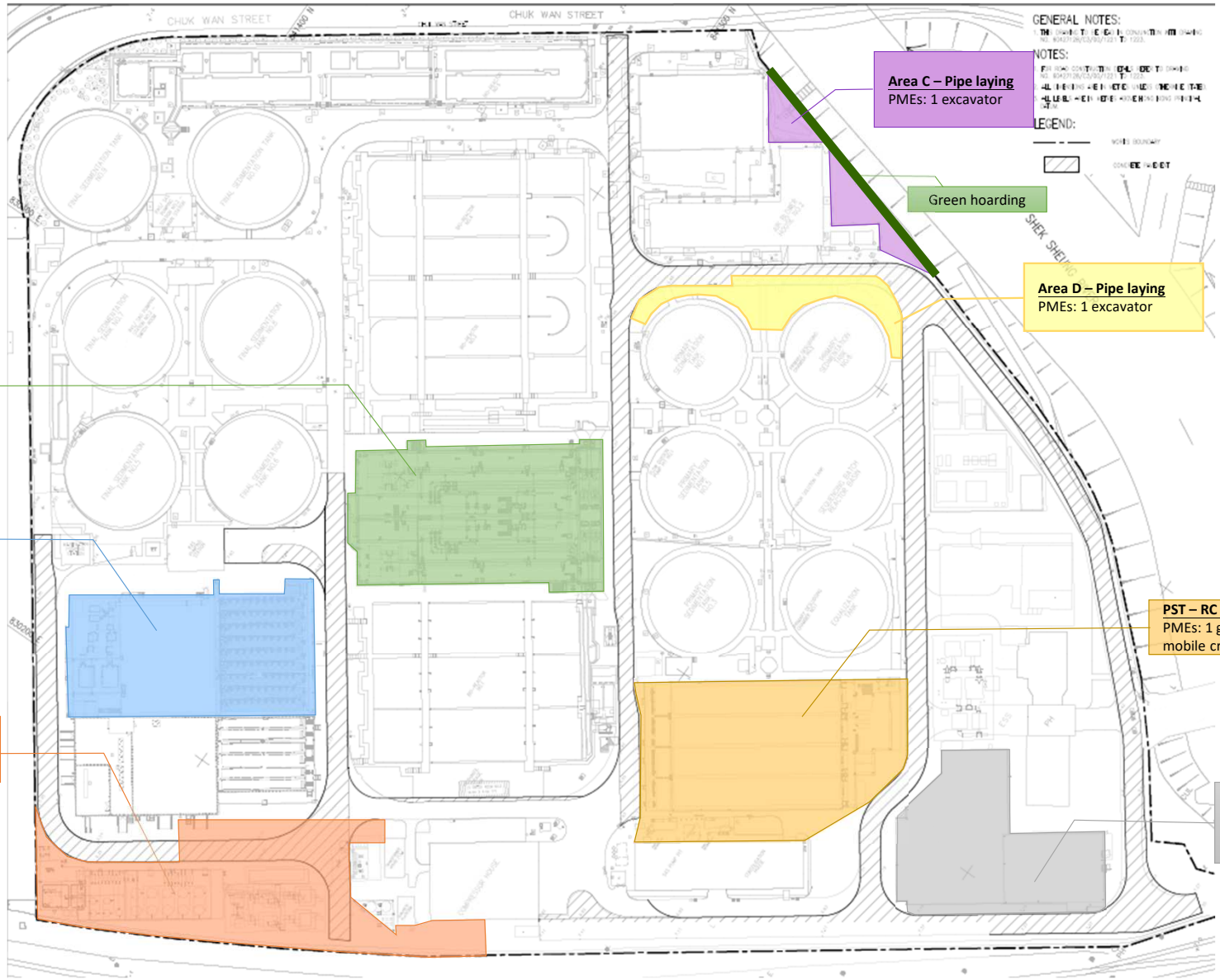
Portion C


Ferric Chloride Dosing Facilities
- RC works
- No PMEs used
Waste Gas Burner
- RC Works
- No PMEs used
Workshop No. 2
- ABWF works
- No PMEs used
CHP
- RC works, ABWF
- PME: 2 scissor lift platforms
SD & THP
- ABWF works
- No PMEs used
Dull green barrier
H2S Removal System & DO System
- RC works
- No PMEs used
SDB
- ABWF works
- PME: 2 scissor lift platforms,
Section 4
- Pipe work, road work
- PME: 1 excavator, 1 roller
Transformer and Switchroom
- ESL
- PME: 1 excavator
Pipe Trench No. 1
- Pipe work
- No PMEs sued
Utility Corridor
- Pipe jacking, welding
- No PMEs used
Fire Hydrant and Booster Pump Room
- RC works
- No PMEs used
DO System
- RC works
- PMEs: 2 excavators
830400 E
FU TEL AU
NG TUNG RIVER
CHUK WAN STREET
CHUK WAN STREET

Portion A

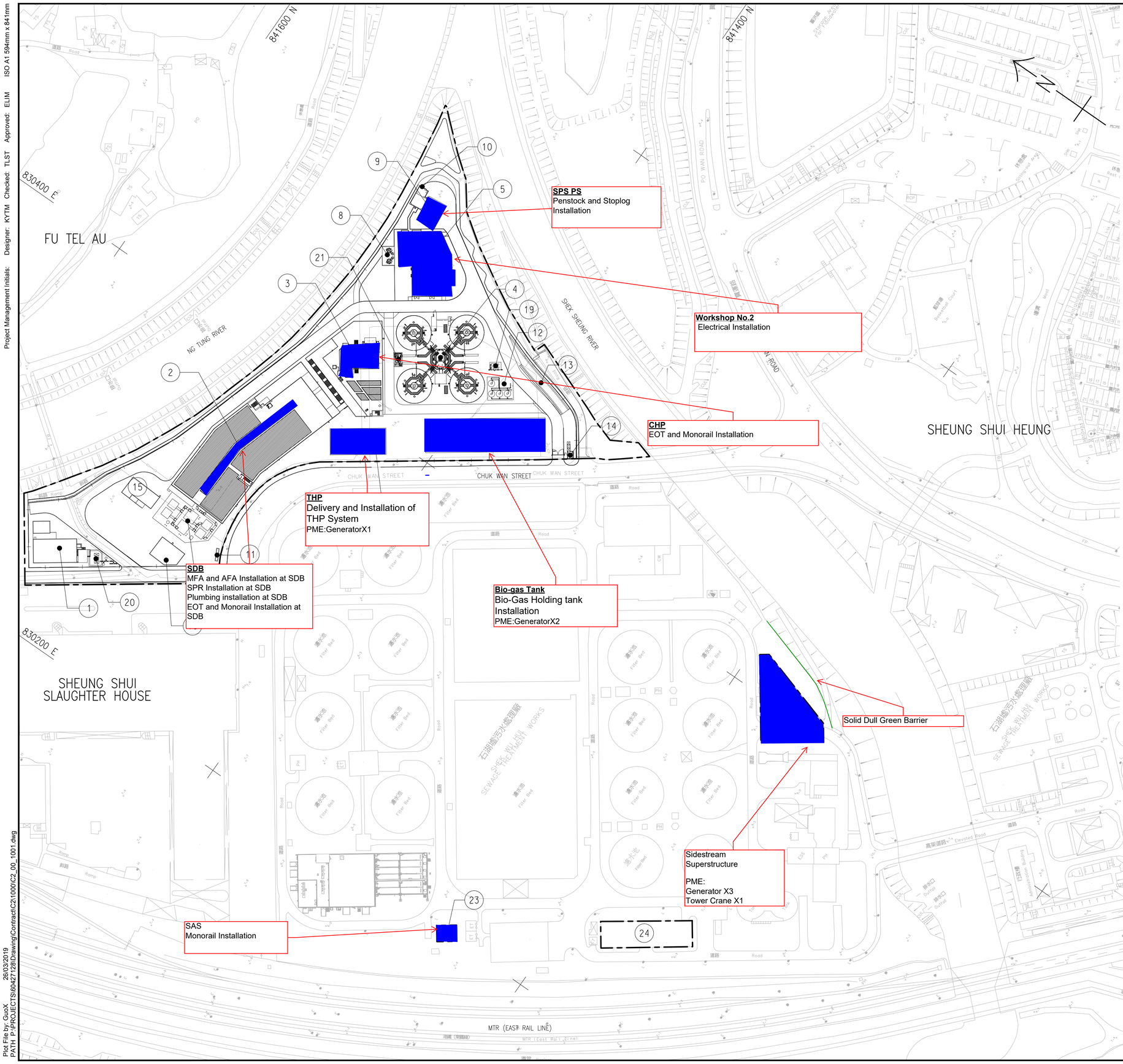

SEWAGE TREATMENT WORKS
SAN PO STREET
SAN PO STREET
Road
Road
Tank
Tank
Tank
Tank
Tank
Tank
Tank
17
Administration Building
Sheung Shui Ventilation Building
UT LINE A–A
San Wan Road
- Pipe works
- No PMEs used

Portion B


CHUK WAN STREET
CHUK WAN STREET
GENERAL NOTES:
NOTES:
LEGEND:
SHEK SHEUNG
Area C – Pipe laying
PMEs: 1 excavator
Green hoarding
Area D – Pipe laying
PMEs: 1 excavator
BR2 – RC works
No PME used
MFB – RC works
PMEs: 2 generators,
2 excavators, 1 tower crane
PST – RC works
PMEs: 1 generator, 1
mobile crane
SAS - ABWF works / Pipe laying
PMEs: 2 excavators
Inlet – RC works
PMEs: 1 excavator, 1
tower crane, 1
enertainer

Project Management Initials: Designer: KYTM Checked: TLST Approved: ELIM

ISO A1 594mm x 841mm



NOTES:

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2. ALL LEVELS SHOWN ARE IN METERS AND REFER TO THE PRINCIPAL DATAM.
3. ALL CO-ORDINATES ARE IN ACCORDANCE WITH H.K. (1980) GEODETIC DATAM.
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5. ALL DETAILS SHOWING THE EXISTING CONDITIONS OF THE SITE INCLUDING ALL GROUND, STRUCTURES, ROAD, SERVICES, ETC. ARE INDICATIVE ONLY.
6. THE LOCATION, ORIENTATIONS, ALIGNMENT, SIZES, LEVELS AND DETAILS OF THE SEWAGE AND DRAINAGE WORKS, INCLUDING THE PIPES CONNECTION, MANHOLES, EXISTING PIPES TO BE CONNECTED, EXISTING MANHOLES TO BE MODIFIED, THE CONSTRUCTION METHOD SHOWN ON THIS SET OF DRAWINGS ARE INDICATIVE AND FOR TENDER PURPOSE ONLY
7. EXACT TIE-IN WITH EXISTING FEATURES SHALL BE AGREED WITH THE SUPERVISOR.

LEGEND:

	SITE BOUNDARY
1	UV SYSTEM NO. 1 & EFFLUENT PUMPING STATION NO. 1
2	SLUDGE DEWATERING BUILDING
3	COMBINED HEAT & POWER BUILDING
4	SLUDGE DIGESTER
5	WORKSHOP NO. 2
6	THERMAL HYDROLYSIS PRETREATMENT FACILITIES
7	BIOGAS HOLDING TANKS
8	WASTE GAS BURNER
9	SEWAGE PUMPING STATION
10	FERRIC CHLORIDE DOSING FACILITIES
11	WATER METER CABINET
12	H2S REMOVAL SYSTEM
13	UNDERPASS (PART)
14	GUARD HOUSE
15	TRANSFORMER AND SWITCHROOM
16	FIRE HYDRANT AND BOOSTER PUMP ROOM
18	DEODORIZATION SYSTEM NO. 11
19	DEODORIZATION SYSTEM NO. 12
20	PLANT SERVICES WATER SYSTEM
21	THP COOLERS PUMPING STATION
22	SIDESTREAM TREATMENT FACILITIES
23	SURPLUS ACTIVATED SLUDGE PUMPING STATION
24	EXISTING CONSOLIDATION HOUSE

AECOM

PROJECT 項目

SHEK WU HUI EFFLUENT POLISHING PLANT

CONTRACT TITLE
SHEK WU HUI EFFLUENT POLISHING PLANT - MAIN WORKS STAGE 1 - SIDESTREAM TREATMENT FACILITIES AND E&M WORKS FOR SLUDGE TREATMENT FACILITIES

CLIENT 業主

渠務署 Drainage Services Department

CONSULTANT 工程顧問公司

AECOM Asia Company Ltd.
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SUB-CONSULTANTS 分判工程顧問公司

ISSUE/REVISION 修訂

I/R 修訂	DATE 日期	DESCRIPTION 內容摘要	CHK. 核核
-	MAR. 19	TENDER DRAWING	TLST

STATUS 階段

SCALE 比例
A1 1 : 1000

DIMENSION UNIT 尺寸單位
METRES

KEY PLAN 索引圖

PROJECT NO. 項目編號
60427128

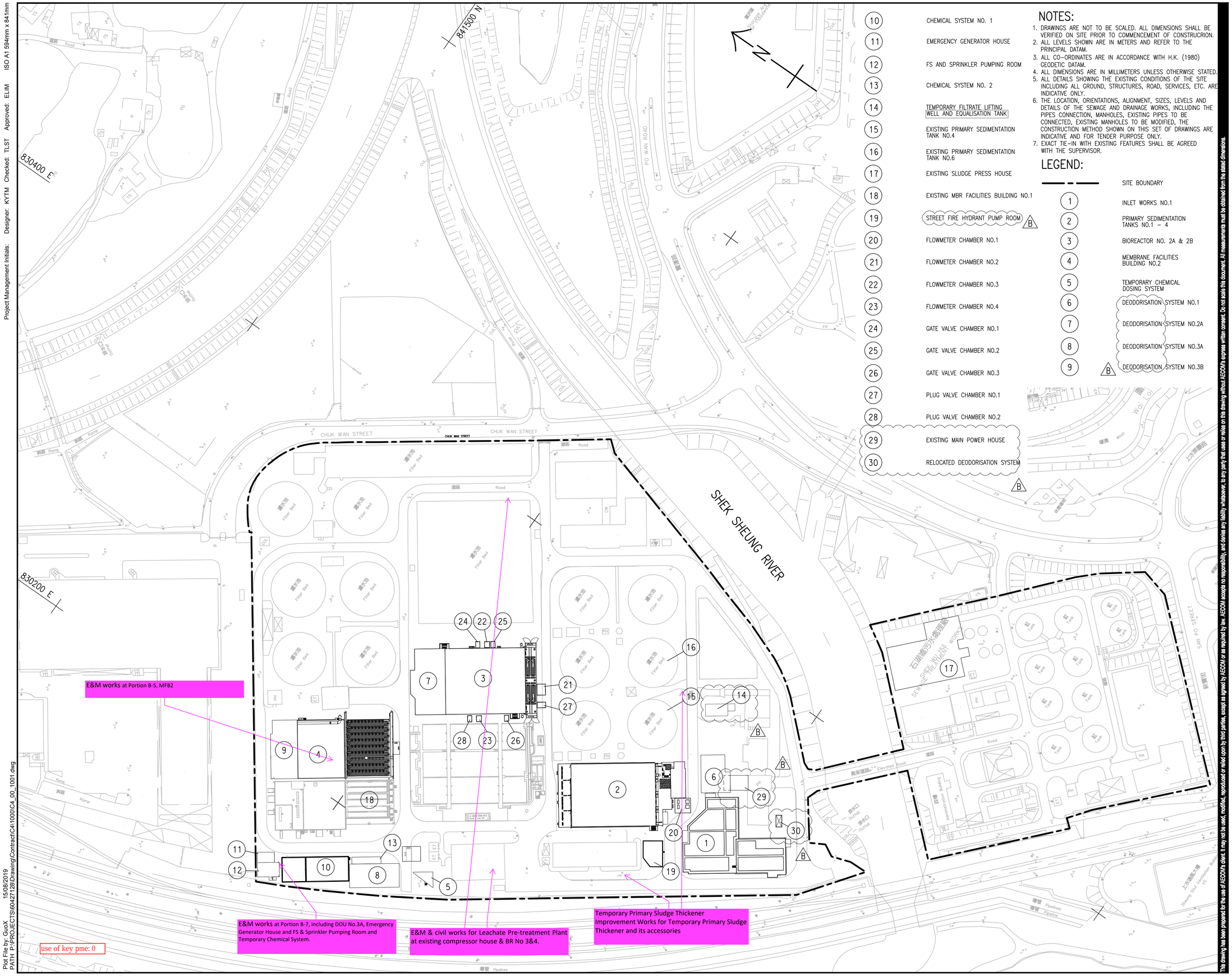
CONTRACT NO. 合約編號
DE/2018/03

SHEET TITLE 圖紙名稱
SHEK WU HUI EFFLUENT POLISHING PLANT GENERAL LAYOUT PLAN

SHEET NUMBER 圖紙編號
60427128/C2/00/1001

Plot File by: GuoX 26/03/2019
PATH: P:\PROJECTS\60427128\Drawing\Contract\C2\1000\C2_00_1001.dwg

Project Management Initials: KYTM Designer: KYTM Checked: TLST Approved: ELIM ISO A1 594mm x 841mm



10 CHEMICAL SYSTEM NO. 1
11 EMERGENCY GENERATOR HOUSE
12 FS AND SPRINKLER PUMPING ROOM
13 CHEMICAL SYSTEM NO. 2
14 TEMPORARY FILTRATE LIFTING WELL AND EQUALISATION TANK
15 EXISTING PRIMARY SEDIMENTATION TANK NO.4
16 EXISTING PRIMARY SEDIMENTATION TANK NO.6
17 EXISTING SLUDGE PRESS HOUSE
18 EXISTING MBR FACILITIES BUILDING NO.1
19 STREET FIRE HYDRANT PUMP ROOM B
20 FLOWMETER CHAMBER NO.1
21 FLOWMETER CHAMBER NO.2
22 FLOWMETER CHAMBER NO.3
23 FLOWMETER CHAMBER NO.4
24 GATE VALVE CHAMBER NO.1
25 GATE VALVE CHAMBER NO.2
26 GATE VALVE CHAMBER NO.3
27 PLUG VALVE CHAMBER NO.1
28 PLUG VALVE CHAMBER NO.2
29 EXISTING MAIN POWER HOUSE
30 RELOCATED DEODORISATION SYSTEM

NOTES:

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7. EXACT TIE-IN WITH EXISTING FEATURES SHALL BE AGREED WITH THE SUPERVISOR.

LEGEND:

SITE BOUNDARY
1 INLET WORKS NO.1
2 PRIMARY SEDIMENTATION TANKS NO.1 – 4
3 BIOREACTOR NO. 2A & 2B
4 MEMBRANE FACILITIES BUILDING NO.2
5 TEMPORARY CHEMICAL DOSING SYSTEM
6 DEODORISATION SYSTEM NO.1
7 DEODORISATION SYSTEM NO.2A
8 DEODORISATION SYSTEM NO.3A
9 B DEODORISATION SYSTEM NO.3B

AECOM

PROJECT 項目

SHEK WU HUI EFFLUENT POLISHING PLANT

CONTRACT TITLE
SHEK WU HUI EFFLUENT POLISHING PLANT - MAIN WORKS STAGE 1 - E&M WORKS FOR SEWAGE TREATMENT FACILITIES

CLIENT 業主

渠務署 Drainage Services Department

CONSULTANT 工程顧問公司

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ISSUE/REVISION 修訂

I/R 修訂	DATE 日期	DESCRIPTION 內容摘要	CHK. 核核
B	AUG. 19	TENDER ADDENDUM NO. 3	TLST
A	JUL. 19	TENDER ADDENDUM NO. 2	TLST
-	APR. 19	TENDER DRAWING	TLST

STATUS 用投

SCALE 比例
A1 1 : 1000

DIMENSION UNIT 尺寸單位
METRES

KEY PLAN 索引圖

PROJECT NO. 項目編號
60427128

CONTRACT NO. 合約編號
DE/2018/04

SHEET TITLE 圖紙名稱
GENERAL LAYOUT PLAN

SHEET NUMBER 圖紙編號
60427128/C4/00/1001B

Plot File by: GueX 15/08/2019
PATH: P:\PROJECTS\60427128\Drawing\Contract\C4\1000\C4_00_1001.dwg

use of key pme: 0

Appendix 3.1

Environmental Monitoring Requirements

Monitoring Requirements

Air Quality Monitoring

Parameter	Frequency	Location	Measurement Conditions
1-hour TSP	3 times per day, once every 6 days	AM1 – House No.15, Wai Loi Tsuen	Ground level
		AM2 – Fu Tei Au	
24-hour TSP	Once every 6 days	AM1a* - Site boundary of the Shek Wu Hui STW (East), Roof floor of the control room of SWHSTW (1)	Roof floor
		AM2a - Site Boundary of the Shek Wu Hui STW (North)	Ground level

Remarks

(1) Due to close proximity to construction works and heavy machines, presence of physical barrier and safety concerns, find adjustment for the location of AM1a was proposed in accordance to Section 2.2.4.6 of the EM&A Manual. It was adjusted from the ground level near the control room of SWHSTW to the roof floor of that control room. The proposal has sought approval from ER and IEC, and agreement from EPD in May 2022.

Noise Monitoring

Parameter	Frequency	Location	Measurement Conditions
L_{eq}, L_{90} & L_{10} at 30-minute intervals during (0700 to 1900 on normal weekdays)	Once per week when noise generating activities are underway	NM1 – Wai Loi Tsuen	Ground level and free field measurement
		NM2 – Fu Tei Au	
		NM3 - Man Kok Village	

Ecological Monitoring

Methdology	Monitoring Stations	Descriptions	Influenced by Tidal Action
Monitoring surveys were conducted on a weekly basis	Transect T1	Along Ng Tung River	No
	Point Count Location P1		

along the Ng Tung River, Sheung Yue River and Shek Sheung River at both high and low tides. Any sources of actual or potential disturbance to birds due to construction activities are identified.	Point Count Location P2		
	Transect T2		Yes
	Point Count Location P3		
	Point Count Location P4		
	Point Count Location P5	At Shek Sheung River (Low-flow Channel)	No
	Transect T3	Along Shek Sheung River & Sheung Yue River	Yes
	Point Count Location P6	At Shek Sheung River	Yes
	Point Count Location P7	At Intersection between Sheung Yue River and Shek Sheung River	Yes

Water Quality Monitoring

Parameter	Frequency	Location	Measurement Conditions
Dissolved oxygen (DO), salinity, temperature, turbidity and pH shall be measured in situ while suspended solids (SS) is determined by laboratory analysis at all the designated monitoring stations.	Three days per week when construction works at the outfall at Ng Tung River	M1	Impact Station, downstream of the proposed outfall
		C1	Control Station, upstream of the proposed outfall

Appendix 3.2

Action and Limit Level

Action and Limit Levels

Air Quality Monitoring

Monitoring Station	1-hour TSP Level in μg/m^3		24-hour TSP Level in μg/m^3	
	Action Level	Limit Level	Action Level	Limit Level
AM1	320	500	189	260
AM2	322	500	187	260

Noise Monitoring

Monitoring Stations	Leq(30min),dB(A)	
	Action Level (dB(A))	Limit Level (dB(A))
NM1	When one documented complaint is received	75*
NM2		
NM3		

*Notes: (1) If works are to be carried out during restricted hours, the conditions stipulated in the Construction Noise Permit (CNP) used by the Noise Control Authority should be followed.

(2) The limit level shall be 70 dB(A) and 65 dB(A) for educational institute during normal teaching periods and school examination periods, respectively.

Ecological Monitoring of Waterbirds using Ng Tung, Sheung Yue and Shek Sheung Rivers during Construction Phase

Action Level	Limit Level
Decline in numbers of all waterbird species relative to numbers during Baseline Monitoring such that Action Level response is triggered.	Decline in numbers of all waterbird species relative to numbers during Baseline Monitoring such that the Limit Level response is triggered.
Decline in numbers of any one waterbird species occurring in significant numbers* during Baseline Monitoring such that the Action Level Response is triggered.	Decline in numbers of any one waterbird species occurring in significant numbers* during Baseline Monitoring such that the Limit Level response is triggered.

*Note: Whether numbers are significant depend on species and season after collection and evaluation of baseline data.

Water Quality Monitoring

Parameter (Unit)	Depth	Action Level	Limit Level
DO (mg/L)	Middle	**≤ 7.8 mg/L**	**≤ 7.7 mg/L**
Turbidity (NTU)	Depth-average	**≥ 14.6 NTU** or 120% of upstream control station's Turbidity at the same tide of the same day	**≥ 15.6 NTU** or 130% of upstream control station's Turbidity at the same tide of the same day
SS (mg/L)	Depth-average	**≥ 18.8 mg/L** or 120% of upstream control station's SS at the same tide of the same day	**≥ 19.5 mg/L** or 130% of upstream control station's SS at the same tide of the same day

Appendix 3.3

Environmental Mitigation Implementation Schedule

Appendix 3.3 Environmental Mitigation Implementation Schedule

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	Remark
Air Quality Monitoring							
S2.4.1.3	Dust suppression measures stipulated in the Air Pollution Control (Construction Dust) Regulation and good site practices:						
	• Any excavated or stockpile of dusty material should be covered entirely by impervious sheeting or sprayed with water to maintain the entire surface wet and then removed or backfilled or reinstated where practicable within 24 hours of the excavation or unloading;	To minimize the dust impact	Contractor	Work Sites	Construction phase of Main Works Stage 1, Stage 2 and Stage 3	Air Pollution Control Ordinance (APCO) and Air Pollution Control (Construction Dust)	^
	• Any dusty material remaining after a stockpile is removed should be wetted with water and cleared from the surface of roads;						^
	• A stockpile of dusty material should not be extended beyond the pedestrian barriers, fencing or traffic cones;						^
	• The load of dusty materials on a vehicle leaving a construction site should be covered entirely by impervious sheeting to ensure that the dusty materials do not leak from the vehicle;						^
	• Where practicable, vehicle washing facilities with high pressure water jet should be provided at every discernible or designated vehicle exit point. The area where vehicle washing takes place and the road section between the washing facilities and the exit point should be paved with concrete, bituminous materials or hardcores;						^

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	Remark
	• When there are open excavation and reinstatement works, hoarding of not less than 2.4m high should be provided as far as practicable along the site boundary with provision for public crossing. Good site practice shall also be adopted by the Contractor to ensure the conditions of the hoardings are properly maintained throughout the construction period.						^
	• The portion of any road leading only to construction site that is within 30m of a vehicle entrance or exit should be kept clear of dusty materials;						^
	• Surfaces where any pneumatic or power-driven drilling, cutting, polishing or other mechanical breaking operation takes place should be sprayed with water or a dust suppression chemical continuously;						^
	• Any area that involves demolition activities should be sprayed with water or a dust suppression chemical immediately prior to, during and immediately after the activities so as to maintain the entire surface wet;						^
	• Where a scaffolding is erected around the perimeter of a building under construction, effective dust screens, sheeting or netting should be provided to enclose the scaffolding from the ground floor level of the building, or a canopy should be provided from the first floor level up to the highest level of the scaffolding;						^
	• Any skip hoist for material transport should be totally enclosed by impervious sheeting;						^
	• Every stock of more than 20 bags of cement or dry pulverised fuel ash (PFA) should be covered entirely by impervious sheeting or placed in an area sheltered on the top and the 3 sides;						^
	• Cement or dry PFA delivered in bulk should be stored in a closed silo fitted with an audible high level alarm which is interlocked with the material filling line and no overfilling is allowed;						^

	• Loading, unloading, transfer, handling or storage of bulk cement or dry PFA should be carried out in a totally enclosed system or facility, and any vent or exhaust should be fitted with an effective fabric filter or equivalent air pollution control system; and						^
	• Exposed earth should be properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shortcrete or other suitable surface stabiliser within six months after the last construction activity on the construction site or part of the construction site where the exposed earth lies						^

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	Remark
Noise Impact							
S3.4.1.1	Use of movable barrier, enclosure, acoustic mat and quiet plant. Use of wooden frames barrier with a small-cantilevered upper portion of superficial density not less than 14kg/m² on a skid footing with 25mm thick internal sound absorptive lining.	To minimize construction noise impact arising from the Project at the affected noise sensitive receivers (NSRs)	Contractor	Work Sites	Construction phase of Main Works Stage 1, Stage 2 and Stage 3	EIAO-TM, Noise Control Ordinance (NCO)	^
S3.4.1.2	Good Site Practice:						
	• Only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction program.	To minimize construction noise impact arising from the Project at the affected NSRs	Contractor	Work Sites	Construction phase of Main Works Stage 1, Stage 2 and Stage 3	EIAO-TM, NCO	^
	• Silencers or mufflers on construction equipment should be utilized and should be properly maintained during the construction program.						^
	• Mobile plant, if any, should be sited as far away from NSRs as possible.						^
	• Machines and plant (such as trucks) that may be in intermittent use should be shut down between works periods or should be throttled down to a minimum.						^
	• Plant known to emit noise strongly in one direction should, wherever possible, be orientated so that the noise is directed away from the nearby NSRs.						^
	• Material stockpiles and other structures should be effectively utilized, wherever practicable, in screening noise from on-site construction activities.						^

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	Remark
Ecological Impact							
S4.2.1.1	Solid dull green noise/visual barriers of at least 2m high shall be erected and maintained between active works area and all areas of ecological importance.	Minimize noise and human disturbances during construction phase.	Contractor	Work Sites	Construction phase of Main Works Stage 1, Stage 2 and Stage 3	EIAO-TM	^
S4.2.1.2	Avoid unnecessary lighting.	Minimize mortality impacts on birds.	Design / Contractor/ Plant Operator	Work Sites	Construction and operation phase of Main Works Stage 1, Stage 2 and Stage 3	EIAO-TM	^
S4.2.1.3	Good construction site practice to minimise dust generation should be followed on all construction sites. Measures to avoid, minimise and mitigate impacts on air quality are detailed in this schedule.	Minimize dust generation from construction sites.	Contractor	Work Sites	Construction phase of Main Works Stage 1, Stage 2 and Stage 3	EIAO-TM	^
S4.2.1.4	The following measures to avoid, minimise and mitigate impact on water quality during construction phase shall be implemented						
	• Temporary sewerage and drainage to be designed and installed to collect wastewater and prevent it from entering water bodies;	Avoid, minimise and mitigate impact on water quality	Contractor	Work Sites	Construction phase of Main Works Stage 1, Stage 2 and Stage 3	EIAO-TM	^
	• Proper locations well away from nearby water bodies should be used for temporary storage of materials (i.e. equipment, filling materials, chemicals and fuel) and temporary stockpiles of construction debris and spoil, and these should be identified before commencement of works;						^
	• To prevent muddy water entering nearby water bodies, work sites close to nearby water bodies should be isolated, using such items as sandbags or silt curtains with lead edge at bottom and properly supported props. Other protective measures should also be taken to ensure that no pollution or siltation occurs to the water gathering grounds of the work sites;						^

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	Remark
	• Construction debris and spoil should be covered and/or properly disposed of as soon as possible to avoid these being washed into nearby water bodies;						^
	• Proper locations for discharge outlets of temporary wastewater treatment facilities well away from sensitive receivers should be identified;						^
	• Adequate lateral support should be erected where necessary in order to prevent soil/mud from slipping into water bodies;						^
	• Site boundaries should be clearly marked and any works beyond the boundary strictly prohibited;						^
	• Regular water monitoring and site audit should be carried out at adequate points along any watercourses where construction works are underway upstream within their catchments and also on the Ng Tung, Sheung Yue and Shek Sheung Rivers. If the monitoring and audit results show that pollution occurs, adequate measures including temporarily cessation of works should be considered;						^
	• Excavation profiles should be properly designed and executed with attention to the relevant requirements for environment, health and safety;						^
	• Where soil to be excavated is situated beneath the groundwater table, it may be necessary to lower the groundwater table by installing well points or similar means; Stockpiling sites should be lined with impermeable sheeting and bunded. Stockpiles should be properly covered by impermeable sheeting to reduce dust emission during dry season or contaminated run-off during rainy season. Watering should be avoided on stockpiles of						^
	• contaminated soil to minimize contaminated runoff and construction materials should be properly covered and located away from nearby water bodies; and						^
	• Supply of suitable clean backfill material after excavation, if required.						^

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	Remark
	• Vehicles containing any excavated materials should be suitably covered to limit potential dust emissions or contaminated run-off, and truck bodies and tailgates should be sealed to prevent discharge during transport or during wet season;						^
	• Speed control for the trucks carrying contaminated materials should be enforced;						^
	• Vehicle wheel washing facilities at construction sites' exit points should be established and used, where necessary; and						^
	• Other measures as detailed in this schedule.						^

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	Remark
Water Quality Impact							
S5.2.2.1	Construction Site Runoff Practices and measures provided in the Practice Note for Professional Persons on Construction Site Drainage, (PROPECC PN1/94) should be followed where applicable.	Control construction runoff	Contractors	Work Sites	Construction phase of Main Works Stage 1, Stage 2 and Stage 3	EIAO-TM, WPCO, EIAO	*
S5.2.2.2 – S5.2.2.3	Sewage from Workforce						
	• Portable chemical toilets and sewage holding tanks should be provided for handling the construction sewage generated by the workforce. A licensed Contractor should be employed to provide appropriate and adequate portable toilets and be responsible for appropriate disposal and maintenance;	Handling of site sewage	Contractors	Work Sites	Construction phase of Main Works Stage 1, Stage 2 and Stage 3	EIAO-TM, WPCO, EIAO	^
	• Notices should be posted at conspicuous locations to remind the workers not to discharge any sewage or wastewater into the nearby environment during the construction phase of the Project. Regular environmental audit on construction site should be conducted in order to provide an effective control of any malpractices and achieve continual improvement of environmental performance on site. It is anticipated that sewage generation during the construction phase of the Project would not cause water quality impact after undertaking all required measures						^

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	Remark
Waste Management							
S6.2.2.1	Good Site Practices and Waste Reduction Measures						
	• Nomination of an approved person, such as a site manager, to be responsible for the implementation of good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site;	Minimize waste generation during construction	Contractors	Work Sites	Construction phase of Main Works Stage 1, Stage 2 and Stage 3	Waste Disposal Ordinance (WDO)	^
	• Training of site personnel in site cleanliness, appropriate waste management procedures and concepts of waste reduction, reuse and recycling;						^
	• Provision of sufficient waste disposal points and regular collection for disposal;						^
	• Appropriate measures to minimise windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers;						^
	• Regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors;						^
	• An Environmental Management Plan (EMP) should be prepared by the contractor and submitted to the Supervisor for approval.						^
S6.2.3.1	Waste Reduction Measures						
	• Segregate and store different types of waste in different containers, skip or stockpiles to enhance reuse or recycling of materials and their proper disposal;	Reduce waste generation	Contractors	Work Sites	Prior to the commencement of construction of Main Works Stage 1, Stage 2 and Stage 3	WDO	^
	• Proper storage and site practices to minimize the potential for damage and contamination of construction materials;						^
	• Plan and stock construction materials carefully to minimize amount of waste generated and avoid unnecessary generation of waste;						^
	• Sort out demolition debris and excavated materials from demolition works to recover reusable/recyclable portions (i.e. soil, broken concrete, metal etc.); and						^
	• Provide training to workers on the importance of appropriate waste management procedures, including waste reduction, reuse and recycling.						^

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	Remark
S6.2.4.1	Storage, Collection and Transportation of Waste Should any temporary storage or stockpiling of waste is required, recommendations to minimize the impacts include:	Minimize waste impacts arising from waste storage	Contractor	Work Sites	Construction phase of Main Works Stage 1, Stage 2 and Stage 3	WDO	^
	• Waste, such as soil, should be handled and stored well to ensure secure containment, thus minimizing the potential of pollution;						^
	• Stockpiling area should be provided with covers and water spraying system to prevent materials from windblown or being washed away; and						^
	• Different locations should be designated to stockpile each material to enhance reuse.						^
S6.2.4.2	Storage, Collection and Transportation of Waste (con't)						
	• Remove waste in timely manner;	Minimize waste impacts arising from waste storage	Contractor	Work Sites	Construction phase of Main Works Stage 1, Stage 2 and Stage 3	WDO	^
	• Employ the trucks with cover or enclosed containers for waste transportation;						^
	• Obtain relevant waste disposal permits from the appropriate authorities; and						^
	• Disposal of waste should be done at licensed waste disposal facilities						^
S6.2.5.2	C&D Materials from Site Formation						
	• Maintain temporary stockpiles and reuse excavated fill material for backfilling;	Minimize waste impacts arising from waste storage	Contractor	Work Sites	Construction phase of Main Works Stage 1, Stage 2 and Stage 3	Land (Miscellaneous Provisions) Ordinance, WDO, ETWB TCW No. 19/2005	^
	• Carry out on-site sorting;						^
	• Make provisions in the Contract documents to allow and promote the use of recycled aggregates where appropriate;						^
	• Adopt "selective demolition" technique to demolish the existing structure and facilities with a view to recovering broken concrete effectively for recycling purpose, where possible; and						^
	• Implement a trip-ticket system for each works contract to ensure that the disposal of C&D materials are properly documented and verified.						^
S6.2.5.3	C&D Material from Buildings Demolition and New Building Construction						

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	Remark
	• The Contractor should recycle as much as possible of the C&DM on-site. Public fill and C&DM waste should be segregated and stored in different containers or skips to enhance reuse or recycling of materials and their proper disposal. For example, concrete and masonry can be crushed and used as fill, and steel reinforcing bar can be used by scrap steel mills. Different areas of the work sites should be designated for such segregation and storage.	Minimize waste impacts arising from waste storage	Contractor	Work Sites	Construction phase of Main Works Stage 1, Stage 2 and Stage 3	Land (Miscellaneous Provisions) Ordinance, WDO, ETWB TCW No. 19/2005	^
	• The use of wooden hoardings shall not be allowed. An alternative material, such as metal, aluminium or alloy etc, could be used.						^
	• Government has developed a charging policy for the disposal of waste to landfill at present. It will provide additional incentive to reduce the volume of generated waste and ensure proper segregation to allow reuse of the inert material on site when implemented.						^
	• In order to minimize the impacts of the demolition works, the generated wastes must be cleared as quickly as possible after demolition. Therefore, the demolition and clearance works should be undertaken simultaneously. To facilitate proper segregation of inert and non-inert C&D material arising from demolition works, selective demolition method should be adopted.						^
S6.2.5.4	Chemical Waste						
	• If chemical wastes are produced at the construction site, the Contractors should register with EPD as chemical waste producers.	Control the chemical waste and ensure proper storage, handling and disposal	Contractor	Work Sites	Construction phase of Main Works Stage 1, Stage 2 and Stage 3	Waste Disposal (Chemical Waste General) Regulation, Code of Practice on the Packaging, Labelling and Storage of Chemical Waste	^
	• Chemical wastes should be stored in appropriate containers and collected by a licensed chemical waste contractor. Chemical wastes (e.g. spent lubricant oil) should be recycled at an appropriate facility as far as possible, while the chemical waste that cannot be recycled should be disposed of at either the Chemical Waste Treatment Centre, or another licensed facility, in accordance with the Waste Disposal (Chemical Waste) (General) Regulation.						^
S6.2.5.5	General Refuse						

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	Remark
	• General refuse should be stored in enclosed bins separately from construction and chemical wastes.	Minimize production of the general refuse and avoid odour, pest and litter impacts	Contractor	Work Sites	Construction phase of Main Works Stage 1, Stage 2 and Stage 3	Waste Disposal (Chemical Waste General) Regulation	^
	• Recycling bins should also be placed to encourage recycling.						^
	• Preferably enclosed and covered areas should be provided for general refuse collection and routine cleaning for these areas should also be implemented to keep areas clean.						^
	• A reputable waste collector should be employed to remove general refuse on a daily basis.						^

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	Remark
Landscape and Visual							
S7.3.1.1	Good Site Practices Measures						
	• For areas unavoidably disturbed by the Project on a short term basis e.g. works areas, the general principle to try and restore these to their former state to suit future land use, should be adhered to.	Minimize the impact to the landscape and visual	Contractor	Work Sites	Prior to construction and construction phase		N/A
	• With regard to topsoil, where identified, it should be stripped, treated appropriately, and where suitable and practical stored for re-use in the construction of the soft landscape works such as roadside amenity strips, and open space sites.						N/A
S7.3.2.1	MM4 - Tree Protection & Preservation • Existing trees to be retained within the Project Site should be carefully protected during construction. In particular Old and Valuable Trees (OVTs) will be preserved according to ETWB TC (Works) No. 29/2004. Detailed Tree Protection Specification shall be provided in the Contract Specification. Under this specification, the Contractor shall be required to submit, for approval, a detailed working method statement for the protection of trees prior to undertaking any works adjacent to all retained trees, including trees in Contractor's works areas. A detailed tree survey will be carried out for the Tree Removal Application (TRA) process which will be carried out at the later detailed design stage of the Project. The detailed tree survey will propose which trees should be retained, transplanted or felled and will include details of tree protection measures for those trees to be retained.	Protect and Preserve Trees	Designer / Contractor	Work Sites	Prior to construction and construction phase	ETWB TCW No. 29/2004 and DEVB TC(W) No.7/2015	^

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	Remark
S7.3.2.1	MM5 - Tree Transplantation • Trees unavoidably affected by the Project works should be transplanted where practical. Trees should be transplanted straight to their final receptor site and not held in a temporary nursery as far as possible. A detailed Tree Transplanting Specification shall be provided in the Contract Specification, where applicable. Sufficient time for necessary tree root and crown preparation periods shall be allowed in the project programme. A detailed transplanting proposal will be submitted to relevant government departments for approval in accordance with ETWBTC No. 2/2004 and DEVB TC(W) No. 7/2015 and final locations of transplanted trees should be agreed prior to commencement of the work. For trees associated with highways e.g. roadside planting along highways, that are unavoidably affected and should be transplanted, HyD HQ/GN/13 'Interim Guidelines for Tree Transplanting Works under Highways Department's Vegetation Maintenance Ambit' should be referred to.	Transplant Trees where suitable for transplantation	Designer / Contractor	Work Sites where possible. Otherwise consider offsite locations	Prior to construction, construction phase and operation phase	DEVB TC(W) No. 7/2015 and ETWB TCW No.2/2004 HyD HQ/GN/13 Interim Guidelines for Tree Transplanting Works under Highways Department's Vegetation Maintenance Ambit	N/A
S7.3.2.1	MM6 - Slope Landscaping						
	• Site formation should be reduced as far as possible. Hydroseeding of modified slopes should be done as soon as grading works are completed to prevent erosion and subsequent loss of landscape recourses and charter. Woodland tree seedings and/or shrubs should be planted where slope gradient and site conditions allow.	To avoid substantial slope cutting and fill slopes. To prevent erosion and subsequent loss of landscape resources and character. To ensure manmade slopes are as visually amenable as possible.	Designer / Contractor	Work Sites	Prior to construction, construction phase and operation phase	GEO Publication (1999) - Use of Vegetation as Surface Protection on Slope; GEO Publication No. 1/2011- Technical Guidelines on Landscape Treatment for Slopes	N/A
	• In addition, landscape planting should be provided for the retaining structures associated with modified slopes where conditions allow. All slope landscaping						N/A
S7.3.2.1	MM7 - Compensatory Planting						

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	Remark
	• Compensatory tree planting for felled trees shall be provided to the satisfaction of relevant Government departments. Required numbers and locations of compensatory trees shall be determined and agreed separately with Government during the Tree Removal Application process under DEVB TC(W) No. 7/2015.	Compensate for trees and shrubs lost due to the Project	Designer / Contractor	Work Sites where possible. Otherwise consider offsite locations	Prior to construction, construction phase and operation phase	DEVB TC(W) No. 7/2015 and ETWB TCW No. 2/2004	N/A
	• Compensatory planting is proposed at the potential open areas such as open spaces, amenity areas, open areas of the streetscapes, as well as the open areas within development lots.						N/A
	• Compensatory planting for shrubs should be considered in suitable locations. Native species such as *Melastoma malabathricum, Diospyros vaccinioides, Gardenia jasminoides, Ixora chinensis, Ligustrum sinense, Litsea rotundifolia, Melastoma dodecandrum, Atalantia buxifolia, Rhodomyrtus tomentosa, Rhaphiolepis indica, and Rhododendron simsii are suggested.*						N/A
S7.3.2.1	MM9 - Vertical Greening • Planting of climbers to grow up vertical surfaces were appropriate.	Soften hard surfaces and facilities	Designer / Contractor	On appropriate structures	Prior to construction, construction phase and operation phase	ETWB TCW No.11/2004 – Cyber Manual for Greening	N/A
S7.3.2.1	MM10 - Green Roof • Roof greening where appropriate should be established on proposed buildings as per the guidelines stated. These guidelines provide further details including information regarding structural loading, design, maintenance, etc. considerations as well as providing information on what types of plants might be suitable.	Reduce exposure to untreated concrete surfaces and particularly mitigate visual impact to visually sensitive receivers (VSRs) at high levels. Provide greening	Designer / Contractor	On appropriate buildings	Prior to construction, construction phase and operation phase	CIBSE HK Branch, Technical Guidelines for Green Roof Systems in Hong Kong (2011); ArchSD/Urbis Study on Green Roof Application in HK (2007)	N/A

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	Remark
S7.3.2.1	MM11 - Screen Planting • Tall screen/buffer trees and shrubs should be planted. This measure may additionally form part of the compensatory planting.	To screen proposed structures such as roads and buildings. Improve compatibility with the surrounding environment and create a pleasant pedestrian environment	Designer / Contractor	Along roads, around suitable built structures, or around VSRs to contain their view out to the structures.	Prior to construction, construction phase and operation phase	ETWB TCW No. 10/2013 and 3/2006	N/A
S7.3.2.1	MM16 - Screen Hoarding • Screen hoarding shall be erected along areas of the construction works site boundary where the works site borders publically accessible routes and/or is close to visually sensitive receivers (VSRs). It is proposed that the screening be compatible with the surrounding environment and where possible, non-reflective, recessive colours be used. Any works areas near the ecological sensitive areas should erect 2m high dull green site boundary fence. Details can refer to the ecological impact assessment. [Chapter 13 of the EIA Report of NENT NDAs (Register No. AEIAR-175- 2013)]	To screen undesirable views of the works site.	Designer	Work Sites	Construction phase		N/A
S7.3.2.1	MM17 - Light Control • Construction day and night time lighting should be controlled to minimize glare impact to adjacent VSRs during the Construction phase. Street and night time lighting shall also be controlled to minimize glare impact to adjacent VSRs during the operation phase.	To minimize glare impact to adjacent VSRs.	Designer / Contractor	Work Sites and/or the Plant	Construction phase and operation phase		N/A

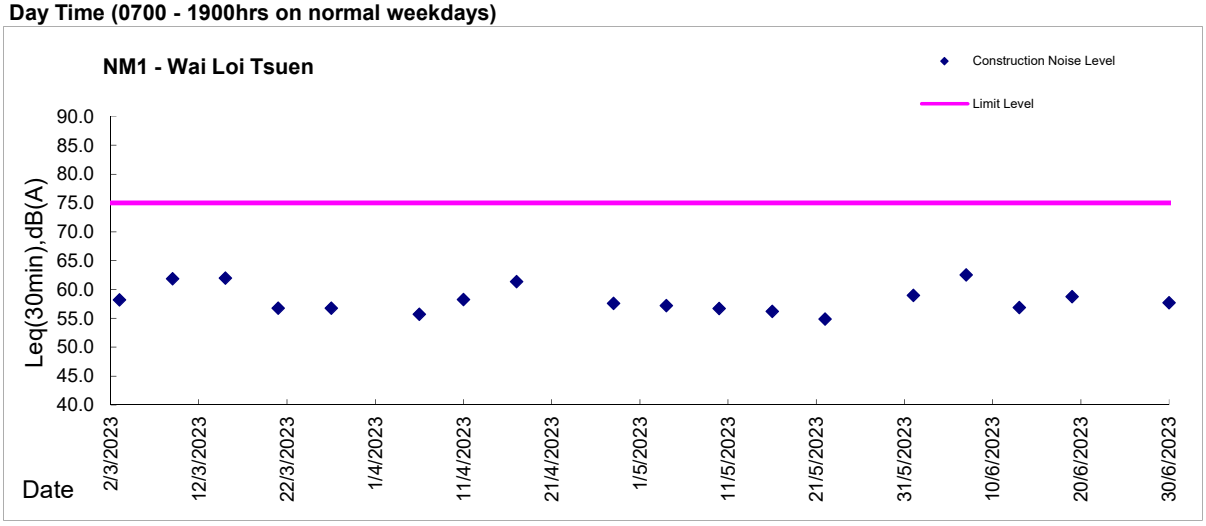
Remarks:
^ Implemented
* To be followed-up by Contractor
# Not Implemented
N/A Not Applicable

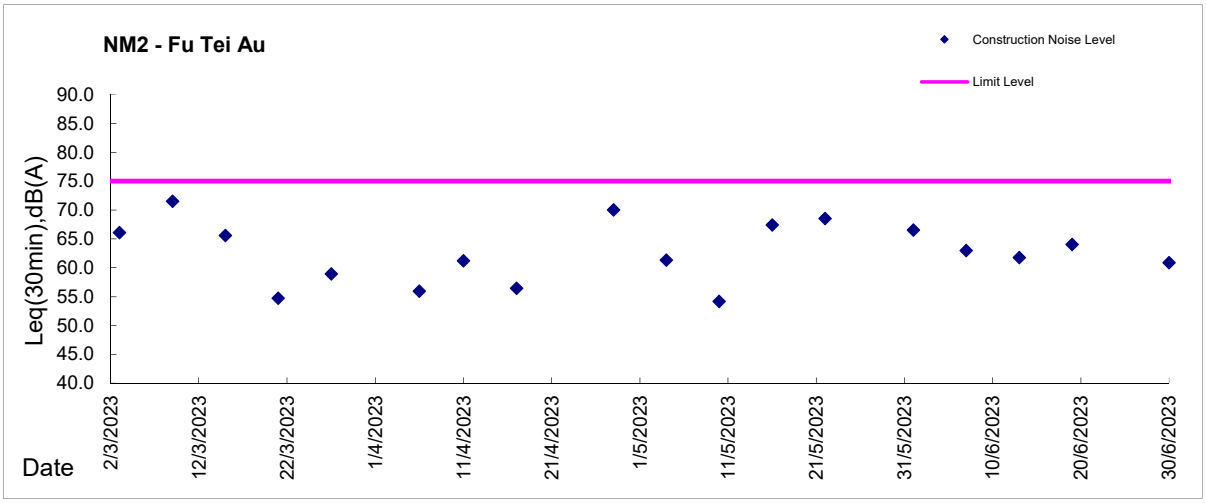
Appendix 3.4

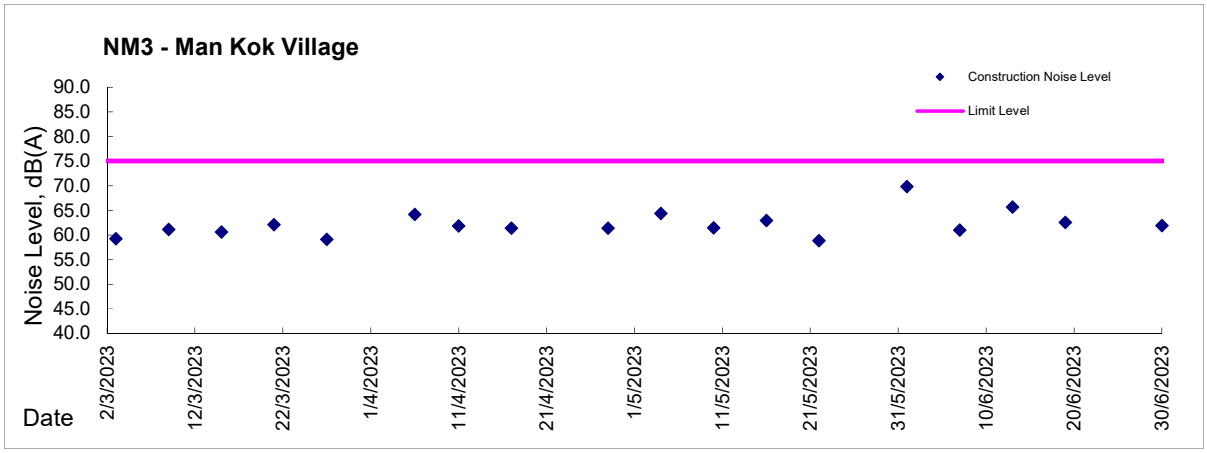
Noise Monitoring Graphical Presentations

Graphic Presentation of Noise Monitoring Result

Day Time (0700 - 1900hrs on normal weekdays)



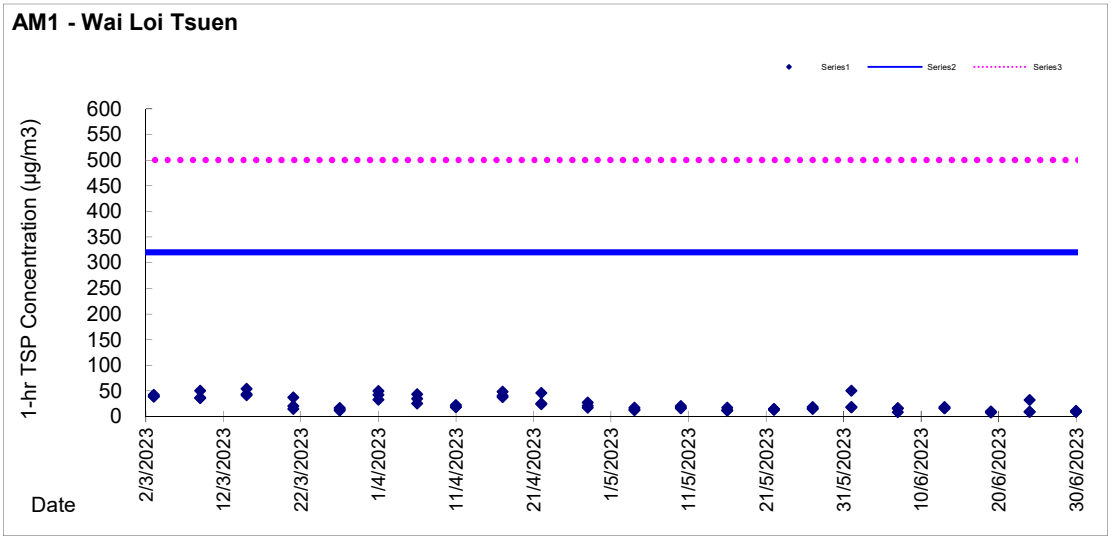


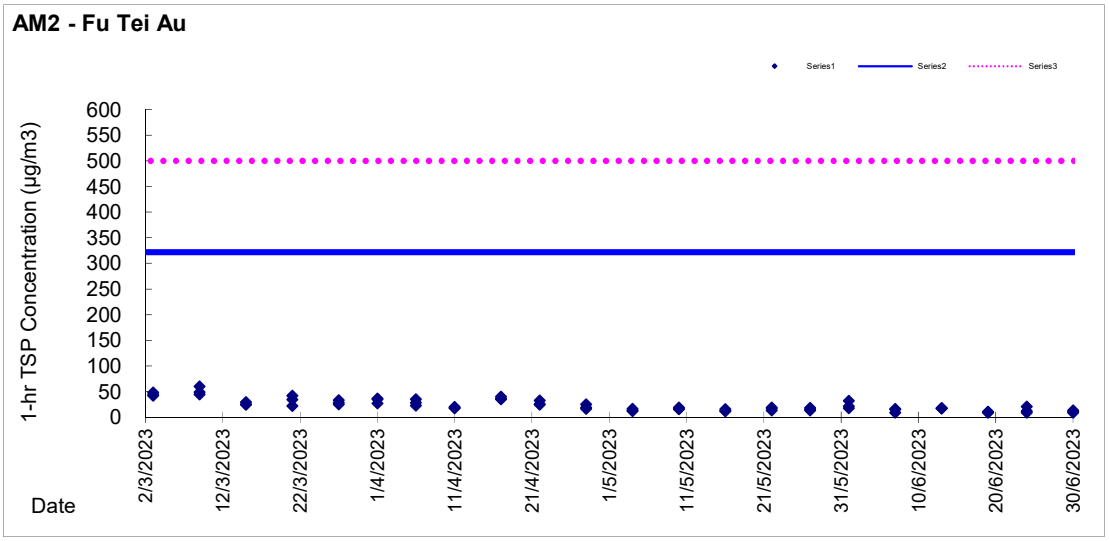


Appendix 3.5

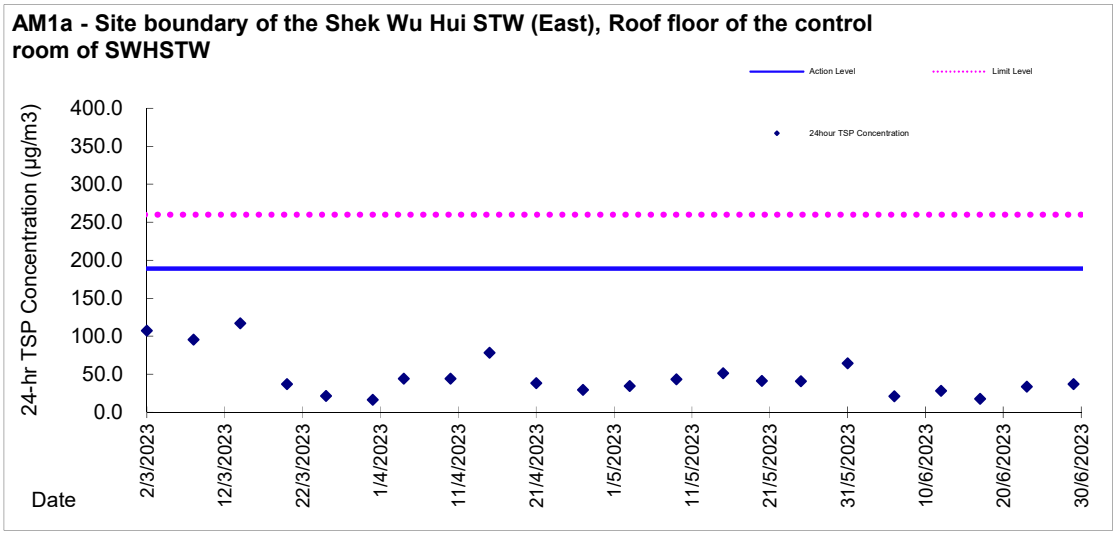
Air Quality Monitoring Graphical Presentations

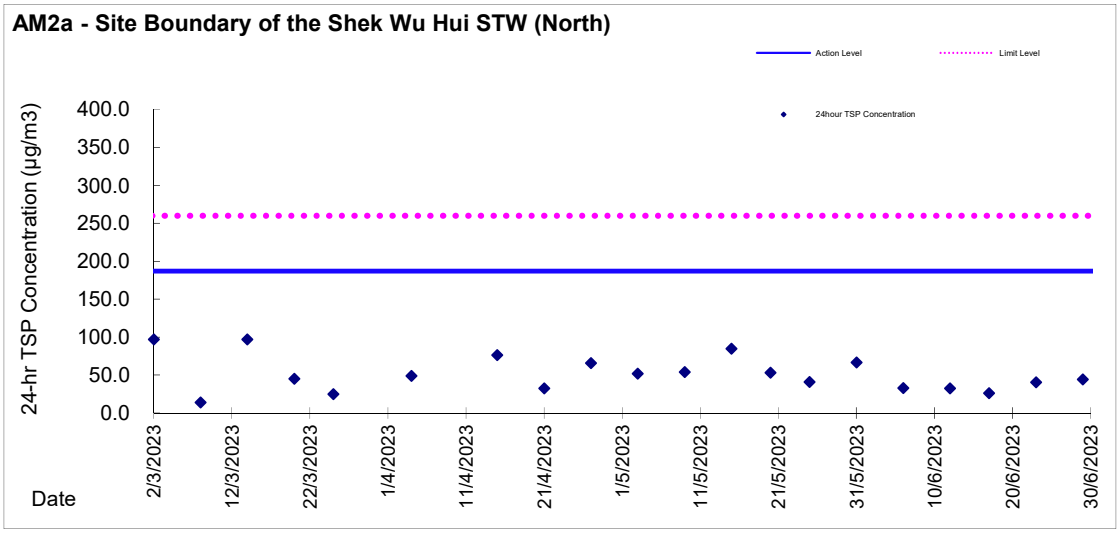
Graphic Presentation of TSP Result





Graphic Presentation of TSP Result





1. 24hr-TSP monitoring at AM2a was suspended on 10 Apr 2023 due to power failure.

Appendix 3.6

Details of Ecological Monitoring Results in the Reporting Period

Details of Ecological Monitoring Results in the Reporting Quarter

Reporting period: April to June 2023

Summary Result of T-Test Analysis for All Waterbird

Month	T-values of Data		Confidence Level (Critical Value)	
			95% (-2.353)	99% (-4.541)
April 2023	Abundance	Monthly	✓	✓
		Seasonal	✓	✓
		Overall	✓	✓

Month	T-values of Data		Confidence Level (Critical Value)	
			95% (-2.353)	99% (-4.541)
May 2023	Abundance	Monthly	✓	✓
		Seasonal	✓	✓
		Overall	✓	✓

Month	T-values of Data		Confidence Level (Critical Value)	
			95% (-2.132)	99% (-3.747)
June 2023	Abundance	Monthly	✓	✓
		Seasonal	✓	✓
		Overall	✓	✓

Remarks:
✓ = T-value falls within the confidence level; the impact monitoring data shows no significant difference to the baseline data.
✗ = T-value falls outside the confidence level; the impact monitoring data shows significant difference to the baseline data.

Summary of Abundance of Representative Waterbirds in the Reporting Period

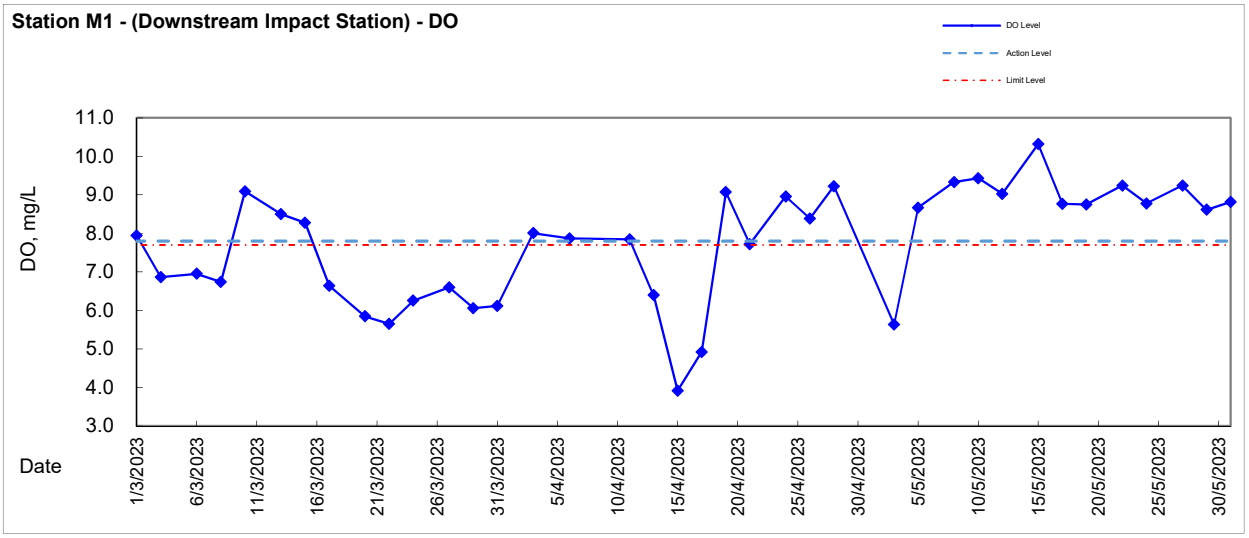
Representative Species			Compliance		
Species Name	**Common Name**	**Chinese Name**	**April 2023**	**May 2023**	**June 2023**
Egretta garzetta	Little Egret	小白鷺	✓	✓	✓
Ardea cinerea	Grey Heron	蒼鷺	NA*		
Ardeola bacchus	Chinese Pond Heron	池鷺	✓	✓	✓
Phalacrocorax carbo	Great Cormorant	普通鸕鷀	NA*		
Ardea alba	Great Egret	大白鷺	✓	✓	✓
Bubulcus coromandus	Eastern Cattle Egret	牛背鷺	✓	✓	✓

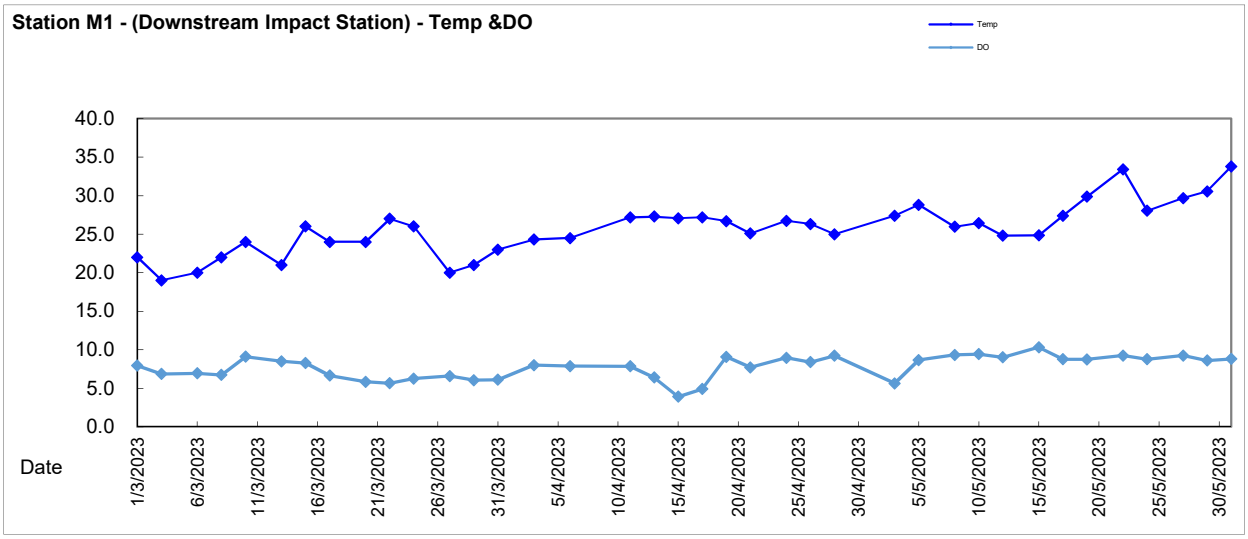
Remarks:
✓ = T-value falls within the confidence level; the impact monitoring data shows no significant difference to the baseline data.
✗ = T-value falls outside the confidence level; the impact monitoring data shows significant difference to the baseline data.
*= Great Cormorant (*Phalacrocorax carbo*) and Grey Heron (*Ardea cinerea*) were not recognised as representative waterbird species during wet season.

Appendix 3.7

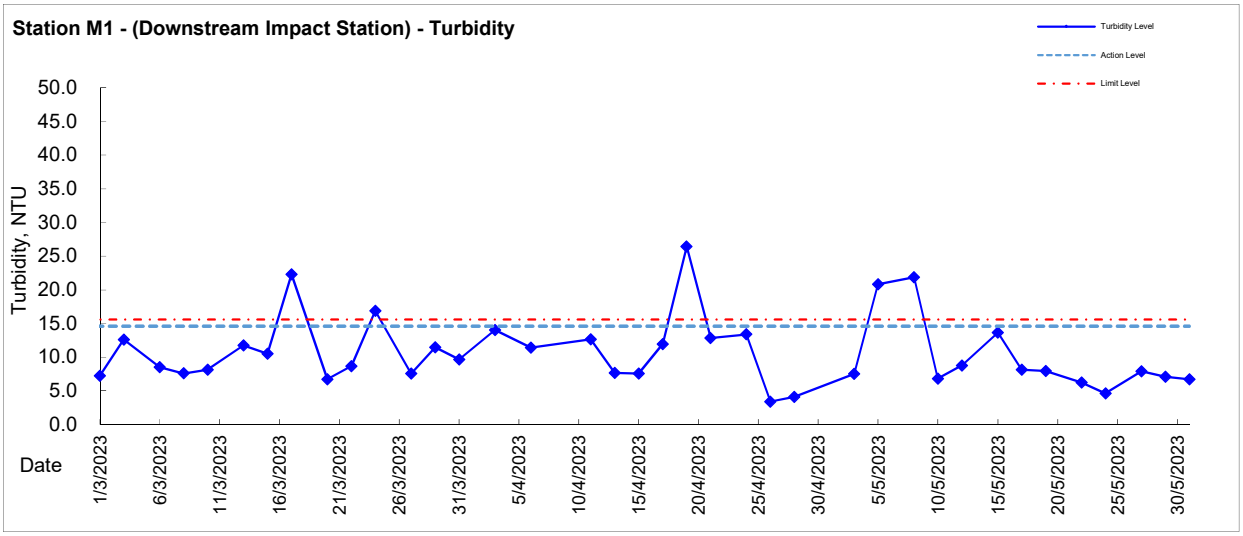
Water Quality Monitoring Graphical Presentations

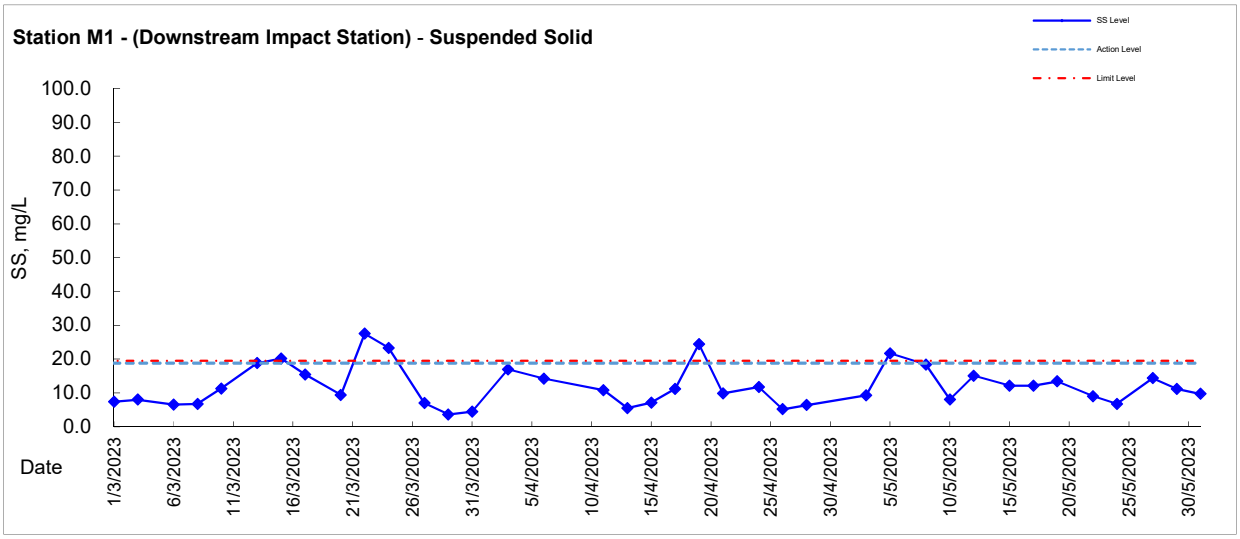
Graphic Presentation of WQM Result



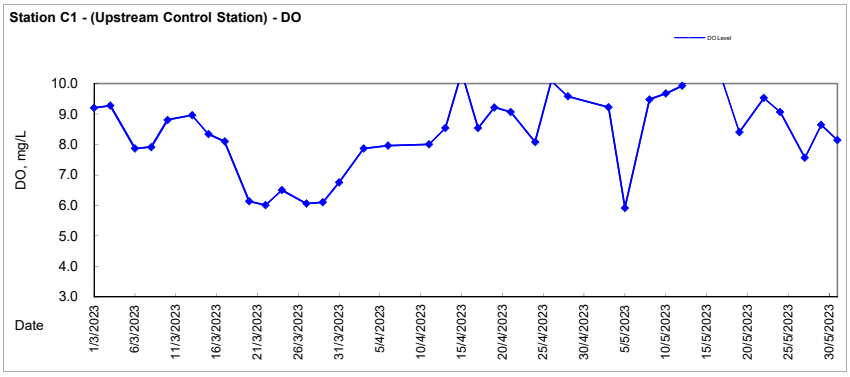


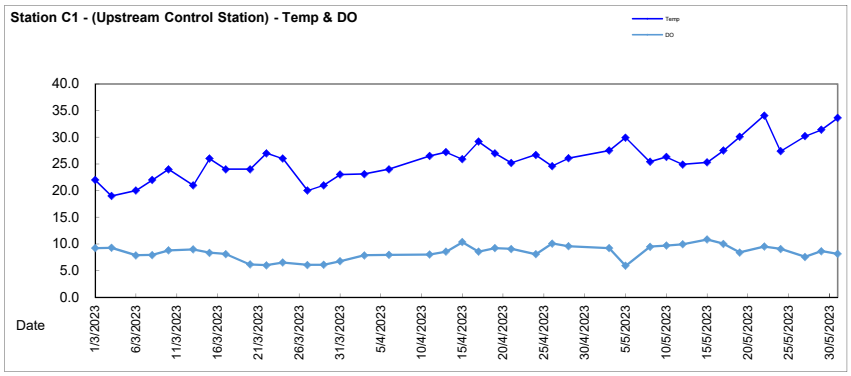
Graphic Presentation of WQM Result

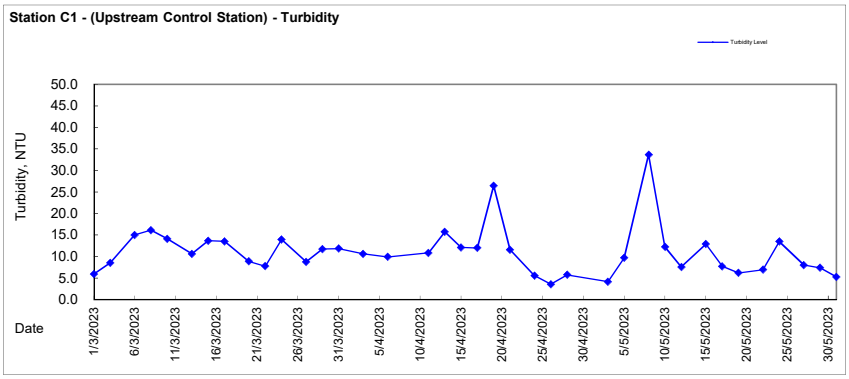


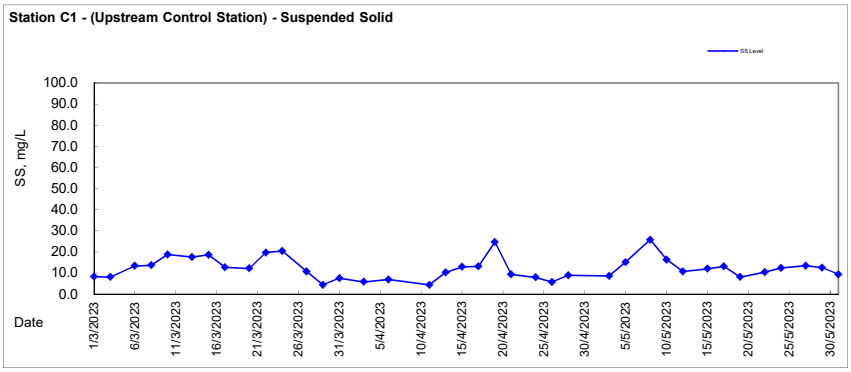


Graphic Presentation of WQM Result









1. The water quality monitoring has been suspended since 1 June 2023.

Appendix 3.8

Waste Flow Table

Name of Department: DSD

Contract No. DC/2018/06

Monthly Summary Waste Flow Table for 2023

Month	Actual Quantities of Inert C&D Materials Generated Monthly						Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper/ cardboard packaging	Plastics	Chemical Waste	Others, e.g. general refuse
	(in '000m3)	(in '000m3)	(in '000m3)	(in '000m3)	(in '000m3)	(in '000m3)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m3)
Jan	0.442	0.000	0.000	0.000	0.442	3.796	0.000	0.000	0.000	0.000	0.061
Feb	1.381	0.000	0.000	0.000	1.381	2.962	0.000	0.000	0.000	0.000	0.078
Mar	2.528	0.000	0.000	0.000	2.528	3.530	0.000	0.000	0.000	0.000	0.090
Apr	1.633	0.000	0.000	0.000	1.633	0.280	0.000	0.000	0.000	0.000	0.083
May	2.067	0.000	0.000	0.000	2.067	0.791	0.000	0.000	0.000	0.000	0.073
Jun	1.013	0.000	0.000	0.000	1.013	0.250	0.000	0.000	0.000	0.000	0.084
Sub-total	9.064	0.000	0.000	0.000	9.064	11.609	0.000	0.000	0.000	0.000	0.469
Jul											
Aug											
Sep											
Oct											
Nov											
Dec											
Total	9.064	0.000	0.000	0.000	9.064	11.609	0.000	0.000	0.000	0.000	0.469

Notes:

1. Assume the density of soil fill is 2 ton/m3.
2. Assume the density of rock and broken concrete is 2.5 ton/m3.
3. Assume the density of general refuse is 0.9 ton/m3.
4. Assume density of waste oil is assued to be 0.8 kg/L.
5. The inert C&D materials except slurry and bentonite are disposed at Tuen Mun 38.
6. The non-inert C&D wastes are disposed at NENT.

Name of Department: DSD

Contract No. DC/2018/07

Monthly Summary Waste Flow Table for 2023

Month	Actual Quantities of Inert C&D Materials Generated Monthly						Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper/ cardboard packaging	Plastics	Chemical Waste	Others, e.g. general refuse
	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m3)
Jan	8.960	0.000	0.000	0.000	8.960	0.089	0.00	0.000	0.000	0.000	0.025
Feb	3.950	0.000	0.000	0.000	3.950	0.043	0.00	0.000	0.000	0.000	0.070
Mar	0.341	0.000	0.000	0.000	0.341	0.000	0.00	0.000	0.000	0.000	0.074
Apr	0.213	0.000	0.000	0.000	0.213	0.000	0.00	0.000	0.000	0.000	0.047
May	1.877	0.000	0.000	0.000	1.877	0.000	0.00	0.000	0.000	0.000	0.072
Jun	1.004	0.000	0.000	0.000	1.004	0.093	0.00	0.000	0.000	0.000	0.065
Sub-total	16.346	0.000	0.000	0.000	16.346	0.225	0.000	0.000	0.000	0.000	0.352
Jul											
Aug											
Sep											
Oct											
Nov											
Dec											
Total	16.346	0.000	0.000	0.000	16.346	0.225	0.000	0.000	0.000	0.000	0.352

Notes:

1. Assume the density of soil fill and special waste (i.e. sediment from DSD sedimentation tank) is 2 ton/m3.
2. Assume the density of rock and broken concrete is 2.5 ton/m3
3. Assume the density of general refuse is 0.9 ton/m3
4. Density of waste oil is assued to be 0.8 kg/L. Chemical waste includes waste oil.
5. The inert C&D materials except slurry and bentonite are disposed at Tuen Mun 38
6. The slurry and bentonite are disposed at Tseung Kwun O 137
7. The non-inert C&D wastes, including general refuse & special waste (i.e. sediment from DSD sedimentation tank) are disposed at NENT

EM&A Monthly Reporting Template (cut-off at the end of each month)

Name of Department: ~~ArchSD/CEDD~~/DSD/~~EMSD/HyD/WSD~~ Contract No.: DE/2018/03

Monthly Summary Waste Flow Table for 2023 (year)

Month	Actual Quantities of Inert C&D Materials Generated Monthly						Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper/ cardboard packaging	Plastics (see Note 3)	Chemical Waste	Others, e.g. general refuse
	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000m^3)	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m^3)
Jan	0	0	0	0	0	0	0	0.13	0	0	10.51T
Feb	0	0	0	0	0	0	0	0	0	0	17.33T
Mar	0	0	0	0	0	0	0	0.155	0.01	0	18.31T
Apr	0	0	0	0	0	0	4.81	0	0	0	12.62T
May	0	0	0	0	0	0	8.66	0.154	0	0	15.69T
June	0	0	0	0	0	0	75.09	0.155	0.01	0	33.4T
Sub-total	0	0	0	0	0	0	88.56	0.594	0.02	0	107.86t
July											
Aug											
Sept											
Oct											
Nov											
Dec											
Total	0	0	0	0	0	0	88.56	0.594	0.02	0	107.86t

Name of Department: DSD Contract No.: DE/2018/04

Monthly Summary Waste Flow Table for 2023 (year)

Month	Actual Quantities of Inert C&D Materials Generated Monthly						Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper/ cardboard packaging	Plastics (see Note 2)	Chemical Waste	Others, e.g. general refuse
	(in '000 kg)	(in '000 kg)	(in '000 kg)	(in '000 kg)	(in '000 kg)	(in '000 kg)	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000 kg)
Jan	7.26	0	0	0	7.26	0	0	0	0	0	0
Feb	0	0	0	0	0	0	0	0	0	0	1.97
Mar	0	0	0	0	0	0	0	0	0	0	0
Apr	0	0	0	0	0	0	36.23	0	0	0.8	0
May	0	0	0	0	0	0	0	0	0	0	1.06
June	74.73	0	0	0	74.73	0	0	0	0	0	2.05
Sub-total	81.99	0	0	0	81.99	0	36.23	0	0	0.8	5.08
July											
Aug											
Sept											
Oct											
Nov											
Dec											
Total	81.99	0	0	0	81.99	0	36.23	0	0	0.8	5.08

Appendix 4.1

Summary of Notification of Exceedance

Summary for Notification of Exceedance

Reporting period: April to June 2023

Air Quality

Ref No.	Date	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up Action
-	-	-	-	-	-	-	-

Construction Noise

Ref. No.	Date	Time	Location	Construction Noise Level	Parameter	Action Level	Limit Level	Follow-up action
-	-	-	-	-	-	-	-	-

Ecology: Nil

Water Quality

Ref no.	Date	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action	Ref no.
SWH_047_w	3-Apr-23	M1	Turbidity (NTU)	**14.04 NTU (Limit Level Exceedance)**	>12.72 NTU (>120% of C1)	>13.78 NTU (>130% of C1)	Cause of Exceedance:	Rubbish and debris trapped by the concrete blocks placed between the control station and the monitoring station.
			SS (mg/L)	**17.00 mg/L (Limit Level Exceedance)**	>7.02 mg/L (>120% of C1)	>7.61 mg/L (>130% of C1)	ET's conclusions and recommendations for mitigation:	Exceedance not related to project, advised contractor to maintain on-going water mitigation measures.
							Contractor's actions to implement the mitigation:	Construction activities were checked; Outfall was checked and no soil or water dropped from outfall was observed.
		C1 (Control Station for comparing to the impact station - M1)	Turbidity (NTU) SS (mg/L)	10.60 NTU 5.85 mg/L			Action taken under EAP:	1. ET repeated in situ measurement immediately to confirm findings, the difference between 1st and 2nd monitoring results was very small. 2. ET checked the monitoring data, plant and equipment, and no abnormality was identified. 3. According to ET's field staff's on site observation and the record of ER's site diary, no works have been conducted at the outfall. 4. ET checked the site boundary near the Ng Tung River and did not discover any discharge of muddy water or site runoff from the site. 5. After the recording of the exceedance, ET tried to identify the source of the exceedance immediately, the only pollution identified was the large amount of rubbish and debris trapped by the concrete blocks placed between the control station and the monitoring station. 6. Notification of Exceedance was sent to IEC and ER.
SWH_048_w	6-Apr-23	M1	SS (mg/L)	**14.25 mg/L (Limit Level Exceedance)**	>8.40 mg/L (>120% of C1)	>9.10 mg/L (>130% of C1)	Cause of Exceedance:	Rubbish and debris trapped by the concrete blocks placed between the control station and the monitoring station.
							ET's conclusions and recommendations for mitigation:	Exceedance not related to project, advised contractor to maintain on-going water mitigation measures.
							Contractor's actions to implement the mitigation:	Construction activities were checked; Outfall was checked and no soil or water dropped from outfall was observed.
		C1 (Control Station for comparing to the impact station - M1)	SS (mg/L)	7.00 mg/L			Action taken under EAP:	1. ET repeated in situ measurement immediately to confirm findings, the difference between 1st and 2nd monitoring results was very small. 2. ET checked the monitoring data, plant and equipment, and no abnormality was identified. 3. According to ET's field staff's on site observation and the record of ER's site diary, no works have been conducted at the outfall. 4. ET checked the site boundary near the Ng Tung River and did not discover any discharge of muddy water or site runoff from the site. 5. After the recording of the exceedance, ET tried to identify the source of the exceedance immediately, the only pollution identified was the large amount of rubbish and debris trapped by the concrete blocks placed between the control station and the monitoring station. 6. Notification of Exceedance was sent to IEC and ER.
SWH_049_w	11-Apr-23	M1	SS (mg/L)	**10.85 mg/L (Limit Level Exceedance)**	>5.28 mg/L (>120% of C1)	>5.72 mg/L (>130% of C1)	Cause of Exceedance:	Rubbish and debris trapped by the concrete blocks placed between the control station and the monitoring station.

							ET's conclusions and recommendations for mitigation:	Exceedance not related to project, advised contractor to maintain on-going water mitigation measures.
							Contractor's actions to implement the mitigation:	Construction activities were checked; Outfall was checked and no soil or water dropped from outfall was observed.
		C1 (Control Station for comparing to the impact station - M1)	SS (mg/L)	4.40 mg/L			Action taken under EAP:	1. ET repeated in situ measurement immediately to confirm findings, the difference between 1st and 2nd monitoring results was very small. 2. ET checked the monitoring data, plant and equipment, and no abnormality was identified. 3. According to the record of ER's site diary, the only work conducted at the outfall was to erect formwork to staircase beside outfall. 4. According to ET's field staff's on site observation, the formwork erection only took place well-above the water level with water mitigation measures implemented (provision of concrete blocks and plastic barriers), therefore it should not cause any negative impact on the water quality. 5. ET checked the site boundary near the Ng Tung River and did not discover any discharge of muddy water or site runoff from the site. 6. After the recording of the exceedance, ET tried to identify the source of the exceedance immediately, the only pollution identified was the large amount of rubbish and debris trapped by the concrete blocks placed between the control station and the monitoring station. 7. Notification of Exceedance was sent to IEC and ER.
SWH_ 050_w	13-Apr-23	M1	DO (mg/L)	**6.40 mg/L (Limit Level Exceedance)**	<7.8 mg/L	<7.7 mg/L	Cause of Exceedance:	Rubbish and debris trapped by the concrete blocks placed between the control station and the monitoring station.
							ET's conclusions and recommendations for mitigation:	Exceedance not related to project, advised contractor to maintain on-going water mitigation measures.
							Contractor's actions to implement the mitigation:	Construction activities were checked; Outfall was checked and no soil or water dropped from outfall was observed.
		C1 (Control Station for comparing to the impact station - M1)	DO (mg/L)	8.54 mg/L			Action taken under EAP:	1. ET repeated in situ measurement immediately to confirm findings, the difference between 1st and 2nd monitoring results was very small. 2. ET checked the monitoring data, plant and equipment, and no abnormality was identified. 3. According to the record of ER's site diary, the only work conducted at the outfall was to pour concrete to staircase beside outfall. 4. According to ET's field staff's on site observation, concrete has not been poured during the water quality monitoring, therefore it is considered that no construction work took place at the outfall during the water quality monitoring that cause negative impact on the water quality. 5. ET checked the site boundary near the Ng Tung River and did not discover any discharge of muddy water or site runoff from the site. 6. After the recording of the exceedance, ET tried to identify the source of the exceedance immediately, the only pollution identified was the large amount of rubbish and debris trapped by the concrete blocks placed between the control station and the monitoring station. 7. Notification of Exceedance was sent to IEC and ER.

SWH_051_w	15-Apr-23	M1	DO (mg/L)	**3.92 mg/L (Limit Level Exceedance)**	<7.8 mg/L	<7.7 mg/L	Cause of Exceedance:	Rubbish and debris trapped by the concrete blocks placed between the control station and the monitoring station.
							ET's conclusions and recommendations for mitigation:	Exceedance not related to project, advised contractor to maintain on-going water mitigation measures.
							Contractor's actions to implement the mitigation:	Construction activities were checked; Outfall was checked and no soil or water dropped from outfall was observed.
		C1 (Control Station for comparing to the impact station - M1)	DO (mg/L)	10.37 mg/L			Action taken under EAP:	1. ET repeated in situ measurement immediately to confirm findings, the difference between 1st and 2nd monitoring results was very small. 2. ET checked the monitoring data, plant and equipment, and no abnormality was identified. 3. According to ET's field staff's on site observation and the record of ER's site diary, no works have been conducted at the outfall. 4. ET checked the site boundary near the Ng Tung River and did not discover any discharge of muddy water or site runoff from the site. 5. After the recording of the exceedance, ET tried to identify the source of the exceedance immediately, the only pollution identified was the large amount of rubbish and debris trapped by the concrete blocks placed between the control station and the monitoring station. 6. Notification of Exceedance was sent to IEC and ER.
SWH_052_w	17-Apr-23	M1	DO (mg/L)	**4.92 mg/L (Limit Level Exceedance)**	<7.8 mg/L	<7.7 mg/L	Cause of Exceedance:	Rubbish and debris trapped by the concrete blocks placed between the control station and the monitoring station.
							ET's conclusions and recommendations for mitigation:	Exceedance not related to project, advised contractor to maintain on-going water mitigation measures.
							Contractor's actions to implement the mitigation:	Construction activities were checked; Outfall was checked and no soil or water dropped from outfall was observed.
		C1 (Control Station for comparing to the impact station - M1)	DO (mg/L)	8.54 mg/L			Action taken under EAP:	1. ET repeated in situ measurement immediately to confirm findings, the difference between 1st and 2nd monitoring results was very small. 2. ET checked the monitoring data, plant and equipment, and no abnormality was identified. 3. According to ET's field staff's on site observation and the record of ER's site diary, no works have been conducted at the outfall. 4. ET checked the site boundary near the Ng Tung River and did not discover any discharge of muddy water or site runoff from the site. 5. After the recording of the exceedance, ET tried to identify the source of the exceedance immediately, the only pollution identified was the large amount of rubbish and debris trapped by the concrete blocks placed between the control station and the monitoring station. 6. Notification of Exceedance was sent to IEC and ER.

SWH_053_w	19-Apr-23	M1	Turbidity (NTU)	**26.41 NTU (Limit Level Exceedance)**	>14.6 NTU	>15.6 NTU	Cause of Exceedance:	Unknown pollution source from upstream of control station
			SS (mg/L)	**24.50 mg/L (Limit Level Exceedance)**	>18.8 mg/L	>19.5 mg/L	ET's conclusions and recommendations for mitigation:	Exceedance not related to project, advised contractor to maintain on-going water mitigation measures.
							Contractor's actions to implement the mitigation:	Construction activities were checked; Outfall was checked and no soil or water dropped from outfall was observed.
		C1 (Control Station for comparing to the impact station - M1)	Turbidity (NTU)	26.45 NTU			Action taken under EAP:	1. ET repeated in situ measurement immediately to confirm findings, the difference between 1st and 2nd monitoring results was very small. 2. ET checked the monitoring data, plant and equipment, and no abnormality was identified. 3. According to the record of ER's site diary, the only work conducted at the outfall was to erect formwork to staircase and slab. 4. According to ET's field staff's on site observation, the formwork erection only took place well-above the water level with water mitigation measures implemented (provision of concrete blocks and plastic barriers), therefore it should not cause any negative impact on the water quality. 5. ET checked the site boundary near the Ng Tung River and did not discover any discharge of muddy water or site runoff from the site. 6. ET tried to identify the source of the exceedance immediately, but no obvious pollution source was identified. 7. With respect to the fact that the measured values of turbidity and SS at the control station is even slightly higher than the one at the monitoring station, it suggested that the background water quality had exceeded the limit level before being affected by the Project site during this WQM. 8. Notification of Exceedance was sent to IEC and ER.
			SS (mg/L)	24.70 mg/L				
SWH_054_w	21-Apr-23	M1	DO (mg/L)	**7.72 mg/L (Action Level Exceedance)**	<7.8 mg/L	<7.7 mg/L	Cause of Exceedance:	Rubbish and debris trapped by the concrete blocks placed between the control station and the monitoring station.
							ET's conclusions and recommendations for mitigation:	Exceedance not related to project, advised contractor to maintain on-going water mitigation measures.
							Contractor's actions to implement the mitigation:	Construction activities were checked; Outfall was checked and no soil or water dropped from outfall was observed.
							Action taken under EAP:	1. ET repeated in situ measurement immediately to confirm findings, the difference between 1st and 2nd monitoring results was very small. 2. ET checked the monitoring data, plant and equipment, and no abnormality was identified. 3. According to ET's field staff's on site observation and the record of ER's site diary, no works have been conducted at the outfall. 4. ET checked the site boundary near the Ng Tung River and did not discover any discharge of muddy water or site runoff from the site. 5. After the recording of the exceedance, ET tried to identify the source of the exceedance immediately, the only pollution identified was the large amount of rubbish and debris trapped by the concrete blocks placed between the control station and the monitoring station. 6. Notification of Exceedance was sent to IEC and ER.

SWH_ 055_w	24-Apr-23	M1	Turbidity (NTU)	**13.40 NTU (Limit Level Exceedance)**	>6.68 NTU (>120% of C1)	>7.24 NTU (>130% of C1)	Cause of Exceedance:	Rubbish and debris trapped by the concrete blocks placed between the control station and the monitoring station.
			SS (mg/L)	**11.80 mg/L (Limit Level Exceedance)**	>9.54 mg/L (>120% of C1)	>10.34 mg/L (>130% of C1)	ET's conclusions and recommendations for mitigation:	Exceedance not related to project, advised contractor to maintain on-going water mitigation measures.
							Contractor's actions to implement the mitigation:	Construction activities were checked; Outfall was checked and no soil or water dropped from outfall was observed.
							Action taken under EAP:	1. ET repeated in situ measurement immediately to confirm findings, the difference between 1st and 2nd monitoring results was very small. 2. ET checked the monitoring data, plant and equipment, and no abnormality was identified. 3. According to the record of ER's site diary, the works conducted at the outfall were to erect formwork and place steel mesh for U-channel reinstatement. 4. According to ET's field staff's on site observation, the works only took place well-above the water level with water mitigation measures implemented (provision of concrete blocks and plastic barriers), therefore it should not cause any negative impact on the water quality. 5. ET checked the site boundary near the Ng Tung River and did not discover any discharge of muddy water or site runoff from the site. 6. After the recording of the exceedance, ET tried to identify the source of the exceedance immediately, the only pollution identified was the large amount of rubbish and debris trapped by the concrete blocks placed between the control station and the monitoring station. 7. Notification of Exceedance was sent to IEC and ER.
SWH_ 056_w	3-May-23	M1	DO (mg/L)	**5.64 mg/L (Limit Level Exceedance)**	<7.8 mg/L	<7.7 mg/L	Cause of Exceedance:	Rubbish and debris trapped by the concrete blocks placed between the control station and the monitoring station.
			Turbidity (NTU)	**7.53 NTU (Limit Level Exceedance)**	>4.97NTU (>120% of C1)	>5.38 NTU (>130% of C1)	ET's conclusions and recommendations for mitigation:	Exceedance not related to project, advised contractor to maintain on-going water mitigation measures.
							Contractor's actions to implement the mitigation:	Construction activities were checked; Outfall was checked and no soil or water dropped from outfall was observed.
		C1 (Control Station for comparing to the impact station - M1)	DO (mg/L)	9.22 mg/L			Action taken under EAP:	1. ET repeated in situ measurement immediately to confirm findings, the difference between 1st and 2nd monitoring results was very small. 2. ET checked the monitoring data, plant and equipment, and no abnormality was identified. 3. Notification of Exceedance was sent to IEC and ER. 4. According to the record of ER's site diary, no works have been conducted at the outfall. 5. ET checked the site boundary near the Ng Tung River and did not discover any discharge of muddy water or site runoff from the site. 6. After the recording of the exceedance, ET tried to identify the source of the exceedance immediately, the only pollution identified was the large amount of rubbish and debris trapped by the concrete blocks placed between the control station and the monitoring station.
			Turbidity (NTU)	4.14 NTU				

SWH_057_w	5-May-23	M1	Turbidity (NTU)	**20.85 NTU (Limit Level Exceedance)**	>11.68NTU (>120% of C1)	>12.65 NTU (>130% of C1)	Cause of Exceedance:	Rubbish and debris trapped by the concrete blocks placed between the control station and the monitoring station.
			SS (mg/L)	**21.75 mg/L (Limit Level Exceedance)**	>18.8 mg/L	>19.5 mg/L	ET's conclusions and recommendations for mitigation:	Exceedance not related to project, advised contractor to maintain on-going water mitigation measures.
							Contractor's actions to implement the mitigation:	Construction activities were checked; Outfall was checked and no soil or water dropped from outfall was observed.
		C1 (Control Station for comparing to the impact station - M1)	Turbidity (NTU)	9.73 NTU			Action taken under EAP:	1. ET repeated in situ measurement immediately to confirm findings, the difference between 1st and 2nd monitoring results was very small. 2. ET checked the monitoring data, plant and equipment, and no abnormality was identified. 3. Notification of Exceedance was sent to IEC and ER. 4. According to the record of ER's site diary, no works have been conducted at the outfall. 5. ET checked the site boundary near the Ng Tung River and did not discover any discharge of muddy water or site runoff from the site. 6. After the recording of the exceedance, ET tried to identify the source of the exceedance immediately, the only pollution identified was the large amount of rubbish and debris trapped by the concrete blocks placed between the control station and the monitoring station.
			SS (mg/L)	15.15 mg/L				
SWH_058_w	8-May-23	M1	Turbidity (NTU)	**21.88 NTU (Limit Level Exceedance)**	>14.6 NTU	>15.6 NTU	Cause of Exceedance:	Unknown pollution source from upstream of Ng Tung River
							ET's conclusions and recommendations for mitigation:	Exceedance not related to project, advised contractor to maintain on-going water mitigation measures.
		C1 (Control Station for comparing to the impact station - M1)	Turbidity (NTU)	33.68 NTU			Contractor's actions to implement the mitigation:	Construction activities were checked; Outfall was checked and no soil or water dropped from outfall was observed.
							Action taken under EAP:	1. ET repeated in situ measurement immediately to confirm findings, the difference between 1st and 2nd monitoring results was very small. 2. ET checked the monitoring data, plant and equipment, and no abnormality was identified. 3. Notification of Exceedance was sent to IEC and ER. 4. According to the record of ER's site diary, no works have been conducted at the outfall. 5. ET checked the site boundary near the Ng Tung River and did not discover any discharge of muddy water or site runoff from the site. 6. After the recording of the exceedance, ET tried to identify the source of the exceedance immediately, no pollution source can be observed. 7. With respect to the fact that the measured values of turbidity at the control station is even much higher than the one at the monitoring station, it suggested that the background water quality had exceeded the limit level before being affected by the Project site during this WQM.
SWH_059_w	12-May-23	M1	SS (mg/L)	**15.10 mg/L (Limit Level Exceedance)**	>12.96 mg/L (>120% of C1)	>14.04 mg/L (>130% of C1)	Cause of Exceedance:	Soil and debris deposited on the riverbank being washed into the river by heavy rainfall

							ET's conclusions and recommendations for mitigation:	Exceedance not related to project, advised contractor to maintain on-going water mitigation measures.
							Contractor's actions to implement the mitigation:	Construction activities were checked; Outfall was checked and no soil or water dropped from outfall was observed.
		C1 (Control Station for comparing to the impact station - M1)	SS (mg/L)	10.08 mg/L			Action taken under EAP:	1. ET repeated in situ measurement immediately to confirm findings, the difference between 1st and 2nd monitoring results was very small. 2. ET checked the monitoring data, plant and equipment, and no abnormality was identified. 3. Notification of Exceedance was sent to IEC and ER. 4. According to the record of ER's site diary, no works have been conducted at the outfall. 5. ET checked the site boundary near the Ng Tung River and did not discover any discharge of muddy water or site runoff from the site. 6. After the recording of the exceedance, ET tried to identify the source of the exceedance immediately, and observed that soil and debris deposited on the riverbank were being washed into the river after rainfall event.
SWH_ 060_w	19-May-23	M1	Turbidity (NTU)	**7.98 NTU (Action Level Exceedance)**	>7.42 NTU (>120% of C1)	>8.04 NTU (>130% of C1)	Cause of Exceedance:	Soil and debris deposited on the riverbank being washed into the river by heavy rainfall
			SS (mg/L)	**13.45 mg/L (Limit Level Exceedance)**	>9.72 mg/L (>120% of C1)	>10.53 mg/L (>130% of C1)	ET's conclusions and recommendations for mitigation:	Exceedance not related to project, advised contractor to maintain on-going water mitigation measures.
		C1 (Control Station for comparing to the impact station - M1)	Turbidity (NTU)	6.19 NTU			Contractor's actions to implement the mitigation:	Construction activities were checked; Outfall was checked and no soil or water dropped from outfall was observed.
			SS (mg/L)	8.10 mg/L			Action taken under EAP:	1. ET repeated in situ measurement immediately to confirm findings, the difference between 1st and 2nd monitoring results was very small. 2. ET checked the monitoring data, plant and equipment, and no abnormality was identified. 3. Notification of Exceedance was sent to IEC and ER. 4. According to the record of ER's site diary, no works have been conducted at the outfall. 5. ET checked the site boundary near the Ng Tung River and did not discover any discharge of muddy water or site runoff from the site. 6. After the recording of the exceedance, ET tried to identify the source of the exceedance immediately, and observed that soil and debris deposited on the riverbank were being washed into the river after rainfall event.
SWH_ 061_w	31-May-23	M1	Turbidity (NTU)	**6.73 NTU (Action Level Exceedance)**	>6.30 NTU (>120% of C1)	>6.83 NTU (>130% of C1)	Cause of Exceedance:	Rubbish and debris trapped by the concrete blocks placed between the control station and the monitoring station.

		C1 (Control Station for comparing to the impact station - M1)	Turbidity (NTU)	5.25 NTU			ET's conclusions and recommendations for mitigation:	Exceedance not related to project, advised contractor to maintain on-going water mitigation measures.
							Contractor's actions to implement the mitigation:	Construction activities were checked; Outfall was checked and no soil or water dropped from outfall was observed.
							Action taken under EAP:	1. ET repeated in situ measurement immediately to confirm findings, the difference between 1st and 2nd monitoring results was very small. 2. ET checked the monitoring data, plant and equipment, and no abnormality was identified. 3. Notification of Exceedance was sent to IEC and ER. 4. According to the record of ER's site diary, no works have been conducted at the outfall. 5. ET checked the site boundary near the Ng Tung River and did not discover any discharge of muddy water or site runoff from the site. 6. After the recording of the exceedance, ET tried to identify the source of the exceedance immediately, the only pollution identified was the large amount of rubbish and debris trapped by the concrete blocks placed between the control station and the monitoring station.

Appendix 4.2

Site Audit Summary

Site Audit Summary

Reporting Quarter: April to June 2023

Contract No.: DC/2018/06		
Date	**Observations and recommendations**	**Follow-up and status**
April		
4 Apr 2023	No particular findings	-
13 Apr 2023	Contractor was reminded to review the wastewater treatment capacity to ensure no muddy water discharge in the upcoming rainy season.	N/A
18 Apr 2023	Silt and stockpile was observed at site boundary near outfall. The Contractor was advised to remove the silt and stockpile near site boundary.	Rectified on 24-Apr-23.
24 Apr 2023	The Contractor was reminded to provide a drip tray to the chemical container stored at SDB.	Rectified on 4-May-23.
May		
4 May 2023	Dust suppression measures should be provided to the exposed stockpile.	Rectified on 11-May-23.
4 May 2023	Contractor was reminded to provide bunding to the U-channel to prevent discharge of site-runoff.	NA
11 May 2023	No particular findings	-
18 May 2023	Drip tray should be provided to the oil drums.	Rectified on 23-May-23.
23 May 2023	No particular findings	-
30 May 2023	No particular findings	-
June		
8 Jun 2023	Contractor should clean up the muddy tire tracks outside the site access.	Rectified on 14-June-23.
14 Jun 2023	No particular findings	-
20 Jun 2023	No particular findings	-
27 Jun 2023	Contractor was advised to remove the blue water hose from the U-channel to prevent discharge of muddy water.	Rectified on 4-July-23.

Contract No.: DC/2018/07		
Date	**Observations and recommendations**	**Follow-up and status**
April		
4 Apr 2023	No particular findings	-
13 Apr 2023	No particular findings	-
18 Apr 2023	No particular findings	-
24 Apr 2023	No particular findings	-
May		
4 May 2023	No particular findings	-
11 May 2023	Contractor was advised to remove the blue hose from the U-channel to prevent discharge of muddy water.	Rectified on 18-May-23.
18 May 2023	No particular findings.	-
23 May 2023	NRMM label should be affixed on the crane	Rectified on 30-May-23.
30 May 2023	Contractor was reminded to replace the faded NRMM label on the generator near MFB2.	Rectified on 8-June-23
June		
8 Jun 2023	Drip tray should be provided to the chemical containers	Rectified on 14-June-23.
14 Jun 2023	No particular findings	-
20 Jun 2023	No particular findings	-
27 Jun 2023	No particular findings	-

Contract No.: DE/2018/03		
Date	Observations and recommendations	Follow-up and status
April		
4 Apr 2023	No particular findings	-
11 Apr 2023	The Contractor was reminded to replace the decolored NRMM label on the generator at the sidestream.	Rectified on 18-Apr-2023.
18 Apr 2023	No particular findings	-
27 Apr 2023	No particular findings	-
May		
2 May 2023	Contractor was reminded to remove the stagnant water in the drip tray (sidestream).	Rectified on 9-May-2023.
9 May 2023	No particular findings	-
16 May 2023	No particular findings	-
23 May 2023	No particular findings	
31 May 2023	No particular findings	
June		
6 Jun 2023	No particular findings	-
13 Jun 2023	No particular findings	-
20 Jun 2023	No particular findings	-
27 Jun 2023	NRMM label should be affixed on the generator near Bio-gas Tank..	Rectified on 4-July-23.

Contract No.: DE/2018/04		
Date	Observations and recommendations	Follow-up and status
April		
4 Apr 2023	No particular findings	-
11 Apr 2023	No particular findings	-
18 Apr 2023	No particular findings	-
27 Apr 2023	Contractor was reminded to provide proper storage for reusable materials and general refuse.	Rectified on 2-May-2023
May		
2 May 2023	No particular findings	-
9 May 2023	No particular findings	-
16 May 2023	No particular findings	-
23 May 2023	No particular findings	-
31 May 2023	No particular findings	
June		
6 Jun 2023	No particular findings	-
13 Jun 2023	No particular findings	-
20 Jun 2023	Contractor was reminded to label the waste skip the separate C&D and general waste.	Rectified on 27-June-23
27 Jun 2023	No particular findings	-

Appendix 5.1

Summary of Complaints, Notification of Summons and Successful Prosecution

Summary of Environmental Complaints Log

Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
1	18 March 2020	EPD	Expansion Site of SWHSTP (Portion C)	Water contamination	Muddy water was suspected to be discharged from the expansion site of SWHSTP to Shek Sheung River, manholes and foul drains nearby The investigation and mitigation measures included - Employed suction truck and dump truck to clear the silt and mud at Shek Sheung River - Arranged to repair the wastewater treatment system - Installed additional sedimentation tanks and wastewater treatment system to increase the on-site treatment capacity - Clean the slurry sediment released from the outlet regularly by suction trucks - Avoid damage of underground drains and pipes caused by existing construction works - Avoid illegal discharge from the Site into foul drains and manholes	Closed
2	19 February 2021	EPD	SWHEPP	Odour nuisance	Significant odour nuisance was suspected to be emitted from the construction activities of SWHEPP The investigation and mitigation measures included - Ensured only PMEs with valid NRMM label were used on-site - Conducted regular visual checking against emission quality of exhaust pipe of equipment by using the Ringlemann Chart - Used ULSD for diesel-powered equipment - Provided water spraying and water sprinklers system for haul road access and demolition works - Used battery powered solution to provide power to the tower crane - Provided cover for all rubbish bins on-site - Separated general refuse from construction waste	Closed

Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
3	9 August 2021	EPD	SWHEPP	Air Quality	Air nuisance was suspected to be originated from the construction activities of SWHEPP The investigation and mitigation measures included - Ensured only PMEs with valid NRMM label were used on-site - Conducted regular visual checking against emission quality of exhaust pipe of equipment by using the Ringlemann Chart - Used ULSD for diesel-powered equipment - Used battery powered solution to provide power to the tower crane - Carried out plant maintenance in a timely manner	Closed
20220304	4 March 2022	EPD	SWHEPP	Odour nuisance	The complainant alleged the odour nuisance was sourced from the construction site of Shek Wu Hui Effluent Polishing Plant on 4 March 2022. Thus, all four contracts (Contract Nos. DC/2018/06, DC/2018/07, DE/2018/03 and DE/2018/04) were involved in the complaint investigation. After investigation, no construction activities undertaken by all four contracts was associated with the odour nuisance received on 4 March 2022. Nevertheless, the contractors were reminded and recommended to: • Ensure only equipment with valid NRMM label is allowed to be used at site and regular maintenance of equipment • Provide regular visual checking against emission quality of exhaust pipe of equipment by using the Ringlemann Chart • Use ULSD as fuel for diesel-powered equipment • Maintain proper segregation and storage of general refuse	Closed

Summary of Notification of Summons and Successful Prosecution

Reporting period: April to June 2023

Log No.	Date	Received From and Received By	Location	Outcome	Status
-	-	-	-	-	-

Remarks: No environmental warning/summon and prosecution was received in the reporting period.