Alpha
Consulting Engineers Pte Ltd

PROJECT QUALITY PLAN

Edward Lifesciences Singapore 2

For

Edward Lifesciences

Copy No.	1

Prepared By: Jasmine Tan / Goh Soon Huat

Authorised By: Choong Choon Guan

Date: 7 September 2026

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SECTION 1

QUALITY PLAN CONTROL AND DISTRIBUTION

1.1 List of Copy Holders

Copy No.	Copy Holder	Date of Issue
1	6344-PQP	2 January 2024

1.2 Revision Record

Revision	Date of Issue	Section Reference	Page(s)	Remarks
0	2 January 2024	1 to 11	30	+ 11 pages (Section 4.1 – Overall Programme)
1	7 September 2026	1 to 11	30	+ 11 pages (Section 4.1 – Overall Programme)

SECTION 2

PROJECT INFORMATION

2.1 Project Description

Type of Development	Factory – Pharmaceutical

Statistics of Development	
Site Area, m²	10,158.80
Nett Floor Area, m²	-
Gross Floor Area, m²	16,254.08
Covered Carpark, m²	-
No. of Covered Carpark Lots	0
No. of Apartments/Houses	NA
No. of Beds (for Hospitals)	NA
No. of Guestroom (for Hotels)	NA
No. of Blocks / No. of Storeys	1 Block/3-Storey
Green Mark Category	Gold Plus
No. of Phases	2

2.2 Project Cost

M&E Services Cost Plan (S$ x 1M)										
Services	EI	ACVI	FFAI	LEI	PSI	PU	BMS			
Estimate	-	-	-	-	-	-	-			
Awarded	3.48	5.12	1.05	0.26	1.12	4.06	1.61			

Total Project Construction Cost (S$ x1M)			
	Site Clearance	Piling Works	Main Contract
Estimate	-	-	-
Awarded	-	-	35

Site Clearance shall include earth work, soil improvement, service diversion and termination.

2.3 Scope of Works

2.3.1 Scope of Consultancy Services

Conceptual/Schematic Design	✓
Detailed Design	✓
Tender Documentation	✓
Tender Evaluation	✓
Contract Supervision	✓
M&E Costing	
Submissions to Authority	✓

(✓*where applicable*)

2.3.2 Scope of M&E Services

ELECTRICAL	✓	AIR CONDITIONING	✓	SPRINKLER	✓	SANITARY	✓	SWIMMING POOL	
LIFT	✓	MECHANICAL VENTILATION	✓	FIRE ALARM	✓	COLD WATER	✓	STEAM BOILER	
ESCALATOR		MECHANICAL SMOKE EXTRACT		HOSEREEL	✓	HOT WATER		FUEL STORAGE	
PABX		COMPUTER A/C	✓	WET RISER		TOWN GAS		CLEANROOM	
SECURITY	✓	BST CARPARK EXH		DRY RISER	✓	LPG GAS		PROCESS EXHAUST	✓
TELELIFT		HEATING		GAS SUPPRESSION	✓	COMPRESSED AIR	✓		
DATA COMM.	✓					WASTEWATER TREATMENT			
AV	✓								

(✓ where applicable)

2.3.3 Submission to Relevant Authorities by Others

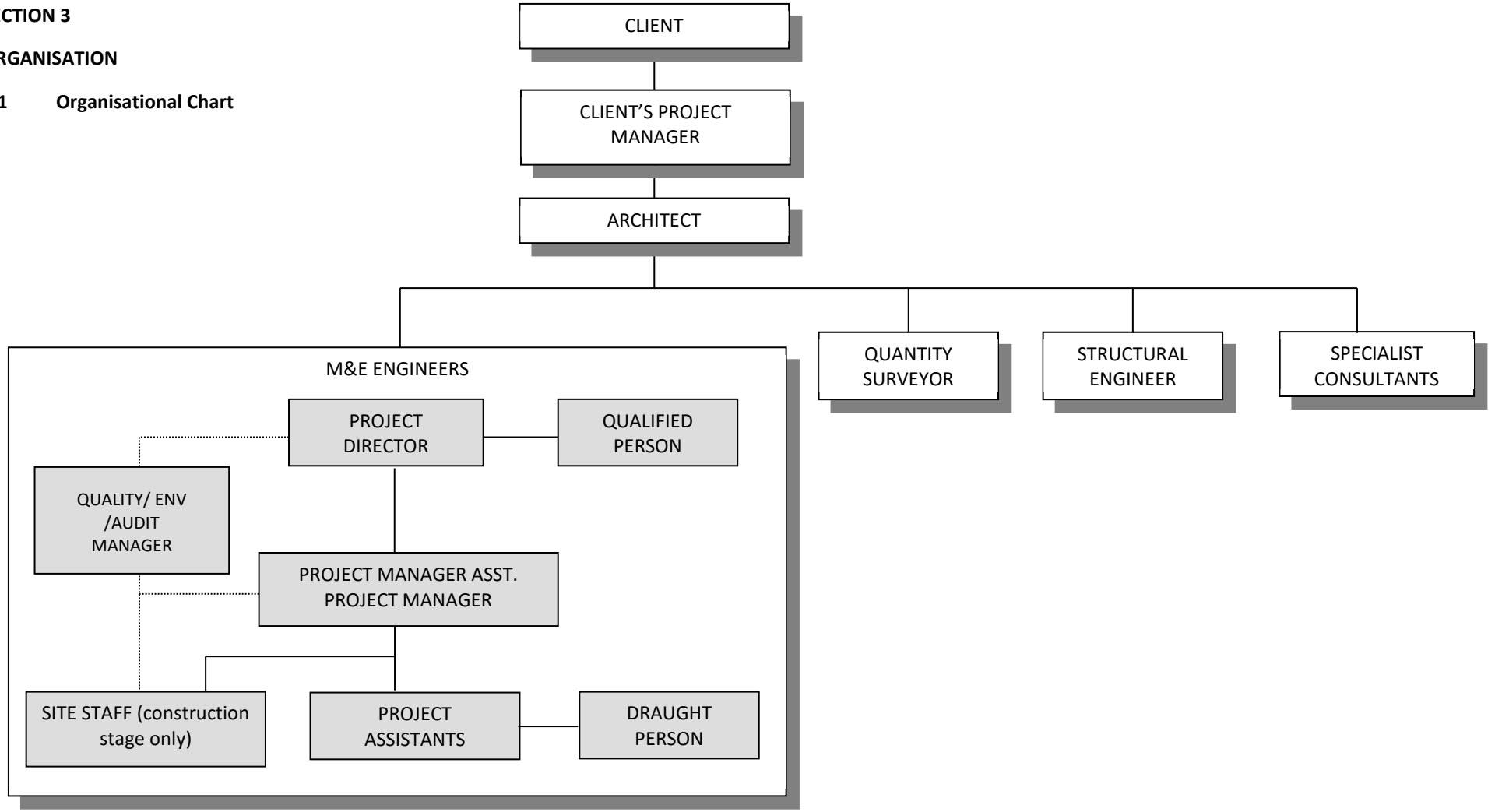
EJECTOR & DIVERTER		SUMP PUMP	✓	FUEL OIL TANK		LIFT & ESCALATOR	✓	PRESSURE VESSEL		HOISTS		FOAM	

(✓ where applicable)

SECTION 3

ORGANISATION

3.1 Organisational Chart



SECTION 3

ORGANISATION

3.2 ACEPL's Project Team Member

TITLE		NAME
Project Director		Choong Choon Guan (CCG)
Qualified Person	Mechanical	Choong Choon Guan (CCG)
	Electrical	Loh Fook Yuen (LFY)
Project Manager		Goh Soon Huat (GSH)
Assistant Project Manager		Tan Qianping, Jasmine (TQP)
Project Assistant (Mech)		Low Qi Fan (LQF)
Project Assistant (Elect)		Tan Loo Yen (TLY)
Draughtsperson		Common Pool
Resident Engineer (M&E)		_
Assistant Resident Engineer (M&E)		_
Clerk-of-Work (M&E)		_

3.3 Client/Client's Representatives

Client: Edward Lifesciences

Address: 35 Changi North Crescent
Singapore 499641

Tel: 800 822 9837

Fax: –

Client's Representatives:

Name of Company	Contact Person	Contact
Edward Lifesciences (United States)	Name: Mr Stephen Hiller Position: Director, Program Management	Tel: – Fax: – Handphone: – Email: stephen_hiller@edwards.com
Edward Lifesciences (Singapore)	Name: Mr Eric Wang Position: Plant Operations Engineering Lead	Tel: - Fax: – Handphone: +65 9734 7660 Email: eric_wang@edwards.com
Turner & Townsend	Name: Mr Vijay Balakrishnan Position: Associate Director	Tel: - Fax: – Handphone: +65 9234 1745 Email: Vijayan.Balakrishnan@turntown.com

3.4 Other Consultants (Local)

Function / Name of Company	Contact Person	Contact
Architect ID Architects Pte Ltd	Name: Mr Jin Sung Position: Executive Director	Tel: 6225 6011 Fax: 6225 6022 Handphone: – Email: jin_sung@idarchitects.com.sg
Quantity Surveyor Turner & Townsend	Name: Mr Steven Lee Position: Senior Cost Manager	Tel: 6496 6300 Fax: – Handphone: 9651 5966 Email: steven.lee@turntown.com
Structural Engineer VB+E Pte Ltd	Name: Ms Vivien Ng Position: Managing Director	Tel: 6561 4078 Fax: – Handphone: – Email: vivien@vbe.com.sg
Interior Designer ID Architects Pte Ltd	Name: Mr Kim Jae Hyuk Position: Associate	Tel: 6225 6011 Fax: 6225 6022 Handphone: 9139 0641 Email: kim_jaehyuk@idarchitects.com.sg
Lighting Consultant	Name: Position:	Tel: Fax: Handphone: Email:
Acoustic Consultant	Name: Position:	Tel: Fax: Handphone: Email:
Landscape Architect	Name: Position:	Tel: Fax: Handphone: Email:
_____	Name: Position:	Tel: Fax: Handphone: Email:

3.4 Other Consultants (Overseas) – **NOT APPLICABLE**

Function / Name of Company	Contact Person	Contact
Architect	Name: Position:	Tel: Fax: Handphone: Email:
M&E Consultant	Name: Position:	Tel: Fax: Handphone: Email:
Quantity Surveyor	Name: Position:	Tel: Fax: Handphone: Email:
Structural Engineer	Name: Position:	Tel: Fax: Handphone: Email:
Interior Designer	Name: Position:	Tel: Fax: Handphone: Email:
Lighting Consultant	Name: Position:	Tel: Fax: Handphone: Email:
Acoustic Consultant	Name: Position:	Tel: Fax: Handphone: Email:
_____	Name: Position:	Tel: Fax: Handphone: Email:

3.5 Contractors/Sub-Contractors

Function / Name of Company	Contract *	Contact Person	Contact
Main Contractor Soildbuild Construction Group Ltd	DSC	Name: Gerald Ho Position: Project Director	Tel: Fax: Handphone: +65 9850 3883 Email: gerald.ho@soilbuild.com
Air Conditioning & Ventilation Installation Sub-Contractor Cavasia Pte Ltd	DSC	Name: Michael Loo Position: Project Manager	Tel: Fax: Handphone: +65 9837 5755 Email: michael.loo@jci.com
Plumbing & Sanitary Installation Sub-Contractor Meng Hup Seng Sanitary & Plumbing Pte Ltd	DSC	Name: Ng Wenjie Position: Director	Tel: Fax: Handphone: +65 8218 6525 Email: main@mhseng.com.sg
Electrical Installation Sub-Contractor DLM Pte. ltd	DSC	Name: Ong KS Position: Assistant Project Manager	Tel: Fax: Handphone: +65 8809 2122 Email: ongks@dlm.com.sg
Lift & Escalator Installation Sub-Contractor TK Elevator Singapore Pte. Ltd.	DSC	Name: Ben Soh Position: Sales Engineer	Tel: Fax: Handphone: +65 9711 5425 Email: ben.soh@tkelevator.com
Fire Fighting & Alarm Installation Sub-Contractor Soon Hock Sprinkler System Pte Ltd	DSC	Name: Ben Lim Position: Project Manager	Tel: Fax: Handphone: +9785 7766 Email: BenLim@soonhockfire.com
Process Utilities Sub-Contractor		Name: Position:	Tel: Fax: Handphone: Email:
Carpark System Installation Sub-Contractor		Name: Position:	Tel: Fax: Handphone: Email:

** Type of Contract*
- *NSC (Nominated Sub-Contract)*
- *DSC (Domesticated Sub-Contract)*
- *DC (Direct Contract)*
- *NS (Nominated Supplier)*

3.6 Authorities

Authorities/Department	Contact Person	Tel/Fax Nos./E-mail
SP PowerGrid:		
(a) Sub-Station	Rahman Bin Samad	rahmanbs@spgroup.com.sg
(b) Diversion		
SP Services:		
(a) Customer Supply		
(b) Installation		
(c) Meter Section		
(d) Road Lighting		
TFCC:		
(a) StarHub		
(b) SingTel		
(c) Netlink Trust		
BCA:		
(a) Building Plan		
(b) Green Mark		
FSSD:		
(a) Building Plan		
(b) M&E Plan	Adam Idris Lim Wei	Adam_idris@scdf.gov.sg
PUB (Water Supply) Network Dept:		
(a) Water Conservation		
(b) Plumbing Plan	Ivy Poon	Ivy_POON@pub.gov.sg
(c) Diversion	Sin Kiat Tan	TAN_Sin_Kiat@pub.gov.sg
(d) NEWater	Siew Tuan Ng	NG_Siew_Tuan@pub.gov.sg
PUB Water Reclamation (Network) Dept:		
(a) Building Plan/CBPU	Ivy Poon	Ivy_POON@pub.gov.sg
(b) M&E Plan	Ivy Poon	Ivy_POON@pub.gov.sg
(c) Diversion		
City Gas Pte Ltd:		
(a) Planning/Submission		
(b) Installation/Inspection		

3.6 Authorities (cont'd) – NOT APPLICABLE

Authorities/Department	Contact Person	Tel/Fax Nos./E-mail
PowerGas Pte Ltd (a) Diversion		
NEA (Pollution Control) (a) Planning/Submission		
(b) Inspection		

SECTION 4

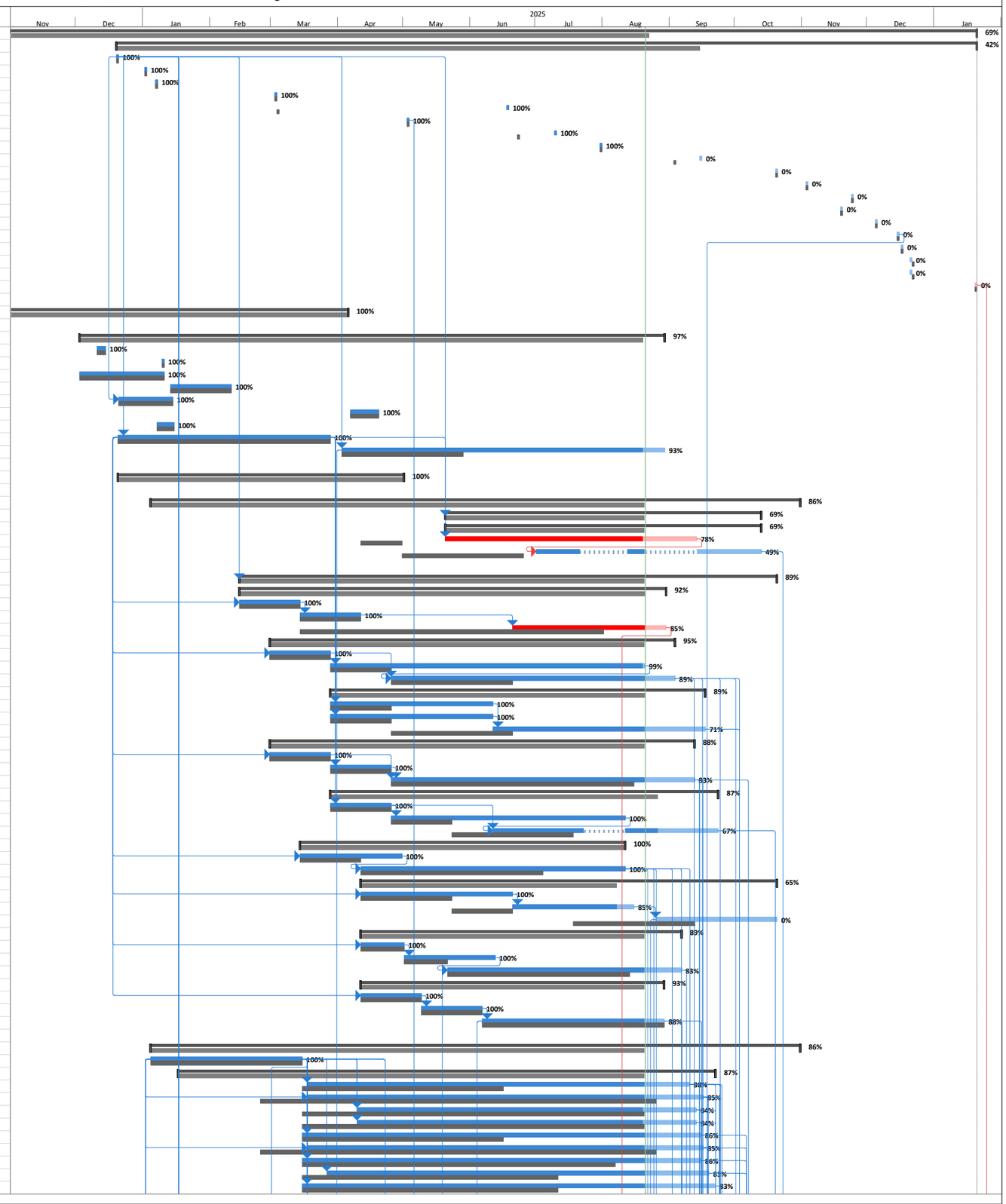
PROGRAMME

4.1 Overall Programme (See Attached Master Programme)

ID	TASK NAME	MONTHS	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
1.	Preliminary Planning																									
2.	Planning Submission																									
3.	Detail Design																									
4.	BP Submission																									
5.	BP Submission (Amendments)																									
6.	Tender Period for Piling																									
7.	Tender Period for Sub-Structure																									
8.	Tender Period for Super-Structure																									
9.	Piling Period																									
10.	Sub-Structure Construction Period																									
11.	Super-Structure Construction Period																									
12.	TOP																									
13.	CSC																									

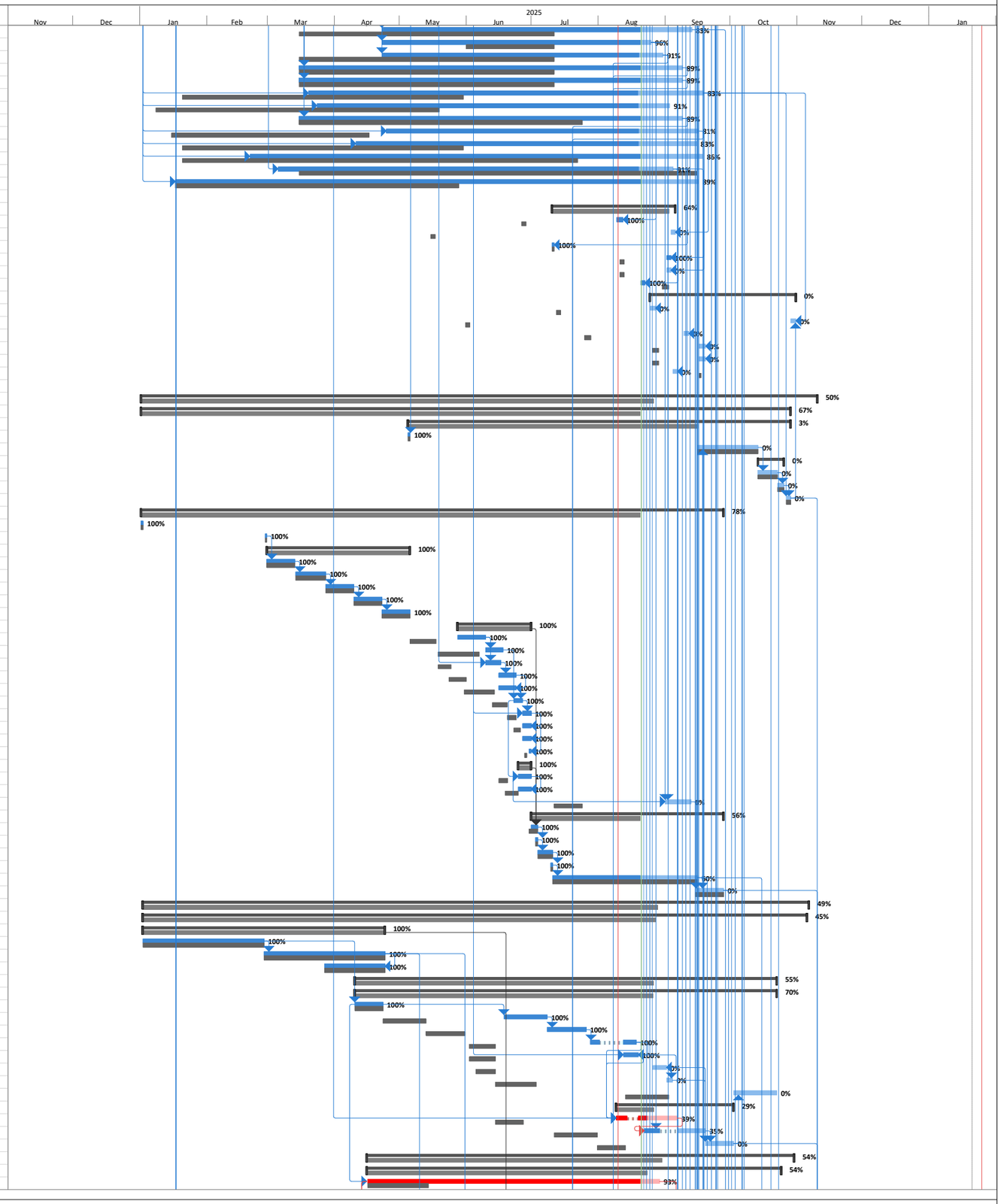
ELS SG2_MASTER PROGRAMME_R1D_20250820- Forecast Planning

ID	ID	Task Name	Duration	Baseline Duration	Baseline Start	Baseline Finish	Start	Finish	% Planned	% Complete	Total Slack
1	**1**	**EDWARDS LIFESCIENCES MASTER PROGRAMME**	**662.5 days**	**661.25 days**	**Tue 14/5/24**	**Tue 20/1/26**	**Tue 14/5/24**	**Tue 20/1/26**	**68%**	**69%**	**0 days**
2	**2**	**Project Programme Milestone (From Main Contract Section 5.11)**	**426.25 days**	**425 days**	**Fri 20/12/24**	**Tue 20/1/26**	**Fri 20/12/24**	**Tue 20/1/26**	**42%**	**42%**	**0 days**
3	3	Issuance of PO	1.25 days	1.25 days	Fri 20/12/24	Fri 20/12/24	Fri 20/12/24	Fri 20/12/24	100%	100%	0 days
4	4	Obtained Permit to Commence Work (by Client's Consultant)	1.25 days	1.25 days	Thu 2/1/25	Thu 2/1/25	Thu 2/1/25	Thu 2/1/25	100%	100%	0 days
5	5	Commence Construction Works	1.25 days	1.25 days	Tue 7/1/25	Tue 7/1/25	Tue 7/1/25	Tue 7/1/25	100%	100%	0 days
6	6	Water Turn On (for temporary usage)	1.25 days	1.25 days	Mon 3/3/25	Mon 3/3/25	Mon 3/3/25	Mon 3/3/25	100%	100%	0 days
7	7	Start of T&C activities	1.25 days	1.25 days	Tue 4/3/25	Tue 4/3/25	Wed 18/6/25	Wed 18/6/25	100%	100%	0 days
8	8	Power Available for T&C	1.25 days	1.25 days	Sat 3/5/25	Sat 3/5/25	Sat 3/5/25	Sat 3/5/25	100%	100%	0 days
9	9	New Electrical substation handover to SPPG	1.25 days	1.25 days	Mon 23/6/25	Mon 23/6/25	Thu 10/7/25	Thu 10/7/25	100%	100%	0 days
10	10	MDF Room Handover to IMDA	1.25 days	1.25 days	Thu 31/7/25	Thu 31/7/25	Thu 31/7/25	Thu 31/7/25	100%	100%	0 days
11	11	New SPPG Substation Power On	1.25 days	1.25 days	Wed 3/9/25	Wed 3/9/25	Mon 15/9/25	Mon 15/9/25	0%	0%	137.5 days
12	12	Finish T&C activities	1.25 days	1.25 days	Mon 20/10/25	Mon 20/10/25	Mon 20/10/25	Mon 20/10/25	0%	0%	100 days
13	13	Metals Manufacturing Space Readiness for Tool Move in	1.25 days	1.25 days	Mon 3/11/25	Mon 3/11/25	Mon 3/11/25	Mon 3/11/25	0%	0%	85 days
14	14	Complete Construction and Mechanical Completion	1.25 days	1.25 days	Mon 24/11/25	Mon 24/11/25	Mon 24/11/25	Mon 24/11/25	0%	0%	62.5 days
15	15	Complete Commissioning Works	1.25 days	1.25 days	Wed 19/11/25	Wed 19/11/25	Wed 19/11/25	Wed 19/11/25	0%	0%	67.5 days
16	16	Complete RI Inspection	1.25 days	1.25 days	Fri 5/12/25	Fri 5/12/25	Fri 5/12/25	Fri 5/12/25	0%	0%	50 days
17	17	Zero Defect Clearance Part 1	1.25 days	1.25 days	Mon 15/12/25	Mon 15/12/25	Mon 15/12/25	Mon 15/12/25	0%	0%	40 days
18	18	Zero Defect Clearance Final Inspection	1.25 days	1.25 days	Wed 17/12/25	Wed 17/12/25	Wed 17/12/25	Wed 17/12/25	0%	0%	37.5 days
19	19	Obtain Completion Certificate from Architect	1.25 days	1.25 days	Mon 22/12/25	Mon 22/12/25	Sun 21/12/25	Sun 21/12/25	0%	0%	32.5 days
20	20	Obtain TOP-1 and substantial completion for Phase 1 & SG02 Lift	1.25 days	1.25 days	Mon 22/12/25	Mon 22/12/25	Sun 21/12/25	Sun 21/12/25	0%	0%	32.5 days
21	21	Obtain TOP-2 and substantial completion for SG01 Lift Cars	1.25 days	1.25 days	Tue 20/1/26	Tue 20/1/26	Tue 20/1/26	Tue 20/1/26	0%	0%	0 days
22	22										
23	**23**	**Authority Submission and Approval / Others**	**351.25 days**	**351.25 days**	**Tue 14/5/24**	**Sat 5/4/25**	**Tue 14/5/24**	**Sat 5/4/25**	**100%**	**100%**	**0 days**
33	33										
34	**34**	**Pre-commence Works**	**290 days**	**190 days**	**Tue 3/12/24**	**Wed 28/5/25**	**Tue 3/12/24**	**Fri 29/8/25**	**97%**	**97%**	**155 days**
35	35	Pre-condition Survey	5 days	5 days	Wed 11/12/24	Sat 14/12/24	Wed 11/12/24	Sat 14/12/24	100%	100%	0 days
36	36	Service detection	1.25 days	1.25 days	Fri 10/1/25	Fri 10/1/25	Fri 10/1/25	Fri 10/1/25	100%	100%	0 days
37	37	Submission and approval of site office facilities	42.5 days	42.5 days	Tue 3/12/24	Fri 10/1/25	Tue 3/12/24	Fri 10/1/25	100%	100%	0 days
38	38	Submission and approval of Pre-computation plan	30 days	30 days	Tue 14/1/25	Mon 10/2/25	Tue 14/1/25	Mon 10/2/25	100%	100%	0 days
39	39	Installation of Instrumentation Monitoring (Piling)	26.25 days	26.25 days	Sat 21/12/24	Tue 14/1/25	Sat 21/12/24	Tue 14/1/25	100%	100%	0 days
40	40	Installation of Instrumentation Monitoring (ERSS)	15 days	15 days	Mon 7/4/25	Sat 19/4/25	Mon 7/4/25	Sat 19/4/25	100%	100%	0 days
41	41	Submission and approval of ECM	8.75 days	8.75 days	Tue 7/1/25	Wed 15/1/25	Tue 7/1/25	Wed 15/1/25	100%	100%	0 days
42	42	Subcon / supplier on board	105 days	105 days	Fri 20/12/24	Fri 28/3/25	Fri 20/12/24	Fri 28/3/25	100%	100%	0 days
43	43	Combined Services Drawing CSD submission and approval	160 days	60 days	Thu 3/4/25	Wed 28/5/25	Thu 3/4/25	Fri 29/8/25	93%	93%	155 days
44	44										
45	**45**	**Temporary Facilities**	**141.2 days**	**141.2 days**	**Fri 20/12/24**	**Thu 1/5/25**	**Fri 20/12/24**	**Thu 1/5/25**	**100%**	**100%**	**0 days**
55	55										
56	**56**	**Lead time**	**320.75 days**	**273.5 days**	**Sat 4/1/25**	**Wed 17/9/25**	**Sat 4/1/25**	**Fri 31/10/25**	**87%**	**86%**	**88.25 days**
57	**57**	**C&S**	**155.75 days**	**80 days**	**Fri 11/4/25**	**Wed 25/6/25**	**Tue 20/5/25**	**Mon 13/10/25**	**69%**	**69%**	**73.25 days**
58	**58**	**Structural Steel and Metal Works**	**155.75 days**	**80 days**	**Fri 11/4/25**	**Wed 25/6/25**	**Tue 20/5/25**	**Mon 13/10/25**	**69%**	**69%**	**73.25 days**
59	59	Shopdrawings submission and approval	125 days	20 days	Fri 11/4/25	Wed 30/4/25	Tue 20/5/25	Sat 13/9/25	79%	78%	0 days
60	60	Fabrication and delivery	60 days	60 days	Wed 30/4/25	Wed 25/6/25	Tue 1/7/25	Mon 13/10/25	48%	49%	73.25 days
61	61										
62	**62**	**Architectural**	**265 days**	**225 days**	**Fri 14/2/25**	**Fri 12/9/25**	**Fri 14/2/25**	**Mon 20/10/25**	**89%**	**89%**	**72.25 days**
63	**63**	**Trimo Panel (Change to Drywall)**	**211 days**	**180 days**	**Fri 14/2/25**	**Fri 1/8/25**	**Fri 14/2/25**	**Sat 30/8/25**	**92%**	**92%**	**0 days**
64	64	Material submission and approval / Colour Selection	30 days	30 days	Fri 14/2/25	Fri 14/3/25	Fri 14/2/25	Fri 14/3/25	100%	100%	0 days
65	65	Shopdrawings submission and approval	30 days	30 days	Fri 14/3/25	Fri 11/4/25	Fri 14/3/25	Fri 11/4/25	100%	100%	0 days
66	66	Fabrication and delivery	76 days	150 days	Fri 14/3/25	Fri 1/8/25	Fri 20/6/25	Sat 30/8/25	85%	85%	0 days
67	**67**	**Sanitary wares and fittings**	**200 days**	**120 days**	**Fri 28/2/25**	**Fri 20/6/25**	**Fri 28/2/25**	**Wed 3/9/25**	**95%**	**95%**	**60.6 days**
68	68	Material submission and approval	30 days	30 days	Fri 28/2/25	Fri 28/3/25	Fri 28/2/25	Fri 28/3/25	100%	100%	0 days
69	69	Shopdrawings submission and approval	155 days	30 days	Fri 28/3/25	Fri 25/4/25	Fri 28/3/25	Wed 20/8/25	100%	99%	75.6 days
70	70	Fabrication and delivery	140 days	60 days	Fri 25/4/25	Fri 20/6/25	Fri 25/4/25	Wed 3/9/25	89%	89%	23.9 days
71	**71**	**Toilet cubicle**	**185 days**	**90 days**	**Fri 28/3/25**	**Fri 20/6/25**	**Fri 28/3/25**	**Wed 17/9/25**	**88%**	**89%**	**30.25 days**
72	72	Material submission and approval	80 days	30 days	Fri 28/3/25	Fri 25/4/25	Fri 28/3/25	Wed 11/6/25	100%	100%	0 days
73	73	Shopdrawings submission and approval	80 days	30 days	Fri 28/3/25	Fri 25/4/25	Fri 28/3/25	Wed 11/6/25	100%	100%	0 days
74	74	Fabrication and delivery	105 days	60 days	Fri 25/4/25	Fri 20/6/25	Wed 11/6/25	Wed 17/9/25	71%	71%	30.25 days
75	**75**	**Roller shutter**	**210 days**	**180 days**	**Fri 28/2/25**	**Fri 15/8/25**	**Fri 28/2/25**	**Fri 12/9/25**	**88%**	**88%**	**14 days**
76	76	Material submission and approval	30 days	30 days	Fri 28/2/25	Fri 28/3/25	Fri 28/2/25	Fri 28/3/25	100%	100%	0 days
77	77	Shopdrawings submission and approval	30 days	30 days	Fri 28/3/25	Fri 25/4/25	Fri 28/3/25	Fri 25/4/25	100%	100%	0 days
78	78	Fabrication and delivery	150 days	120 days	Fri 25/4/25	Fri 15/8/25	Fri 25/4/25	Fri 12/9/25	83%	83%	14 days
79	**79**	**Acoustic Louvre Screen**	**190.9 days**	**120 days**	**Fri 28/3/25**	**Fri 18/7/25**	**Fri 28/3/25**	**Tue 23/9/25**	**87%**	**87%**	**101.35 days**
80	80	Material submission and approval	30 days	30 days	Fri 28/3/25	Fri 25/4/25	Fri 28/3/25	Fri 25/4/25	100%	100%	0 days
81	81	Shopdrawings submission and approval	115 days	30 days	Fri 25/4/25	Fri 23/5/25	Fri 25/4/25	Mon 11/8/25	100%	100%	0 days
82	82	Fabrication and delivery	90 days	60 days	Fri 23/5/25	Fri 18/7/25	Wed 11/6/25	Tue 23/9/25	67%	67%	101.35 days
83	**83**	**Tiles**	**160 days**	**120 days**	**Fri 14/3/25**	**Fri 4/7/25**	**Fri 14/3/25**	**Mon 11/8/25**	**100%**	**100%**	**0 days**
84	84	Material submission and approval	50 days	30 days	Fri 14/3/25	Fri 11/4/25	Fri 14/3/25	Wed 30/4/25	100%	100%	0 days
85	85	Fabrication and delivery	130 days	90 days	Fri 11/4/25	Fri 4/7/25	Fri 11/4/25	Mon 11/8/25	100%	100%	0 days
86	**86**	**System Furniture & Loose Furniture (include Lighting)**	**205 days**	**165 days**	**Fri 11/4/25**	**Fri 12/9/25**	**Fri 11/4/25**	**Mon 20/10/25**	**69%**	**65%**	**46.5 days**
87	87	Material submission and approval / Colour Selection	75 days	45 days	Fri 11/4/25	Fri 23/5/25	Fri 11/4/25	Fri 20/6/25	100%	100%	0 days
88	88	Shopdrawings submission and approval	60 days	30 days	Fri 23/5/25	Fri 20/6/25	Fri 20/6/25	Fri 15/8/25	100%	85%	46.5 days
89	89	Fabrication and delivery	60 days	60 days	Fri 18/7/25	Fri 12/9/25	Mon 25/8/25	Mon 20/10/25	0%	0%	46.5 days
90	**90**	**Aluminum Louver**	**158.75 days**	**132.5 days**	**Fri 11/4/25**	**Wed 13/8/25**	**Fri 11/4/25**	**Sat 6/9/25**	**89%**	**89%**	**19.25 days**
91	91	Material submission and approval	21.25 days	21.25 days	Fri 11/4/25	Thu 1/5/25	Fri 11/4/25	Thu 1/5/25	100%	100%	0 days
92	92	Shopdrawings submission and approval	45 days	21.25 days	Thu 1/5/25	Wed 21/5/25	Thu 1/5/25	Thu 12/6/25	100%	100%	0 days
93	93	Fabrication and delivery	115 days	90 days	Wed 21/5/25	Wed 13/8/25	Wed 21/5/25	Sat 6/9/25	84%	83%	19.25 days
94	**94**	**Doors & Ironmongery**	**150 days**	**150 days**	**Fri 11/4/25**	**Fri 29/8/25**	**Fri 11/4/25**	**Fri 29/8/25**	**93%**	**93%**	**1.92 days**
95	95	Material submission and approval / Colour Selection	30 days	30 days	Fri 11/4/25	Fri 9/5/25	Fri 11/4/25	Fri 9/5/25	100%	100%	0 days
96	96	Shopdrawings submission and approval	30 days	30 days	Fri 9/5/25	Fri 6/6/25	Fri 9/5/25	Fri 6/6/25	100%	100%	0 days
97	97	Fabrication and delivery	90 days	90 days	Fri 6/6/25	Fri 29/8/25	Fri 6/6/25	Fri 29/8/25	89%	88%	1.92 days
98	98										
99	**99**	**MEP**	**320.75 days**	**273.5 days**	**Sat 4/1/25**	**Wed 17/9/25**	**Sat 4/1/25**	**Fri 31/10/25**	**86%**	**86%**	**88.25 days**
100	100	Shopdrawings submission and approval	75 days	75 days	Sat 4/1/25	Sat 15/3/25	Sat 4/1/25	Sat 15/3/25	100%	100%	0 days
101	**101**	**Equipment Ordering, Fabrication & Delivery**	**265 days**	**268 days**	**Wed 8/1/25**	**Mon 15/9/25**	**Fri 17/1/25**	**Mon 22/9/25**	**87%**	**87%**	**131 days**
102	102	Make Up Air Unit	27 wks	14 wks	Sat 15/3/25	Mon 16/6/25	Tue 18/3/25	Wed 10/9/25	88%	88%	2.39 wks
103	103	Water-cooled Chiller	28 wks	28 wks	Mon 24/2/25	Mon 25/8/25	Tue 18/3/25	Tue 16/9/25	85%	85%	1.39 wks
104	104	Chilled Water Pump	24 wks	24 wks	Sat 15/3/25	Wed 20/8/25	Thu 10/4/25	Sat 13/9/25	84%	84%	1.82 wks
105	105	Condenser Water Pump (Cooling Tower & CDA)	24 wks	24 wks	Sat 15/3/25	Wed 20/8/25	Thu 10/4/25	Sat 13/9/25	84%	84%	1.82 wks
106	106	Make-Up Water Pump	28 wks	14 wks	Sat 15/3/25	Mon 16/6/25	Sat 15/3/25	Mon 15/9/25	86%	86%	1.61 wks
107	107	Cooling Tower	28 wks	28 wks	Mon 24/2/25	Mon 25/8/25	Tue 18/3/25	Tue 16/9/25	85%	85%	1.39 wks
108	108	Fan Coil Unit	28 wks	22 wks	Sat 15/3/25	Wed 6/8/25	Sat 15/3/25	Mon 15/9/25	86%	86%	1.61 wks
109	109	Process Exhaust Fan	27 wks	18 wks	Sat 15/3/25	Fri 11/7/25	Thu 27/3/25	Fri 19/9/25	83%	83%	0.96 wks
110	110	BMS	29 wks	18 wks	Sat 15/3/25	Fri 11/7/25	Sat 15/3/25	Mon 22/9/25	83%	83%	0.61 wks



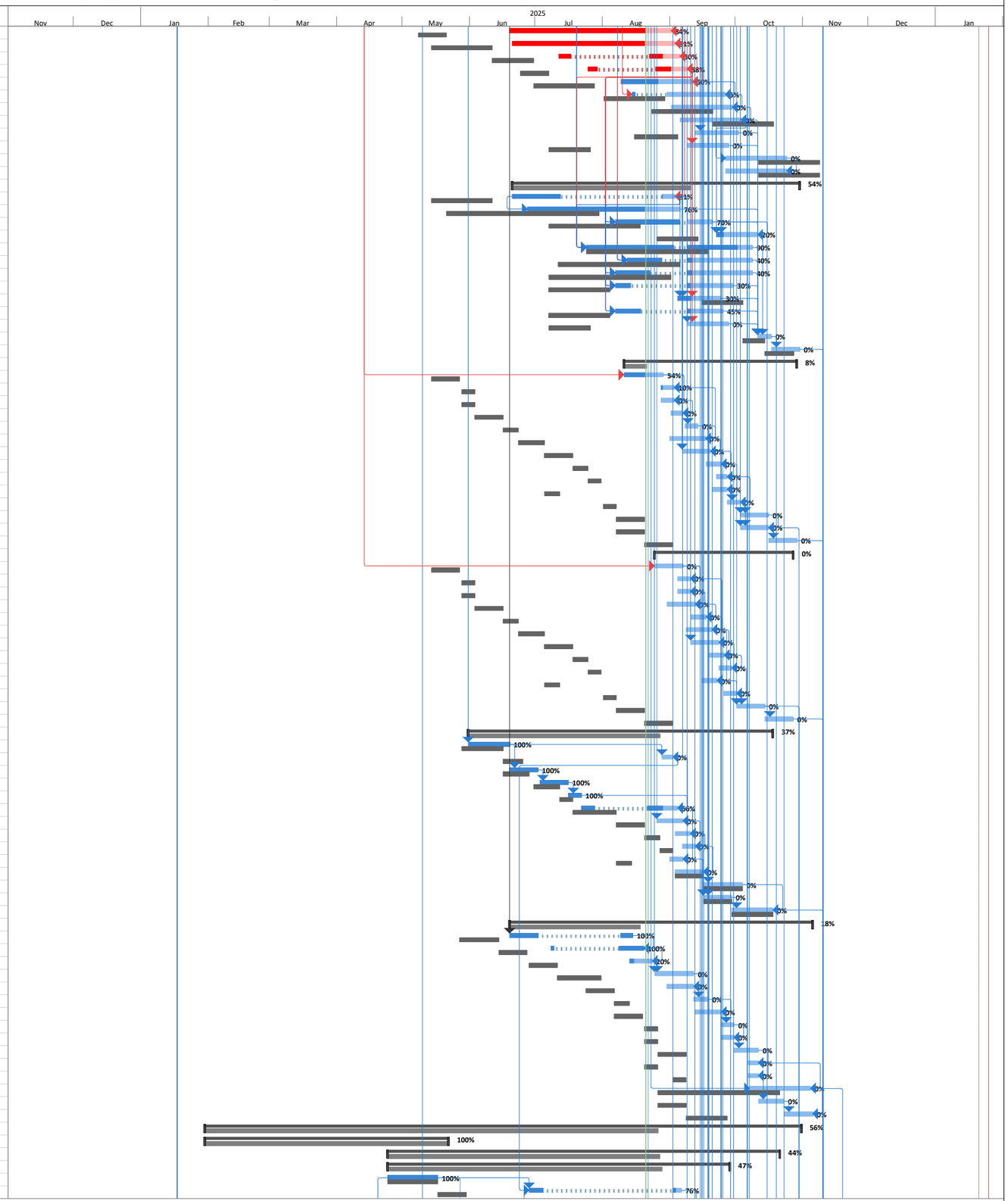
ELS SG2_MASTER PROGRAMME_R1D_20250820- Forecast Planning

ID	ID	Task Name	Duration	Baseline Duration	Baseline Start	Baseline Finish	Start	Finish	% Planned	% Complete	Total Slack
111	111	Main A/C Switchboard (MCC)	22 wks	18 wks	Sat 15/3/25	Fri 11/7/25	Wed 23/4/25	Sat 13/9/25	83%	83%	4.46 wks
112	112	Electrical Main Switchboard (MSB for new substation)	19 wks	18 wks	Sun 1/6/25	Fri 11/7/25	Wed 23/4/25	Mon 25/8/25	96%	96%	2.01 wks
113	113	MSB & EMSB (at Consumer Switch Room at existing main building)	20 wks	18 wks	Sat 15/3/25	Fri 11/7/25	Wed 23/4/25	Sat 30/8/25	91%	91%	1.61 wks
114	114	Electrical Sub Switchboard (SSB)	27 wks	18 wks	Sat 15/3/25	Fri 11/7/25	Sat 15/3/25	Mon 8/9/25	89%	89%	0.36 wks
115	115	Electrical Distribution Board	27 wks	18 wks	Sat 15/3/25	Fri 11/7/25	Sat 15/3/25	Mon 8/9/25	89%	89%	0.36 wks
116	116	Generator Set	28 wks	20 wks	Mon 20/1/25	Fri 30/5/25	Thu 20/3/25	Thu 18/9/25	84%	83%	7.71 wks
117	117	Busway	25 wks	20 wks	Wed 8/1/25	Mon 19/5/25	Mon 24/3/25	Tue 2/9/25	92%	91%	21.61 wks
118	118	Fire Sprinkler Pump System	27 wks	20 wks	Sat 15/3/25	Thu 24/7/25	Sat 15/3/25	Mon 8/9/25	89%	89%	3.57 wks
119	119	Fire Alarm Panel	22 wks	14 wks	Wed 15/1/25	Wed 16/4/25	Fri 25/4/25	Tue 16/9/25	81%	81%	2.46 wks
120	120	Process Waste Water Sump Pump	24 wks	20 wks	Mon 20/1/25	Fri 30/5/25	Fri 11/4/25	Mon 15/9/25	84%	83%	19.75 wks
121	121	Dust Vacuum Exhaust System	32 wks	28 wks	Mon 20/1/25	Tue 22/7/25	Fri 21/2/25	Thu 18/9/25	86%	86%	19.25 wks
122	122	Compressed Dry Air System	28 wks	28 wks	Sat 15/3/25	Mon 15/9/25	Thu 6/3/25	Thu 4/9/25	91%	91%	0.91 wks
123	123	DI Water System	37 wks	20 wks	Fri 17/1/25	Wed 28/5/25	Fri 17/1/25	Tue 16/9/25	89%	89%	19.57 wks
124	124										
125	**125**	**FAT (Cx-1)**	**61.25 days**	**117.5 days**	**Thu 15/5/25**	**Tue 2/9/25**	**Thu 10/7/25**	**Fri 5/9/25**	**29%**	**64%**	**147.75 days**
126	126	MSB and EMSB	2.5 days	2.5 days	Thu 26/6/25	Sat 28/6/25	Sat 9/8/25	Tue 12/8/25	100%	100%	0 days
127	127	Generator Set	2.5 days	2.5 days	Thu 15/5/25	Sat 17/5/25	Wed 3/9/25	Fri 5/9/25	0%	0%	147.75 days
128	128	Fire Sprinkler Pump System	1.25 days	1.25 days	Thu 10/7/25	Fri 11/7/25	Thu 10/7/25	Fri 11/7/25	100%	100%	0 days
129	129	Water-cooled Chiller	2.5 days	2.5 days	Mon 11/8/25	Tue 12/8/25	Mon 1/9/25	Wed 3/9/25	0%	100%	0 days
130	130	Cooling Tower	2.5 days	2.5 days	Mon 11/8/25	Tue 12/8/25	Mon 1/9/25	Wed 3/9/25	0%	0%	150.25 days
131	131	Compressed Dry Air System	2.5 days	2.5 days	Sat 30/8/25	Tue 2/9/25	Wed 20/8/25	Fri 22/8/25	10%	100%	0 days
132	**132**	**SAT (Cx-1A)**	**73 days**	**116.25 days**	**Sat 31/5/25**	**Wed 17/9/25**	**Mon 25/8/25**	**Fri 31/10/25**	**0%**	**0%**	**88.25 days**
133	133	MSB and EMSB	3 days	1.25 days	Sat 12/7/25	Mon 14/7/25	Mon 25/8/25	Wed 27/8/25	0%	0%	158.25 days
134	134	Generator Set	3 days	1.25 days	Sat 31/5/25	Mon 2/6/25	Wed 29/10/25	Fri 31/10/25	0%	0%	88.25 days
135	135	Fire Sprinkler Pump System	3 days	2.5 days	Fri 25/7/25	Mon 28/7/25	Tue 9/9/25	Thu 11/9/25	0%	0%	141.25 days
136	136	Water-cooled Chiller	4 days	3.75 days	Tue 26/8/25	Thu 28/8/25	Tue 16/9/25	Fri 19/9/25	0%	0%	132.75 days
137	137	Cooling Tower	4 days	3.75 days	Tue 26/8/25	Thu 28/8/25	Tue 16/9/25	Fri 19/9/25	0%	0%	132.75 days
138	138	Compressed Dry Air System	3 days	1.25 days	Tue 16/9/25	Wed 17/9/25	Thu 4/9/25	Sat 6/9/25	0%	0%	146.5 days
139	139										
140	**140**	**Construction**	**334.75 days**	**334.25 days**	**Wed 1/1/25**	**Sat 8/11/25**	**Wed 1/1/25**	**Mon 10/11/25**	**47%**	**50%**	**78.5 days**
141	**141**	**Electrical Substation**	**322 days**	**322 days**	**Wed 1/1/25**	**Tue 28/10/25**	**Wed 1/1/25**	**Tue 28/10/25**	**67%**	**67%**	**13.75 days**
142	**142**	**Existing substation**	**190 days**	**190 days**	**Mon 5/5/25**	**Tue 28/10/25**	**Mon 5/5/25**	**Tue 28/10/25**	**2%**	**3%**	**13.75 days**
143	143	Temp. power available from existing substation to consumer switch roo	1.25 days	1.25 days	Mon 5/5/25	Mon 5/5/25	Mon 5/5/25	Mon 5/5/25	100%	100%	0 days
144	144	Decommision of extg. Substation (SPPG)	30 days	30 days	Tue 16/9/25	Mon 13/10/25	Tue 16/9/25	Mon 13/10/25	0%	0%	13.75 days
145	**145**	**A&A works**	**13.75 days**	**13.75 days**	**Tue 14/10/25**	**Sat 25/10/25**	**Tue 14/10/25**	**Sat 25/10/25**	**0%**	**0%**	**13.75 days**
146	146	Making good of surfaces, Hacking works	10 days	10 days	Tue 14/10/25	Wed 22/10/25	Tue 14/10/25	Wed 22/10/25	0%	0%	13.75 days
147	147	Skim and Painting	3.75 days	3.75 days	Thu 23/10/25	Sat 25/10/25	Thu 23/10/25	Sat 25/10/25	0%	0%	13.75 days
148	148	New genset installation	2.5 days	2.5 days	Mon 27/10/25	Tue 28/10/25	Mon 27/10/25	Tue 28/10/25	0%	0%	13.75 days
149	**149**	**New substation**	**289.5 days**	**289.5 days**	**Wed 1/1/25**	**Sat 27/9/25**	**Wed 1/1/25**	**Sat 27/9/25**	**78%**	**78%**	**15.25 days**
150	150	Plate Load Test	1.25 days	1.25 days	Wed 1/1/25	Thu 2/1/25	Wed 1/1/25	Thu 2/1/25	100%	100%	0 days
151	151	Confirmation of Raft Foundation Level (Assume no ERSS required)	1 day	1 day	Fri 28/2/25	Fri 28/2/25	Fri 28/2/25	Fri 28/2/25	100%	100%	0 days
152	**152**	**Construct structure (including raft foundation)**	**70.25 days**	**70.25 days**	**Fri 28/2/25**	**Mon 5/5/25**	**Fri 28/2/25**	**Mon 5/5/25**	**100%**	**100%**	**0 days**
153	153	Excavation works and raft Foundation construction	13.75 days	13.75 days	Fri 28/2/25	Thu 13/3/25	Fri 28/2/25	Thu 13/3/25	100%	100%	0 days
154	154	RC works from Raft Foundation to Ground Level / Backfill	15 days	15 days	Fri 14/3/25	Thu 27/3/25	Fri 14/3/25	Thu 27/3/25	100%	100%	0 days
155	155	Ground beams and slab	13.75 days	13.75 days	Fri 28/3/25	Wed 9/4/25	Fri 28/3/25	Wed 9/4/25	100%	100%	0 days
156	156	Columns and 2nd sty slab	13.75 days	13.75 days	Thu 10/4/25	Tue 22/4/25	Thu 10/4/25	Tue 22/4/25	100%	100%	0 days
157	157	Columns and Roof Slab	13.75 days	13.75 days	Wed 23/4/25	Mon 5/5/25	Wed 23/4/25	Mon 5/5/25	100%	100%	0 days
158	**158**	**Archi Works**	**36.25 days**	**58.75 days**	**Tue 6/5/25**	**Sat 28/6/25**	**Wed 28/5/25**	**Mon 30/6/25**	**100%**	**100%**	**0 days**
159	159	Stiffener, Lintel and Wall Erection	13.75 days	13.75 days	Tue 6/5/25	Sat 17/5/25	Wed 28/5/25	Mon 9/6/25	100%	100%	0 days
160	160	Waterproofing Works	8.75 days	21.25 days	Mon 19/5/25	Fri 6/6/25	Tue 10/6/25	Tue 17/6/25	100%	100%	0 days
161	161	Install door, window, louvre outer frame	7.5 days	7.5 days	Mon 19/5/25	Sat 24/5/25	Tue 10/6/25	Mon 16/6/25	100%	100%	0 days
162	162	Install railing, catlader, grating support	8.75 days	8.75 days	Sat 24/5/25	Sat 31/5/25	Mon 16/6/25	Mon 23/6/25	100%	100%	0 days
163	163	Skimming, plastering & screeding	8.75 days	15 days	Sat 31/5/25	Fri 13/6/25	Mon 16/6/25	Mon 23/6/25	100%	100%	0 days
164	164	Painting	5 days	7.5 days	Fri 13/6/25	Thu 19/6/25	Mon 23/6/25	Thu 26/6/25	100%	100%	0 days
165	165	Install door panel and inner frame	3.75 days	3.75 days	Fri 20/6/25	Mon 23/6/25	Fri 27/6/25	Mon 30/6/25	100%	100%	0 days
166	166	Install ironmongery	3.75 days	3.75 days	Mon 23/6/25	Wed 25/6/25	Fri 27/6/25	Mon 30/6/25	100%	100%	0 days
167	167	Install grating	3.75 days	3.75 days	Wed 25/6/25	Sun 1/6/25	Fri 27/6/25	Mon 30/6/25	100%	100%	0 days
168	168	Install signage, fire extinguisher	1.25 days	1.25 days	Sat 28/6/25	Sat 28/6/25	Mon 30/6/25	Mon 30/6/25	100%	100%	0 days
169	**169**	**M&E Works**	**6.25 days**	**10 days**	**Mon 16/6/25**	**Tue 24/6/25**	**Wed 25/6/25**	**Mon 30/6/25**	**100%**	**100%**	**0 days**
170	170	Wiring and conduit to ESS	6.25 days	5 days	Mon 16/6/25	Thu 19/6/25	Wed 25/6/25	Mon 30/6/25	100%	100%	0 days
171	171	Electrical fittings / earth protection system	6.25 days	6.25 days	Thu 19/6/25	Tue 24/6/25	Wed 25/6/25	Mon 30/6/25	100%	100%	0 days
172	172	Installation of new MSB and EMSB (2200amp Busbar Coupler)	13.75 days	13.75 days	Fri 11/7/25	Thu 24/7/25	Mon 1/9/25	Fri 12/9/25	0%	0%	16.5 days
173	**173**	**Handover to SPPG**	**96.25 days**	**97.5 days**	**Mon 30/6/25**	**Sat 27/9/25**	**Tue 1/7/25**	**Sat 27/9/25**	**57%**	**56%**	**15.25 days**
174	174	Consultant Inspection & Rectification (if any)	3.75 days	5 days	Mon 30/6/25	Thu 3/7/25	Tue 1/7/25	Thu 3/7/25	100%	100%	0 days
175	175	SPPG Inspection	1.25 days	1.25 days	Thu 3/7/25	Thu 3/7/25	Thu 3/7/25	Thu 3/7/25	100%	100%	0 days
176	176	Rectification works	7.5 days	7.5 days	Fri 4/7/25	Thu 10/7/25	Fri 4/7/25	Thu 10/7/25	100%	100%	0 days
177	177	Handover to SPPG	1.25 days	1.25 days	Thu 10/7/25	Thu 10/7/25	Thu 10/7/25	Thu 10/7/25	100%	100%	0 days
178	178	New SPPG Power Turn On (10 weeks)	71.25 days	71.25 days	Fri 11/7/25	Mon 15/9/25	Fri 11/7/25	Mon 15/9/25	61%	60%	13.75 days
179	179	New MSB Turn On (to Consumer Switchroom)	15 days	15 days	Mon 15/9/25	Sat 27/9/25	Mon 15/9/25	Sat 27/9/25	0%	0%	15.25 days
180	**180**	**A&A Works at Main Building**	**330.26 days**	**333.25 days**	**Thu 2/1/25**	**Sat 8/11/25**	**Thu 2/1/25**	**Thu 6/11/25**	**44%**	**49%**	**81.99 days**
181	**181**	**Level 1**	**329.25 days**	**333.25 days**	**Thu 2/1/25**	**Sat 8/11/25**	**Thu 2/1/25**	**Wed 5/11/25**	**40%**	**45%**	**83 days**
182	**182**	**Demolition works**	**120 days**	**120 days**	**Thu 2/1/25**	**Thu 24/4/25**	**Thu 2/1/25**	**Thu 24/4/25**	**100%**	**100%**	**0 days**
183	183	GL A-E - Existing toilet and new lift wall opening	60 days	60 days	Thu 2/1/25	Thu 27/2/25	Thu 2/1/25	Thu 27/2/25	100%	100%	0 days
184	184	GL E-F Existing lobby and toilet	60 days	60 days	Thu 27/2/25	Thu 24/4/25	Thu 27/2/25	Thu 24/4/25	100%	100%	0 days
185	185	GL C1-A1 Existing Wall	30 days	30 days	Thu 27/3/25	Thu 24/4/25	Thu 27/3/25	Thu 24/4/25	100%	100%	0 days
186	**186**	**New consumer switch room, new MDF, New elec room**	**209.36 days**	**155.5 days**	**Thu 10/4/25**	**Tue 2/9/25**	**Thu 10/4/25**	**Wed 22/10/25**	**50%**	**55%**	**97.89 days**
187	**187**	**Archi works**	**209.36 days**	**155.5 days**	**Thu 10/4/25**	**Tue 2/9/25**	**Thu 10/4/25**	**Wed 22/10/25**	**70%**	**70%**	**97.89 days**
188	188	Wall Erection	13.75 days	13.75 days	Thu 10/4/25	Wed 23/4/25	Thu 10/4/25	Wed 23/4/25	100%	100%	0 days
189	189	Install door, window, louvre outer frame	21.25 days	21.25 days	Wed 23/4/25	Tue 13/5/25	Wed 18/6/25	Tue 8/7/25	100%	100%	0 days
190	190	Skimming and plastering	20 days	20 days	Tue 13/5/25	Sat 31/5/25	Tue 8/7/25	Sat 26/7/25	100%	100%	0 days
191	191	Painting	12 days	13.75 days	Mon 2/6/25	Sat 14/6/25	Mon 28/7/25	Mon 18/8/25	100%	100%	0 days
192	192	Install door frame	7 days	13.75 days	Mon 2/6/25	Sat 14/6/25	Tue 12/8/25	Tue 19/8/25	100%	100%	0 days
193	193	Install door panel	7 days	10 days	Thu 5/6/25	Sat 14/6/25	Tue 26/8/25	Mon 1/9/25	0%	0%	58.64 days
194	194	Static Resistant VCT (New MDF)	3 days	20 days	Sat 14/6/25	Thu 3/7/25	Mon 1/9/25	Thu 4/9/25	0%	0%	58.64 days
195	195	Floor epoxy finishes (Suggest to be done after TOP inspection)	21.25 days	21.25 days	Wed 13/8/25	Tue 2/9/25	Thu 2/10/25	Wed 22/10/25	0%	0%	97.89 days
196	**196**	**M&E works**	**58.11 days**	**64.25 days**	**Sat 14/6/25**	**Wed 13/8/25**	**Sat 9/8/25**	**Thu 2/10/25**	**16%**	**29%**	**41.64 days**
197	197	Electrical trunking and wiring	25 days	13.75 days	Sat 14/6/25	Fri 27/6/25	Sat 9/8/25	Sat 6/9/25	40%	39%	0 days
198	198	Electrical fitting / earth protection system / MSB installation / I	21.25 days	21.25 days	Fri 11/7/25	Thu 31/7/25	Fri 22/8/25	Fri 19/9/25	0%	35%	41.64 days
199	199	T&C	13.75 days	13.75 days	Thu 31/7/25	Wed 13/8/25	Fri 19/9/25	Thu 2/10/25	0%	0%	41.64 days
200	**200**	**New production area, new metals production, new shipping, new brea**	**212.25 days**	**222 days**	**Wed 16/4/25**	**Sat 8/11/25**	**Wed 16/4/25**	**Thu 30/10/25**	**44%**	**54%**	**89 days**
201	**201**	**Archi works**	**206 days**	**222 days**	**Wed 16/4/25**	**Sat 8/11/25**	**Wed 16/4/25**	**Fri 24/10/25**	**54%**	**54%**	**95.25 days**
202	202	Wall Erection (AAC Panel)	145 days	30 days	Wed 16/4/25	Wed 14/5/25	Wed 16/4/25	Fri 29/8/25	93%	93%	0 days



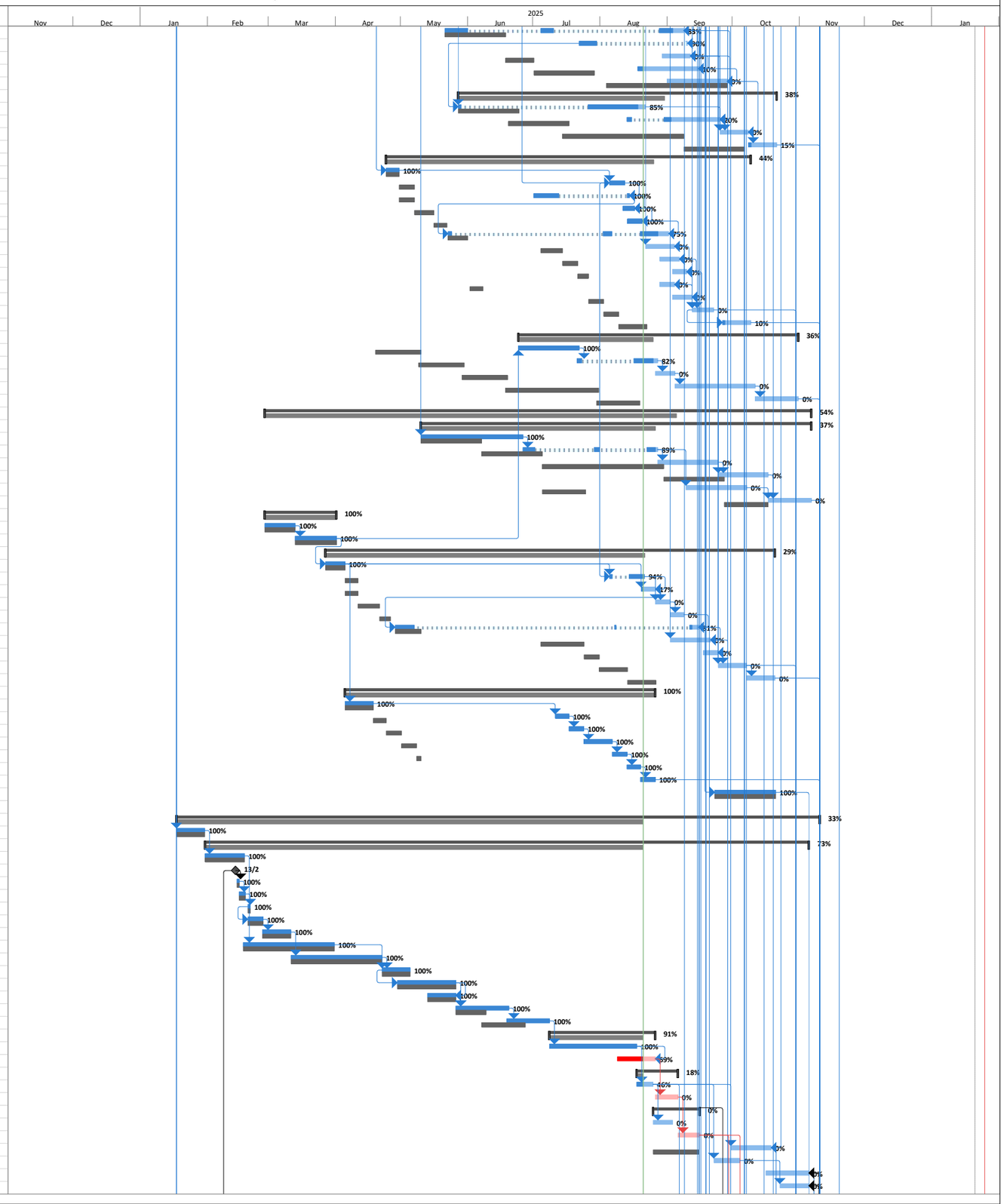
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ID	ID	Task Name	Duration	Baseline Duration	Baseline Start	Baseline Finish	Start	Finish	% Planned	% Complete	Total Slack
203	203	Install door, window, louvre outer frame	78 days	13.75 days	Thu 8/5/25	Wed 21/5/25	Thu 19/6/25	Mon 1/9/25	84%	84%	0 days
204	204	Skimming and plastering	78 days	30 days	Wed 14/5/25	Wed 11/6/25	Fri 20/6/25	Wed 3/9/25	82%	81%	0 days
205	205	Painting (1st coat)	18 days	20 days	Wed 11/6/25	Mon 30/6/25	Sat 12/7/25	Fri 5/9/25	71%	50%	0 days
206	206	Install door panel and inner frame	20 days	13.75 days	Tue 24/6/25	Mon 7/7/25	Fri 25/7/25	Mon 8/9/25	58%	58%	0 days
207	207	Drywall panel installation	35 days	30 days	Mon 30/6/25	Mon 28/7/25	Sat 9/8/25	Thu 11/9/25	34%	50%	32.75 days
208	208	Ceiling installation	30 days	30 days	Fri 1/8/25	Fri 29/8/25	Thu 14/8/25	Fri 26/9/25	14%	5%	19.5 days
209	209	Tiling Works (Existing Lobby)	30 days	30 days	Sat 23/8/25	Sat 20/9/25	Mon 1/9/25	Mon 29/9/25	0%	0%	19.5 days
210	210	Roller Shutter Installation	30 days	30 days	Sat 20/9/25	Sat 18/10/25	Fri 5/9/25	Fri 3/10/25	0%	0%	19.5 days
211	211	Painting (final coat)	21.25 days	21.25 days	Fri 15/8/25	Thu 4/9/25	Fri 12/9/25	Thu 2/10/25	0%	0%	20.75 days
212	212	Static Resistant VCT (New IDF)	21.25 days	21.25 days	Mon 7/7/25	Sat 26/7/25	Tue 9/9/25	Sat 27/9/25	0%	0%	25.5 days
213	213	Make good of existing floor	30 days	30 days	Sat 11/10/25	Sat 8/11/25	Fri 26/9/25	Fri 24/10/25	0%	0%	95.25 days
214	214	Floor epoxy finishes (Suggest to be done after TOP inspection)	30 days	30 days	Sat 11/10/25	Sat 8/11/25	Fri 26/9/25	Fri 24/10/25	0%	0%	95.25 days
215	**215**	**M&E works**	**141.5 days**	**178 days**	**Wed 14/5/25**	**Mon 27/10/25**	**Fri 20/6/25**	**Thu 30/10/25**	**33%**	**54%**	**11.5 days**
216	216	Conceal items installation	30 days	30 days	Wed 14/5/25	Wed 11/6/25	Fri 20/6/25	Wed 3/9/25	82%	81%	6 days
217	217	IC Line Installation Works (including sump & cover)	75 days	75 days	Wed 21/5/25	Wed 30/7/25	Fri 27/6/25	Fri 5/9/25	77%	76%	49.75 days
218	218	ACMV 1st fix installation (trunking/piping/ducting)	45 days	45 days	Mon 7/7/25	Mon 18/8/25	Thu 7/8/25	Sat 20/9/25	30%	70%	19.25 days
219	219	ACMV 2nd fix installation (equipment)	21.25 days	21.25 days	Tue 26/8/25	Sat 13/9/25	Mon 22/9/25	Sat 11/10/25	0%	20%	11.5 days
220	220	Fire protection system installation	75 days	60 days	Thu 24/7/25	Thu 18/9/25	Thu 24/7/25	Wed 8/10/25	35%	90%	14.25 days
221	221	Electrical works installation / lighting / power	50 days	60 days	Fri 11/7/25	Fri 5/9/25	Tue 12/8/25	Wed 8/10/25	15%	40%	14.25 days
222	222	ELV / Security system installation / PA system / Data	50 days	60 days	Mon 7/7/25	Mon 1/9/25	Thu 7/8/25	Wed 8/10/25	22%	40%	14.25 days
223	223	DI water installation	30 days	30 days	Mon 7/7/25	Mon 4/8/25	Thu 7/8/25	Mon 29/9/25	26%	30%	24.25 days
224	224	CDA installation	21.25 days	21.25 days	Mon 15/9/25	Sat 4/10/25	Thu 4/9/25	Wed 24/9/25	0%	30%	29.5 days
225	225	P&S installation	30 days	30 days	Mon 7/7/25	Mon 4/8/25	Thu 7/8/25	Thu 25/9/25	28%	45%	28.75 days
226	226	Turnstile installation	21.25 days	21.25 days	Mon 7/7/25	Sat 26/7/25	Tue 9/9/25	Sat 27/9/25	0%	0%	25.5 days
227	227	Final fix	7 days	10 days	Sat 4/10/25	Tue 14/10/25	Sat 11/10/25	Fri 17/10/25	0%	0%	11.5 days
228	228	T&C	13.75 days	13.75 days	Tue 14/10/25	Mon 27/10/25	Fri 17/10/25	Thu 30/10/25	0%	0%	11.5 days
229	**229**	**New toilet (Production area)**	**85.25 days**	**118.75 days**	**Wed 14/5/25**	**Tue 2/9/25**	**Mon 11/8/25**	**Wed 29/10/25**	**7%**	**8%**	**13.5 days**
230	230	Wall erection	20 days	13.75 days	Wed 14/5/25	Tue 27/5/25	Mon 11/8/25	Thu 28/8/25	56%	54%	13.5 days
231	231	Install door, window, louvre outer frame	6.25 days	6.25 days	Wed 28/5/25	Tue 3/6/25	Thu 28/8/25	Tue 2/9/25	0%	10%	26 days
232	232	M&E conceal items installation	6.25 days	6.25 days	Wed 28/5/25	Tue 3/6/25	Thu 28/8/25	Tue 2/9/25	0%	0%	13.5 days
233	233	Water proofing	7 days	13.75 days	Tue 3/6/25	Mon 16/6/25	Mon 1/9/25	Sat 6/9/25	0%	0%	13.5 days
234	234	Water proofing protection	7.5 days	7.5 days	Mon 16/6/25	Mon 23/6/25	Mon 8/9/25	Sat 13/9/25	0%	0%	13.5 days
235	235	Plastering and skimming works	18 days	13.75 days	Mon 23/6/25	Sat 5/7/25	Mon 1/9/25	Wed 17/9/25	0%	0%	13.5 days
236	236	Tiling Works	13.75 days	13.75 days	Sat 5/7/25	Fri 18/7/25	Sat 6/9/25	Fri 19/9/25	0%	0%	13.5 days
237	237	Ceiling gird installation	7.5 days	7.5 days	Fri 18/7/25	Fri 25/7/25	Wed 17/9/25	Wed 24/9/25	0%	0%	13.5 days
238	238	M&E above ceiling items fixing	6.25 days	6.25 days	Fri 25/7/25	Thu 31/7/25	Mon 22/9/25	Sat 27/9/25	0%	0%	13.5 days
239	239	Install door panel and inner frame	7.5 days	7.5 days	Sat 5/7/25	Sat 12/7/25	Sat 20/9/25	Sat 27/9/25	0%	0%	13.5 days
240	240	Ceiling installation	6.25 days	6.25 days	Fri 1/8/25	Thu 7/8/25	Sat 27/9/25	Fri 3/10/25	0%	0%	13.5 days
241	241	Toilet Partition	13.75 days	13.75 days	Thu 7/8/25	Wed 20/8/25	Fri 3/10/25	Thu 16/10/25	0%	0%	13.5 days
242	242	M&E final fix	13.75 days	13.75 days	Thu 7/8/25	Wed 20/8/25	Fri 3/10/25	Thu 16/10/25	0%	0%	13.5 days
243	243	T&C	13.75 days	13.75 days	Wed 20/8/25	Tue 2/9/25	Thu 16/10/25	Wed 29/10/25	0%	0%	13.5 days
244	**244**	**New toilet (Office area)**	**68.5 days**	**118.75 days**	**Wed 14/5/25**	**Tue 2/9/25**	**Mon 25/8/25**	**Mon 27/10/25**	**0%**	**0%**	**15.25 days**
245	245	Wall erection	15 days	13.75 days	Wed 14/5/25	Tue 27/5/25	Mon 25/8/25	Sat 6/9/25	0%	0%	15.25 days
246	246	Install door, window, louvre outer frame	6.25 days	6.25 days	Wed 28/5/25	Tue 3/6/25	Thu 4/9/25	Wed 10/9/25	0%	0%	23.25 days
247	247	M&E conceal items installation	6.25 days	6.25 days	Wed 28/5/25	Tue 3/6/25	Thu 4/9/25	Wed 10/9/25	0%	0%	15.25 days
248	248	Water proofing	13.75 days	13.75 days	Tue 3/6/25	Mon 16/6/25	Sat 30/8/25	Fri 12/9/25	0%	0%	15.25 days
249	249	Water proofing protection	7.5 days	7.5 days	Mon 16/6/25	Mon 23/6/25	Wed 10/9/25	Wed 17/9/25	0%	0%	15.25 days
250	250	Plastering and skimming works	13.75 days	13.75 days	Mon 23/6/25	Sat 5/7/25	Mon 8/9/25	Sat 20/9/25	0%	0%	15.25 days
251	251	Tiling Works	13.75 days	13.75 days	Sat 5/7/25	Fri 18/7/25	Wed 10/9/25	Tue 23/9/25	0%	0%	15.25 days
252	252	Ceiling gird installation	7.5 days	7.5 days	Fri 18/7/25	Fri 25/7/25	Fri 19/9/25	Thu 25/9/25	0%	0%	15.25 days
253	253	M&E above ceiling items fixing	6.25 days	6.25 days	Fri 25/7/25	Thu 31/7/25	Tue 23/9/25	Mon 29/9/25	0%	0%	15.25 days
254	254	Install door panel and inner frame	7.5 days	7.5 days	Sat 5/7/25	Sat 12/7/25	Mon 15/9/25	Mon 22/9/25	0%	0%	25.25 days
255	255	Ceiling installation	6.25 days	6.25 days	Fri 1/8/25	Thu 7/8/25	Thu 25/9/25	Wed 1/10/25	0%	0%	15.25 days
256	256	M&E final fix	13.75 days	13.75 days	Thu 7/8/25	Wed 20/8/25	Wed 1/10/25	Tue 14/10/25	0%	0%	15.25 days
257	257	T&C	13.75 days	13.75 days	Wed 20/8/25	Tue 2/9/25	Tue 14/10/25	Mon 27/10/25	0%	0%	15.25 days
258	**258**	**New conference room, new private office**	**150 days**	**153.75 days**	**Wed 28/5/25**	**Sat 18/10/25**	**Sat 31/5/25**	**Sat 18/10/25**	**37%**	**37%**	**24.75 days**
259	259	Wall erection	20 days	20 days	Wed 28/5/25	Mon 16/6/25	Sat 31/5/25	Thu 19/6/25	100%	100%	0 days
260	260	Install door, window, louvre outer frame	5 days	10 days	Mon 16/6/25	Wed 25/6/25	Thu 28/8/25	Tue 2/9/25	0%	0%	1.92 days
261	261	M&E conceal items installation	13.75 days	13.75 days	Mon 16/6/25	Sat 28/6/25	Thu 19/6/25	Wed 2/7/25	100%	100%	0 days
262	262	Water proofing	13.75 days	13.75 days	Mon 30/6/25	Sat 12/7/25	Thu 3/7/25	Wed 16/7/25	100%	100%	0 days
263	263	Water proofing protection	6.25 days	6.25 days	Sat 12/7/25	Fri 18/7/25	Wed 16/7/25	Tue 22/7/25	100%	100%	0 days
264	264	Plastering and skimming works	21.25 days	21.25 days	Fri 18/7/25	Thu 7/8/25	Tue 22/7/25	Thu 4/9/25	67%	66%	24.75 days
265	265	Tiling Works	13.75 days	13.75 days	Thu 7/8/25	Wed 20/8/25	Tue 26/8/25	Sat 6/9/25	0%	0%	24.75 days
266	266	Ceiling gird installation	7.5 days	7.5 days	Wed 20/8/25	Wed 27/8/25	Wed 3/9/25	Wed 10/9/25	0%	0%	24.75 days
267	267	M&E above ceiling items fixing	6.25 days	6.25 days	Wed 27/8/25	Tue 2/9/25	Sat 6/9/25	Fri 12/9/25	0%	0%	24.75 days
268	268	Install door panel and inner frame	7.5 days	7.5 days	Thu 7/8/25	Thu 14/8/25	Mon 1/9/25	Sat 6/9/25	0%	0%	33.75 days
269	269	Ceiling installation	13.75 days	13.75 days	Wed 3/9/25	Tue 16/9/25	Wed 3/9/25	Tue 16/9/25	0%	0%	24.75 days
270	270	Turnstile installation	20 days	20 days	Tue 16/9/25	Sat 4/10/25	Tue 16/9/25	Sat 4/10/25	0%	0%	39.75 days
271	271	M&E final fix	13.75 days	13.75 days	Tue 16/9/25	Mon 29/9/25	Tue 16/9/25	Mon 29/9/25	0%	0%	24.75 days
272	272	T&C	21.25 days	21.25 days	Mon 29/9/25	Sat 18/10/25	Mon 29/9/25	Sat 18/10/25	0%	0%	24.75 days
273	**273**	**ID Works**	**149.25 days**	**157.5 days**	**Tue 27/5/25**	**Tue 21/10/25**	**Thu 19/6/25**	**Wed 5/11/25**	**21%**	**18%**	**5.5 days**
274	274	Install drywall (one side)	20 days	20 days	Tue 27/5/25	Sat 14/6/25	Thu 19/6/25	Thu 14/8/25	100%	100%	0 days
275	275	M&E 1st Fix	12 days	13.75 days	Sat 14/6/25	Fri 27/6/25	Tue 8/7/25	Tue 19/8/25	100%	100%	0 days
276	276	Close Drywall	12 days	13.75 days	Sat 28/6/25	Fri 11/7/25	Wed 13/8/25	Sat 23/8/25	68%	20%	5.5 days
277	277	Tiling Works	20 days	21.25 days	Fri 11/7/25	Thu 31/7/25	Mon 25/8/25	Thu 11/9/25	0%	0%	5.5 days
278	278	Install frames / glass panels	13 days	13.75 days	Thu 24/7/25	Wed 6/8/25	Sat 30/8/25	Thu 11/9/25	0%	0%	5.5 days
279	279	Putty and sanding works	7 days	7.5 days	Wed 6/8/25	Wed 13/8/25	Fri 12/9/25	Thu 18/9/25	0%	0%	5.5 days
280	280	M&E 2nd Fix	13 days	13.75 days	Wed 6/8/25	Tue 19/8/25	Fri 12/9/25	Wed 24/9/25	0%	0%	5.5 days
281	281	Sealant & Touch Up Works	6 days	6.25 days	Wed 20/8/25	Tue 26/8/25	Wed 24/9/25	Tue 30/9/25	0%	0%	5.5 days
282	282	Install ceiling grids	6 days	6.25 days	Wed 20/8/25	Tue 26/8/25	Wed 24/9/25	Tue 30/9/25	0%	0%	5.5 days
283	283	Ceiling Board installation	13 days	13.75 days	Tue 26/8/25	Mon 8/9/25	Tue 30/9/25	Sat 11/10/25	0%	0%	5.5 days
284	284	Painting Works	6 days	6.25 days	Wed 20/8/25	Tue 26/8/25	Tue 7/10/25	Sat 11/10/25	0%	0%	5.5 days
285	285	Door panel installation	6 days	6.25 days	Tue 2/9/25	Mon 8/9/25	Tue 7/10/25	Sat 11/10/25	0%	0%	5.5 days
286	286	Furniture Installation Works	30 days	60 days	Tue 26/8/25	Tue 21/10/25	Tue 7/10/25	Tue 4/11/25	0%	0%	6.5 days
287	287	M&E final fix	12 days	13.75 days	Tue 26/8/25	Mon 8/9/25	Sat 11/10/25	Thu 23/10/25	0%	0%	5.5 days
288	288	T&C	14 days	21.25 days	Mon 8/9/25	Sat 27/9/25	Thu 23/10/25	Wed 5/11/25	0%	0%	5.5 days
289	**289**	**Level 2**	**293.95 days**	**267 days**	**Thu 30/1/25**	**Mon 6/10/25**	**Thu 30/1/25**	**Fri 31/10/25**	**55%**	**56%**	**10.8 days**
290	**290**	**Demolition works**	**120 days**	**120 days**	**Thu 30/1/25**	**Thu 22/5/25**	**Thu 30/1/25**	**Thu 22/5/25**	**100%**	**100%**	**0 days**
294	**294**	**New production area (for future use)**	**192.8 days**	**177 days**	**Thu 24/4/25**	**Mon 6/10/25**	**Thu 24/4/25**	**Tue 21/10/25**	**43%**	**44%**	**21.95 days**
295	**295**	**Archi works**	**168.5 days**	**168.5 days**	**Thu 24/4/25**	**Sun 28/9/25**	**Thu 24/4/25**	**Sun 28/9/25**	**45%**	**47%**	**12.4 days**
296	296	Wall Erection	25 days	25 days	Thu 24/4/25	Sat 17/5/25	Thu 24/4/25	Sat 17/5/25	100%	100%	0 days
297	297	Install door, window, louvre outer frame	12 days	13.75 days	Sat 17/5/25	Fri 30/5/25	Sat 28/6/25	Sat 6/9/25	76%	76%	2.1 days



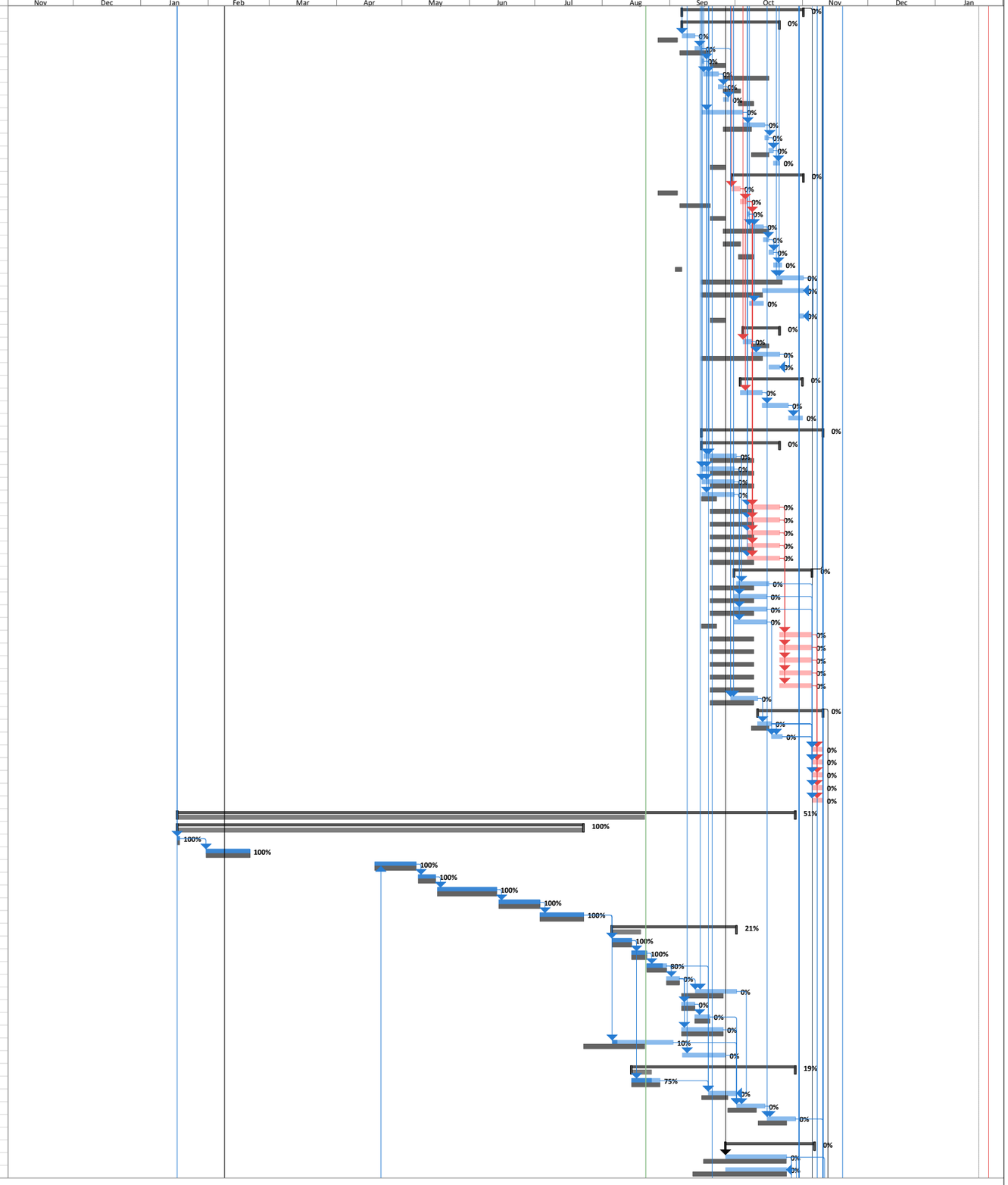
ELS SG2_MASTER PROGRAMME_R1D_20250820- Forecast Planning

ID	ID	Task Name	Duration	Baseline Duration	Baseline Start	Baseline Finish	Start	Finish	% Planned	% Complete	Total Slack
298	298	Skimming and plastering	30 days	30 days	Wed 21/5/25	Wed 18/6/25	Wed 21/5/25	Mon 8/9/25	83%	83%	2.1 days
299	299	Install drywall	10 days	0 days?	NA	NA	Tue 22/7/25	Wed 10/9/25	59%	90%	2.1 days
300	300	Painting	13.75 days	13.75 days	Wed 18/6/25	Tue 1/7/25	Fri 29/8/25	Thu 11/9/25	0%	0%	2.1 days
301	301	Install door panel and inner frame	30 days	30 days	Tue 1/7/25	Tue 29/7/25	Mon 18/8/25	Mon 15/9/25	11%	10%	24.1 days
302	302	Floor finishing works	30 days	60 days	Mon 4/8/25	Sun 28/9/25	Mon 1/9/25	Sun 28/9/25	0%	0%	12.4 days
303	**303**	**M&E works**	**157.05 days**	**141.25 days**	**Tue 27/5/25**	**Mon 6/10/25**	**Tue 27/5/25**	**Tue 21/10/25**	**39%**	**38%**	**21.95 days**
304	304	1st fix installation	30 days	30 days	Tue 27/5/25	Tue 24/6/25	Tue 27/5/25	Thu 21/8/25	98%	85%	38.4 days
305	305	2nd fix wiring works / exposed provision items installation	30 days	30 days	Thu 19/6/25	Thu 17/7/25	Wed 13/8/25	Thu 25/9/25	18%	20%	2.1 days
306	306	Final fix	14 days	60 days	Mon 14/7/25	Mon 8/9/25	Thu 25/9/25	Wed 8/10/25	0%	0%	2.1 days
307	307	T&C	14 days	30 days	Mon 8/9/25	Mon 6/10/25	Wed 8/10/25	Tue 21/10/25	0%	15%	21.95 days
308	**308**	**New Accessible Toilet / New Janitor / Existing M/F Toilet**	**180.5 days**	**129.5 days**	**Thu 24/4/25**	**Fri 22/8/25**	**Thu 24/4/25**	**Thu 9/10/25**	**44%**	**44%**	**34.25 days**
309	309	Wall erection	6.25 days	6.25 days	Thu 24/4/25	Wed 30/4/25	Thu 24/4/25	Wed 30/4/25	100%	100%	0 days
310	310	Install door, window, louvre outer frame	7.5 days	7.5 days	Wed 30/4/25	Wed 7/5/25	Tue 5/8/25	Tue 12/8/25	100%	100%	0 days
311	311	M&E conceal items installation	15 days	7.5 days	Wed 30/4/25	Wed 7/5/25	Tue 1/7/25	Thu 14/8/25	100%	100%	0 days
312	312	Water proofing	7 days	10 days	Wed 7/5/25	Fri 16/5/25	Mon 11/8/25	Sat 16/8/25	100%	100%	0 days
313	313	Water proofing protection	7 days	6.25 days	Fri 16/5/25	Thu 22/5/25	Wed 13/8/25	Wed 20/8/25	100%	100%	0 days
314	314	Plastering and skimming works	20 days	10 days	Fri 23/5/25	Sat 31/5/25	Fri 23/5/25	Mon 1/9/25	88%	75%	14.4 days
315	315	Tiling works	14 days	10 days	Fri 4/7/25	Mon 14/7/25	Fri 22/8/25	Thu 4/9/25	0%	0%	14.4 days
316	316	Ceiling gird installation	10 days	7.5 days	Mon 14/7/25	Mon 21/7/25	Thu 28/8/25	Sat 6/9/25	0%	0%	14.4 days
317	317	M&E above ceiling items fixing	7 days	6.25 days	Mon 21/7/25	Sat 26/7/25	Wed 3/9/25	Tue 9/9/25	0%	0%	14.4 days
318	318	Install door panel and inner frame	7 days	7.5 days	Mon 2/6/25	Sat 7/6/25	Thu 28/8/25	Thu 4/9/25	0%	0%	23.4 days
319	319	Ceiling installation	10 days	7.5 days	Sat 26/7/25	Sat 2/8/25	Wed 3/9/25	Fri 12/9/25	0%	0%	14.4 days
320	320	M&E final fix	10 days	7.5 days	Sat 2/8/25	Sat 9/8/25	Fri 12/9/25	Mon 22/9/25	0%	0%	14.4 days
321	321	T&C	14 days	13.75 days	Sat 9/8/25	Fri 22/8/25	Fri 26/9/25	Thu 9/10/25	0%	10%	34.25 days
322	**322**	**Exisiting open to sky area**	**138.95 days**	**130 days**	**Sat 19/4/25**	**Tue 19/8/25**	**Tue 24/6/25**	**Fri 31/10/25**	**36%**	**36%**	**10.8 days**
323	323	Demolition works to remove exisiting waterproofing	30 days	22.5 days	Sat 19/4/25	Sat 10/5/25	Tue 24/6/25	Tue 22/7/25	100%	100%	0 days
324	324	Slab opening works for M&E	14 days	22.5 days	Fri 9/5/25	Fri 30/5/25	Mon 21/7/25	Wed 27/8/25	82%	82%	10.8 days
325	325	Cast doghouse and RC plinth	10 days	22.5 days	Thu 29/5/25	Thu 19/6/25	Tue 26/8/25	Thu 4/9/25	0%	0%	10.8 days
326	326	Waterproofing works / water ponding test / protection screed	40 days	46.25 days	Wed 18/6/25	Thu 31/7/25	Thu 4/9/25	Sat 11/10/25	0%	0%	10.8 days
327	327	Ducting and piping installation to L3	21 days	21.25 days	Wed 30/7/25	Tue 19/8/25	Sat 11/10/25	Fri 31/10/25	0%	0%	10.8 days
328	**328**	**Level 3**	**270.26 days**	**252.25 days**	**Thu 27/2/25**	**Mon 20/10/25**	**Thu 27/2/25**	**Thu 6/11/25**	**45%**	**54%**	**4.49 days**
329	**329**	**Exisiting equipment area (open to sky)**	**192.76 days**	**171.25 days**	**Sat 10/5/25**	**Fri 17/10/25**	**Sat 10/5/25**	**Thu 6/11/25**	**36%**	**37%**	**4.49 days**
330	330	Demolition works to remove exisiting waterproofing	50 days	30 days	Sat 10/5/25	Sat 7/6/25	Sat 10/5/25	Thu 26/6/25	100%	100%	0 days
331	331	Cast RC plinth	14 days	30 days	Sat 7/6/25	Sat 5/7/25	Thu 26/6/25	Wed 27/8/25	89%	89%	4.49 days
332	332	Waterproofing works / water ponding test / protection screed	30 days	60 days	Sat 5/7/25	Sat 30/8/25	Wed 27/8/25	Wed 24/9/25	0%	0%	4.49 days
333	333	MAU installation	25 days	30 days	Sat 30/8/25	Sat 27/9/25	Wed 24/9/25	Fri 17/10/25	0%	0%	4.49 days
334	334	Hosereel and pump	30 days	21.25 days	Sat 5/7/25	Fri 25/7/25	Tue 9/9/25	Tue 7/10/25	0%	0%	15.49 days
335	335	T&C	21 days	21.25 days	Sat 27/9/25	Fri 17/10/25	Fri 17/10/25	Thu 6/11/25	0%	0%	4.49 days
336	**336**	**Demolition works**	**35 days**	**35 days**	**Thu 27/2/25**	**Tue 1/4/25**	**Thu 27/2/25**	**Tue 1/4/25**	**100%**	**100%**	**0 days**
337	337	GL E-F / 1-3 - Existing pantry, toilet and staircase wall	15 days	15 days	Thu 27/2/25	Thu 13/3/25	Thu 27/2/25	Thu 13/3/25	100%	100%	0 days
338	338	GL E-F / 4-5 - Existing staff area and staircase wall	20 days	20 days	Thu 13/3/25	Tue 1/4/25	Thu 13/3/25	Tue 1/4/25	100%	100%	0 days
339	**339**	**New accessible toilet**	**222 days**	**163.25 days**	**Thu 27/3/25**	**Tue 26/8/25**	**Thu 27/3/25**	**Mon 20/10/25**	**29%**	**29%**	**22.75 days**
340	340	Wall erection	10 days	10 days	Thu 27/3/25	Sat 5/4/25	Thu 27/3/25	Sat 5/4/25	100%	100%	0 days
341	341	Install door, window, louvre outer frame	10 days	6.25 days	Sat 5/4/25	Fri 11/4/25	Tue 5/8/25	Thu 21/8/25	95%	94%	18.34 days
342	342	M&E conceal items installation	7 days	6.25 days	Sat 5/4/25	Fri 11/4/25	Wed 20/8/25	Tue 26/8/25	17%	17%	18.34 days
343	343	Water proofing	7 days	10 days	Fri 11/4/25	Mon 21/4/25	Tue 26/8/25	Tue 2/9/25	0%	0%	22.75 days
344	344	Water proofing protection	7 days	6.25 days	Mon 21/4/25	Sat 26/4/25	Tue 2/9/25	Mon 8/9/25	0%	0%	22.75 days
345	345	Plastering and skimming works	14 days	13.75 days	Mon 28/4/25	Sat 10/5/25	Mon 28/4/25	Mon 15/9/25	82%	81%	22.75 days
346	346	Tiling Works	21 days	21.25 days	Fri 4/7/25	Thu 24/7/25	Tue 2/9/25	Sat 20/9/25	0%	0%	22.75 days
347	347	Install door panel and inner frame	7 days	7.5 days	Thu 24/7/25	Thu 31/7/25	Wed 17/9/25	Wed 24/9/25	0%	0%	22.75 days
348	348	M&E final fix	14 days	13.75 days	Thu 31/7/25	Wed 13/8/25	Wed 24/9/25	Tue 7/10/25	0%	0%	22.75 days
349	349	T&C	14 days	13.75 days	Wed 13/8/25	Tue 26/8/25	Tue 7/10/25	Mon 20/10/25	0%	0%	22.75 days
350	**350**	**New ancillary office (for future use)**	**152.75 days**	**37.5 days**	**Sat 5/4/25**	**Sat 10/5/25**	**Sat 5/4/25**	**Tue 26/8/25**	**91%**	**100%**	**0 days**
351	351	Wall erection	13.75 days	13.75 days	Sat 5/4/25	Fri 18/4/25	Sat 5/4/25	Fri 18/4/25	100%	100%	0 days
352	352	Install door, window, louvre outer frame	7 days	6.25 days	Fri 18/4/25	Thu 24/4/25	Fri 11/7/25	Thu 17/7/25	100%	100%	0 days
353	353	Skimming and plastering	7 days	7.5 days	Thu 24/4/25	Thu 1/5/25	Thu 17/7/25	Thu 24/7/25	100%	100%	0 days
354	354	Painting	14 days	7.5 days	Thu 1/5/25	Thu 8/5/25	Thu 24/7/25	Wed 6/8/25	100%	100%	0 days
355	355	Install door panel and inner frame	7 days	2.5 days	Thu 8/5/25	Sat 10/5/25	Wed 6/8/25	Wed 13/8/25	100%	100%	0 days
356	356	M&E Final Fix	7 days	0 days?	NA	NA	Wed 13/8/25	Tue 19/8/25	100%	100%	0 days
357	357	T&C	7 days	0 days?	NA	NA	Tue 19/8/25	Tue 26/8/25	21%	100%	0 days
358	358	Make good of existing floors	30 days	30 days	Tue 23/9/25	Mon 20/10/25	Tue 23/9/25	Mon 20/10/25	0%	100%	0 days
359	359										
360	**360**	**New CUB Building**	**316.75 days**	**304.5 days**	**Fri 17/1/25**	**Wed 29/10/25**	**Fri 17/1/25**	**Mon 10/11/25**	**33%**	**33%**	**64.5 days**
361	361	Demolition/ Removal works/ Preparation of surface	13.75 days	13.75 days	Fri 17/1/25	Thu 30/1/25	Fri 17/1/25	Thu 30/1/25	100%	100%	0 days
362	**362**	**Structural works**	**297.75 days**	**243 days**	**Fri 31/1/25**	**Mon 15/9/25**	**Fri 31/1/25**	**Wed 5/11/25**	**72%**	**73%**	**69.5 days**
363	363	ULT and report	18.75 days	18.75 days	Fri 31/1/25	Mon 17/2/25	Fri 31/1/25	Mon 17/2/25	100%	100%	0 days
364	364	Additional SI instruction received due to short pile for ULT	1.25 days	1.25 days	Thu 13/2/25	Thu 13/2/25	Thu 13/2/25	Thu 13/2/25	100%	100%	0 days
365	365	Additional SI Works Mobilisation	1.25 days	1.25 days	Fri 14/2/25	Sat 15/2/25	Fri 14/2/25	Sat 15/2/25	100%	100%	0 days
366	366	SI Works	2.5 days	2.5 days	Sat 15/2/25	Tue 18/2/25	Sat 15/2/25	Tue 18/2/25	100%	100%	0 days
367	367	Field Log Submission	1.25 days	1.25 days	Wed 19/2/25	Thu 20/2/25	Wed 19/2/25	Thu 20/2/25	100%	100%	0 days
368	368	AC Check (Assumed 7 days duration)	7.5 days	7.5 days	Wed 19/2/25	Wed 26/2/25	Wed 19/2/25	Wed 26/2/25	100%	100%	0 days
369	369	Amendment ST Submission (Assumed BCA Approval)	13.75 days	13.75 days	Wed 26/2/25	Tue 11/3/25	Wed 26/2/25	Tue 11/3/25	100%	100%	0 days
370	370	Install Piling (Original Schedule)	45 days	45 days	Mon 17/2/25	Mon 31/3/25	Mon 17/2/25	Mon 31/3/25	100%	100%	0 days
371	371	Install Piling (Pending Amendment ST Submission)	45 days	45 days	Tue 11/3/25	Tue 22/4/25	Tue 11/3/25	Tue 22/4/25	100%	100%	0 days
372	372	WLT (1) & PDA (6) & PIT (6)	13.75 days	13.75 days	Tue 22/4/25	Mon 5/5/25	Tue 22/4/25	Mon 5/5/25	100%	100%	0 days
373	373	ERSS Works	28.75 days	28.75 days	Tue 29/4/25	Mon 26/5/25	Tue 29/4/25	Mon 26/5/25	100%	100%	0 days
374	374	Instrumentation works	13.75 days	13.75 days	Tue 13/5/25	Mon 26/5/25	Tue 13/5/25	Mon 26/5/25	100%	100%	0 days
375	375	Excavation works	27 days	15 days	Mon 26/5/25	Mon 9/6/25	Mon 26/5/25	Thu 19/6/25	100%	100%	0 days
376	376	Construct Pilecap and column stump	21 days	21.25 days	Sat 7/6/25	Fri 27/6/25	Thu 19/6/25	Tue 8/7/25	100%	100%	0 days
377	**377**	**Construct ground beam and slab**	**52 days**	**21.25 days**	**Fri 27/6/25**	**Thu 17/7/25**	**Tue 8/7/25**	**Tue 26/8/25**	**90%**	**91%**	**1 day**
378	378	Part 1 - GL: D.1-F.1/ 4A-5A	42.75 days	0 days?	NA	NA	Tue 8/7/25	Sun 17/8/25	100%	100%	0 days
379	379	Part 2 - GL: F.1-H.1/ 4A-5A	18 days	0 days?	NA	NA	Sat 9/8/25	Tue 26/8/25	69%	69%	1 day
380	**380**	**Construct L1 to L2 col./wall and L2 beam & slab**	**21.25 days**	**22.5 days**	**Wed 16/7/25**	**Wed 6/8/25**	**Mon 18/8/25**	**Fri 5/9/25**	**18%**	**18%**	**5 days**
381	381	Part 1 - GL: D.1-F.1/ 4A-5A	8 days	0 days?	NA	NA	Mon 18/8/25	Mon 25/8/25	46%	46%	18.25 days
382	382	Part 2 - GL: F.1-H.1/ 4A-5A	12 days	0 days?	NA	NA	Tue 26/8/25	Fri 5/9/25	0%	0%	1 day
383	**383**	**Construct L2 to Roof col./wall and Roof beam and slab**	**23.25 days**	**22.5 days**	**Tue 5/8/25**	**Tue 26/8/25**	**Mon 25/8/25**	**Mon 15/9/25**	**0%**	**0%**	**14.25 days**
384	384	Part 1 - GL: D.1-F.1/ 4A-5A (u/s beam, parapet wall, plinths, stumps	10 days	0 days?	NA	NA	Mon 25/8/25	Wed 3/9/25	0%	0%	27.5 days
385	385	Part 2 - GL: F.1-H.1/ 4A-5A	10 days	0 days?	NA	NA	Sat 6/9/25	Mon 15/9/25	0%	0%	1 day
386	386	Install steel structure at Roof	21 days	22.5 days	Mon 25/8/25	Mon 15/9/25	Tue 30/9/25	Sat 18/10/25	0%	0%	73.25 days
387	387	Install steel staircase	14 days	0 days?	NA	NA	Mon 22/9/25	Sat 4/10/25	0%	0%	88.75 days
388	388	Install steel catwalk	21 days	0 days?	NA	NA	Thu 16/10/25	Wed 5/11/25	0%	0%	69.5 days
389	389	Install steel canopy	14 days	0 days?	NA	NA	Thu 23/10/25	Wed 5/11/25	0%	0%	69.5 days



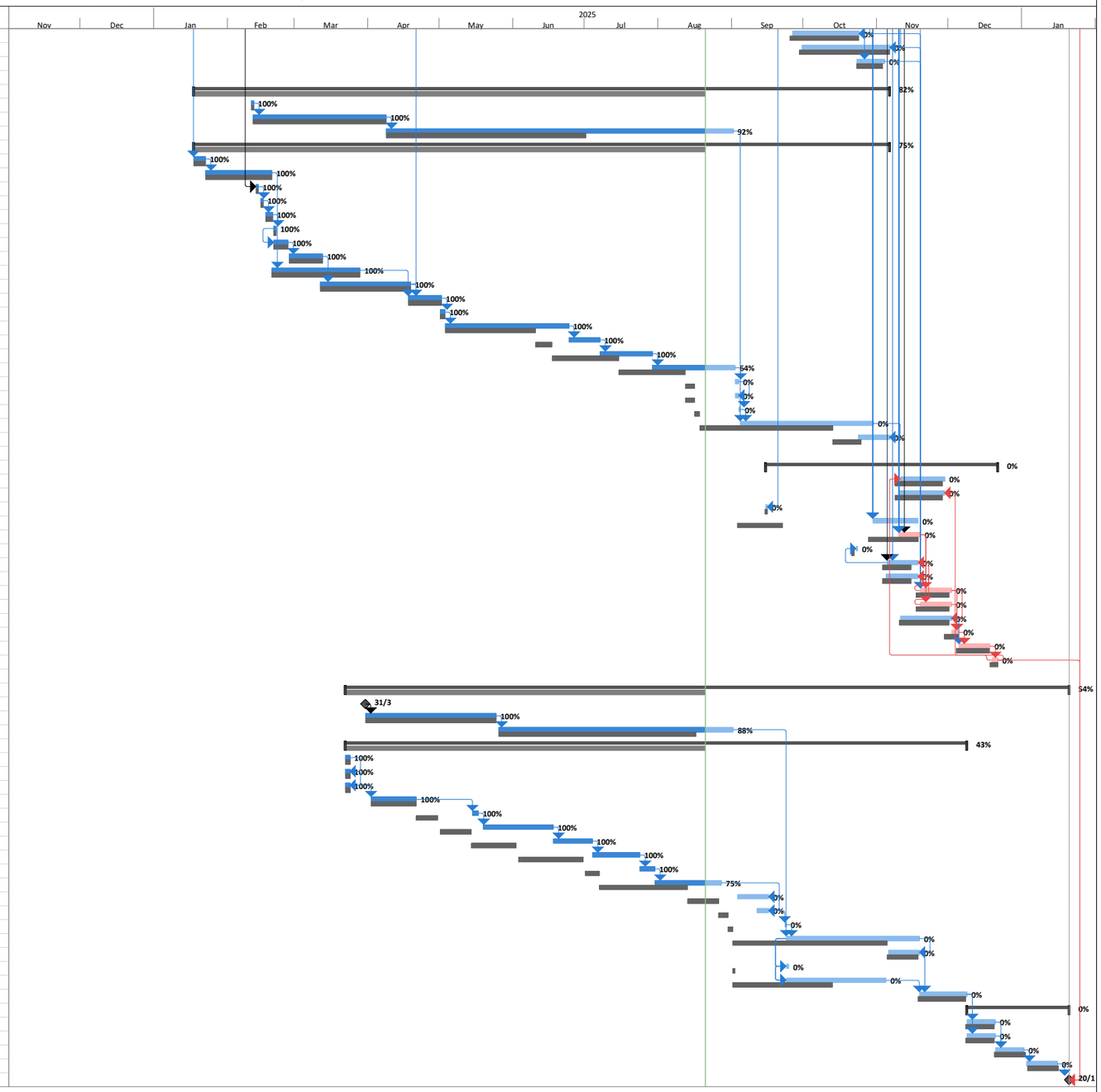
ELS SG2_MASTER PROGRAMME_R1D_20250820- Forecast Planning

ID	ID	Task Name	Duration	Baseline Duration	Baseline Start	Baseline Finish	Start	Finish	% Planned	% Complete	Total Slack
390	**390**	**Archi works**	**59.5 days**	**63.75 days**	**Tue 26/8/25**	**Fri 24/10/25**	**Sat 6/9/25**	**Sat 1/11/25**	**0%**	**0%**	**18.25 days**
391	**391**	**L1**	**47 days**	**0 days?**	**NA**	**NA**	**Sat 6/9/25**	**Tue 21/10/25**	**0%**	**0%**	**18.25 days**
392	392	Wall erection	6 days	10 days	Tue 26/8/25	Thu 4/9/25	Sat 6/9/25	Fri 12/9/25	0%	0%	18.25 days
393	393	Skimming and plastering	3 days	15 days	Fri 5/9/25	Fri 19/9/25	Fri 12/9/25	Mon 15/9/25	0%	0%	18.25 days
394	394	Painting (first coat)	1 day	7.5 days	Fri 19/9/25	Fri 26/9/25	Mon 15/9/25	Tue 16/9/25	0%	0%	109.75 days
395	395	Roller Shutter Installation	7 days	22.5 days	Thu 25/9/25	Thu 16/10/25	Tue 16/9/25	Tue 23/9/25	0%	0%	109.75 days
396	396	Install door panel and louvre	3 days	8.75 days	Thu 25/9/25	Fri 3/10/25	Tue 23/9/25	Thu 25/9/25	0%	0%	109.75 days
397	397	Install ironmongery	3 days	7.5 days	Thu 2/10/25	Thu 9/10/25	Thu 25/9/25	Sat 27/9/25	0%	0%	109.75 days
398	398	Waterproofing, testing and screeding	21 days	0 days?	NA	NA	Mon 15/9/25	Sat 4/10/25	0%	0%	85.75 days
399	399	Tiling Works (Bin Centre)	10 days	13.75 days	Thu 25/9/25	Wed 8/10/25	Sat 4/10/25	Tue 14/10/25	0%	0%	85.75 days
400	400	Scupper drain grating (Bin Centre)	2 days	0 days?	NA	NA	Tue 14/10/25	Thu 16/10/25	0%	0%	85.75 days
401	401	Install FRP grating (chemical room)	3 days	8.75 days	Wed 8/10/25	Thu 16/10/25	Thu 16/10/25	Sat 18/10/25	0%	0%	85.75 days
402	402	Painting (final coat)	2 days	7.5 days	Fri 19/9/25	Fri 26/9/25	Sat 18/10/25	Tue 21/10/25	0%	0%	85.75 days
403	**403**	**L2**	**36.25 days**	**0 days?**	**NA**	**NA**	**Mon 29/9/25**	**Sat 1/11/25**	**0%**	**0%**	**1 day**
404	404	Wall erection	5 days	10 days	Tue 26/8/25	Thu 4/9/25	Mon 29/9/25	Fri 3/10/25	0%	0%	1 day
405	405	Skimming and plastering	3 days	15 days	Fri 5/9/25	Fri 19/9/25	Fri 3/10/25	Mon 6/10/25	0%	0%	1 day
406	406	Painting (first coat)	1 day	7.5 days	Fri 19/9/25	Fri 26/9/25	Mon 6/10/25	Tue 7/10/25	0%	0%	84.5 days
407	407	Roller Shutter Installation	7 days	22.5 days	Thu 25/9/25	Thu 16/10/25	Tue 7/10/25	Mon 13/10/25	0%	0%	84.5 days
408	408	Install door panel and weatherproof louvre	3 days	8.75 days	Thu 25/9/25	Fri 3/10/25	Tue 14/10/25	Thu 16/10/25	0%	0%	84.5 days
409	409	Install ironmongery	3 days	7.5 days	Thu 2/10/25	Thu 9/10/25	Thu 16/10/25	Sat 18/10/25	0%	0%	84.5 days
410	410	Install railing, catladder	3 days	3.75 days	Wed 3/9/25	Sat 6/9/25	Sat 18/10/25	Wed 22/10/25	0%	0%	84.5 days
411	411	Install acoustic louver	14 days	40 days	Mon 15/9/25	Wed 22/10/25	Mon 20/10/25	Sat 1/11/25	0%	0%	73.25 days
412	412	Waterproofing Works (Exposed type, including testing)	21 days	30 days	Mon 15/9/25	Mon 13/10/25	Mon 13/10/25	Sat 1/11/25	0%	0%	73.25 days
413	413	Install RWDP	7 days	0 days?	NA	NA	Tue 7/10/25	Mon 13/10/25	0%	0%	93.5 days
414	414	Painting (final coat)	2 days	7.5 days	Fri 19/9/25	Fri 26/9/25	Thu 30/10/25	Sat 1/11/25	0%	0%	73.25 days
415	**415**	**Roof**	**17 days**	**0 days?**	**NA**	**NA**	**Sat 4/10/25**	**Tue 21/10/25**	**0%**	**0%**	**85.5 days**
416	416	Install hatch door and catladder	3 days	8.75 days	Wed 8/10/25	Thu 16/10/25	Sat 4/10/25	Wed 8/10/25	0%	0%	85.5 days
417	417	Waterproofing Works (Exposed type, including testing)	14 days	30 days	Mon 15/9/25	Mon 13/10/25	Wed 8/10/25	Tue 21/10/25	0%	0%	85.5 days
418	418	Install BMU	5 days	0 days?	NA	NA	Thu 16/10/25	Tue 21/10/25	0%	0%	85.5 days
419	**419**	**External**	**31 days**	**0 days?**	**NA**	**NA**	**Fri 3/10/25**	**Fri 31/10/25**	**0%**	**0%**	**73.5 days**
420	420	Waterproofing	10 days	0 days?	NA	NA	Fri 3/10/25	Mon 13/10/25	0%	0%	73.5 days
421	421	Plastering Works	14 days	0 days?	NA	NA	Mon 13/10/25	Sat 25/10/25	0%	0%	73.5 days
422	422	Painting (3 coats)	7 days	0 days?	NA	NA	Sat 25/10/25	Fri 31/10/25	0%	0%	73.5 days
423	**423**	**M&E works (including piping/connection works)**	**59.25 days**	**47.5 days**	**Mon 15/9/25**	**Wed 29/10/25**	**Mon 15/9/25**	**Mon 10/11/25**	**0%**	**0%**	**1 day**
424	**424**	**Cx-2 Works**	**38.25 days**	**0 days?**	**NA**	**NA**	**Mon 15/9/25**	**Tue 21/10/25**	**0%**	**0%**	**1 day**
425	425	ACMV - Water-cooled Chiller installation	16 days	21.25 days	Fri 19/9/25	Thu 9/10/25	Tue 16/9/25	Wed 1/10/25	0%	0%	22 days
426	426	ACMV - Chilled Water Pump installation	16 days	21.25 days	Fri 19/9/25	Thu 9/10/25	Mon 15/9/25	Tue 30/9/25	0%	0%	23.25 days
427	427	ACMV - Condenser Water Pump installation	16 days	21.25 days	Fri 19/9/25	Thu 9/10/25	Mon 15/9/25	Tue 30/9/25	0%	0%	23.25 days
428	428	P&S - Newater transfer tank installation	16 days	7.5 days	Mon 15/9/25	Mon 22/9/25	Mon 15/9/25	Tue 30/9/25	0%	0%	18.25 days
429	429	ACMV - Cooling Tower installation	16 days	21.25 days	Fri 19/9/25	Thu 9/10/25	Mon 6/10/25	Tue 21/10/25	0%	0%	1 day
430	430	ACMV - Make-Up Water Pump installation	16 days	21.25 days	Fri 19/9/25	Thu 9/10/25	Mon 6/10/25	Tue 21/10/25	0%	0%	1 day
431	431	Compressed Dry Air (CDA) installation	16 days	21.25 days	Fri 19/9/25	Thu 9/10/25	Mon 6/10/25	Tue 21/10/25	0%	0%	1 day
432	432	FPS - Pump room installation	16 days	21.25 days	Fri 19/9/25	Thu 9/10/25	Mon 6/10/25	Tue 21/10/25	0%	0%	1 day
433	433	ACMV - MV installation	16 days	21.25 days	Fri 19/9/25	Thu 9/10/25	Mon 6/10/25	Tue 21/10/25	0%	0%	1 day
434	**434**	**Cx-3 Works**	**38.25 days**	**0 days?**	**NA**	**NA**	**Tue 30/9/25**	**Wed 5/11/25**	**0%**	**0%**	**1 day**
435	435	ACMV - Water-cooled Chiller installation	16 days	21.25 days	Fri 19/9/25	Thu 9/10/25	Wed 1/10/25	Thu 16/10/25	0%	0%	22 days
436	436	ACMV - Chilled Water Pump installation	16 days	21.25 days	Fri 19/9/25	Thu 9/10/25	Tue 30/9/25	Wed 15/10/25	0%	0%	23.25 days
437	437	ACMV - Condenser Water Pump installation	16 days	21.25 days	Fri 19/9/25	Thu 9/10/25	Tue 30/9/25	Wed 15/10/25	0%	0%	23.25 days
438	438	P&S - NEWater transfer tank installation	16 days	7.5 days	Mon 15/9/25	Mon 22/9/25	Tue 30/9/25	Wed 15/10/25	0%	0%	18.25 days
439	439	ACMV - Cooling Tower installation	16 days	21.25 days	Fri 19/9/25	Thu 9/10/25	Tue 21/10/25	Wed 5/11/25	0%	0%	1 day
440	440	ACMV - Make-Up Water Pump installation	16 days	21.25 days	Fri 19/9/25	Thu 9/10/25	Tue 21/10/25	Wed 5/11/25	0%	0%	1 day
441	441	Compressed Dry Air (CDA) installation	16 days	21.25 days	Fri 19/9/25	Thu 9/10/25	Tue 21/10/25	Wed 5/11/25	0%	0%	1 day
442	442	FPS - Pump room installation	16 days	21.25 days	Fri 19/9/25	Thu 9/10/25	Tue 21/10/25	Wed 5/11/25	0%	0%	1 day
443	443	ACMV - MV installation	16 days	21.25 days	Fri 19/9/25	Thu 9/10/25	Tue 21/10/25	Wed 5/11/25	0%	0%	1 day
444	444	MCC installation include cabling	14 days	21.25 days	Fri 19/9/25	Thu 9/10/25	Mon 29/9/25	Sat 11/10/25	0%	0%	15.25 days
445	**445**	**Final fix & T&C (Cx-4 Works)**	**31.25 days**	**8.75 days**	**Wed 8/10/25**	**Thu 16/10/25**	**Sat 11/10/25**	**Mon 10/11/25**	**0%**	**0%**	**1 day**
446	446	MCC Turn On	7 days	8.75 days	Wed 8/10/25	Thu 16/10/25	Sat 11/10/25	Fri 17/10/25	0%	0%	15.25 days
447	447	NEWater Pump	5 days	0 days?	NA	NA	Fri 17/10/25	Wed 22/10/25	0%	0%	15.25 days
448	448	CHW	5 days	0 days?	NA	NA	Wed 5/11/25	Mon 10/11/25	0%	0%	1 day
449	449	CDW	5 days	0 days?	NA	NA	Wed 5/11/25	Mon 10/11/25	0%	0%	1 day
450	450	Fire Pump	5 days	0 days?	NA	NA	Wed 5/11/25	Mon 10/11/25	0%	0%	1 day
451	451	CDA	5 days	0 days?	NA	NA	Wed 5/11/25	Mon 10/11/25	0%	0%	1 day
452	452	MV	5 days	0 days?	NA	NA	Wed 5/11/25	Mon 10/11/25	0%	0%	1 day
453	**453**	**New vacuum exhaust pump room (NVE)**	**303.75 days**	**299.75 days**	**Fri 17/1/25**	**Fri 24/10/25**	**Fri 17/1/25**	**Tue 28/10/25**	**51%**	**51%**	**14 days**
454	**454**	**Structural works**	**199.25 days**	**199.25 days**	**Fri 17/1/25**	**Wed 23/7/25**	**Fri 17/1/25**	**Wed 23/7/25**	**100%**	**100%**	**0 days**
455	455	Demolition/ Removal Works/ Preparation of surface	1.38 days	1.38 days	Fri 17/1/25	Sat 18/1/25	Fri 17/1/25	Sat 18/1/25	100%	100%	0 days
456	456	Removal of affected underground hydrant pipe	21.25 days	21.25 days	Fri 31/1/25	Wed 19/2/25	Fri 31/1/25	Wed 19/2/25	100%	100%	0 days
457	457	Install Piling	20 days	20 days	Fri 18/4/25	Wed 7/5/25	Fri 18/4/25	Wed 7/5/25	100%	100%	0 days
458	458	WLT & PDA	8.75 days	8.75 days	Thu 8/5/25	Fri 16/5/25	Thu 8/5/25	Fri 16/5/25	100%	100%	0 days
459	459	Construct Pilecap and column stump	28.75 days	28.75 days	Sat 17/5/25	Fri 13/6/25	Sat 17/5/25	Fri 13/6/25	100%	100%	0 days
460	460	Construct ground beam and slab	20 days	20 days	Sat 14/6/25	Thu 3/7/25	Sat 14/6/25	Thu 3/7/25	100%	100%	0 days
461	461	Construct L1 to Roof col./wall and Roof Beam & Slab	21.25 days	21.25 days	Thu 3/7/25	Wed 23/7/25	Thu 3/7/25	Wed 23/7/25	100%	100%	0 days
462	**462**	**Archi works**	**62 days**	**68.75 days**	**Wed 23/7/25**	**Thu 25/9/25**	**Tue 5/8/25**	**Wed 1/10/25**	**24%**	**21%**	**14 days**
463	463	Wall erection	10 days	10 days	Tue 5/8/25	Thu 14/8/25	Tue 5/8/25	Thu 14/8/25	100%	100%	0 days
464	464	Install door/ window outer frame	7.5 days	7.5 days	Thu 14/8/25	Thu 21/8/25	Thu 14/8/25	Thu 21/8/25	100%	100%	0 days
465	465	Skimming and plastering	10 days	10 days	Thu 21/8/25	Sat 30/8/25	Thu 21/8/25	Sat 30/8/25	-3%	80%	21 days
466	466	Painting	6.25 days	6.25 days	Sat 30/8/25	Fri 5/9/25	Sat 30/8/25	Fri 5/9/25	0%	0%	21 days
467	467	Roller Shutter Installation	20 days	20 days	Sat 6/9/25	Thu 25/9/25	Fri 12/9/25	Wed 1/10/25	0%	0%	14 days
468	468	Install door panel and inner frame	6.25 days	6.25 days	Sat 6/9/25	Fri 12/9/25	Sat 6/9/25	Fri 12/9/25	0%	0%	27.25 days
469	469	Install ironmongery	7.5 days	7.5 days	Fri 12/9/25	Fri 19/9/25	Fri 12/9/25	Fri 19/9/25	0%	0%	27.25 days
470	470	Floor epoxy finishes	20 days	20 days	Sat 6/9/25	Thu 25/9/25	Sat 6/9/25	Thu 25/9/25	0%	0%	21 days
471	471	Waterproofing Works (including testing & protection screed)	30 days	30 days	Wed 23/7/25	Wed 20/8/25	Tue 5/8/25	Tue 2/9/25	56%	10%	45.75 days
472	472	Install Aluminum Louver	21 days	0 days?	NA	NA	Sat 6/9/25	Fri 26/9/25	0%	0%	19.25 days
473	**473**	**M&E works**	**80.75 days**	**76.75 days**	**Thu 14/8/25**	**Fri 24/10/25**	**Thu 14/8/25**	**Tue 28/10/25**	**13%**	**19%**	**14 days**
474	474	Conceal items installation	13.75 days	13.75 days	Thu 14/8/25	Wed 27/8/25	Thu 14/8/25	Wed 27/8/25	52%	75%	38.5 days
475	475	Wiring/Piping work, CDA installation	13.75 days	13.75 days	Mon 15/9/25	Sat 27/9/25	Thu 18/9/25	Wed 1/10/25	0%	0%	14 days
476	476	Final fix	13.75 days	13.75 days	Sat 27/9/25	Fri 10/10/25	Wed 1/10/25	Tue 14/10/25	0%	0%	14 days
477	477	T&C	13.75 days	13.75 days	Sat 11/10/25	Fri 24/10/25	Wed 15/10/25	Tue 28/10/25	0%	0%	14 days
478	478										
479	**479**	**External Works**	**43.75 days**	**60 days**	**Thu 11/9/25**	**Thu 6/11/25**	**Fri 26/9/25**	**Thu 6/11/25**	**0%**	**0%**	**14.25 days**
480	480	Driveway, Carpark, Loading/Unloading Bay, Drains / IC	30 days	41.25 days	Tue 16/9/25	Fri 24/10/25	Fri 26/9/25	Fri 24/10/25	0%	0%	14.25 days
481	481	Metal Canopy (Loading/Unloading Bay)	30 days	46.25 days	Thu 11/9/25	Fri 24/10/25	Fri 26/9/25	Fri 24/10/25	0%	0%	28 days



ELS SG2_MASTER PROGRAMME_R1D_20250820- Forecast Planning

ID	ID	Task Name	Duration	Baseline Duration	Baseline Start	Baseline Finish	Start	Finish	% Planned	% Complete	Total Slack
482	482	Bicycle Racks / Shelter	30 days	31.25 days	Thu 25/9/25	Fri 24/10/25	Fri 26/9/25	Fri 24/10/25	0%	0%	28 days
483	483	Landscape	40 days	41.25 days	Mon 29/9/25	Thu 6/11/25	Tue 30/9/25	Thu 6/11/25	0%	0%	14.25 days
484	484	Road Marking	12 days	11.25 days	Thu 23/10/25	Mon 3/11/25	Thu 23/10/25	Tue 4/11/25	0%	0%	17.25 days
485	485										
486	**486**	**New Lift Shaft - SG02**	**313.25 days**	**300.75 days**	**Fri 17/1/25**	**Sat 25/10/25**	**Fri 17/1/25**	**Thu 6/11/25**	**82%**	**82%**	**4.5 days**
487	487	AI Confirmation for Lift Contractor	1.25 days	1.25 days	Tue 11/2/25	Tue 11/2/25	Tue 11/2/25	Tue 11/2/25	100%	100%	0 days
488	488	Shopdrawings & Material Approval	60 days	60 days	Tue 11/2/25	Tue 8/4/25	Tue 11/2/25	Tue 8/4/25	100%	100%	0 days
489	489	Procurement, Fabrication & Delivery	156 days	90 days	Tue 8/4/25	Tue 1/7/25	Tue 8/4/25	Mon 1/9/25	92%	92%	8.5 days
490	**490**	**Construction - SG02**	**313.25 days**	**300.75 days**	**Fri 17/1/25**	**Sat 25/10/25**	**Fri 17/1/25**	**Thu 6/11/25**	**75%**	**75%**	**4.5 days**
491	491	Mobilisation	5 days	5 days	Fri 17/1/25	Wed 22/1/25	Fri 17/1/25	Wed 22/1/25	100%	100%	0 days
492	492	Conduct Ultimate Load Test (ULT) and report	30 days	30 days	Wed 22/1/25	Wed 19/2/25	Wed 22/1/25	Wed 19/2/25	100%	100%	0 days
493	493	Additional SI instruction received due to short pile for ULT	1.25 days	1.25 days	Thu 13/2/25	Thu 13/2/25	Thu 13/2/25	Thu 13/2/25	100%	100%	0 days
494	494	Additional SI Works Mobilisation	1.25 days	1.25 days	Sat 15/2/25	Sat 15/2/25	Sat 15/2/25	Sat 15/2/25	100%	100%	0 days
495	495	SI Works	3.75 days	3.75 days	Mon 17/2/25	Wed 19/2/25	Mon 17/2/25	Wed 19/2/25	100%	100%	0 days
496	496	Field Log Submission	1.25 days	1.25 days	Thu 20/2/25	Fri 21/2/25	Thu 20/2/25	Fri 21/2/25	100%	100%	0 days
497	497	AC Check (Assumed 7 days duration)	6.25 days	6.25 days	Thu 20/2/25	Wed 26/2/25	Thu 20/2/25	Wed 26/2/25	100%	100%	0 days
498	498	Amendment ST Submission (Assumed BCA Approval)	15 days	15 days	Thu 27/2/25	Wed 12/3/25	Thu 27/2/25	Wed 12/3/25	100%	100%	0 days
499	499	Install steel driven micropile (Original Schedule)	40 days	40 days	Wed 19/2/25	Fri 28/3/25	Wed 19/2/25	Fri 28/3/25	100%	100%	0 days
500	500	Install Piling (Pending Amendment ST Submission)	41.25 days	41.25 days	Wed 12/3/25	Fri 18/4/25	Wed 12/3/25	Fri 18/4/25	100%	100%	0 days
501	501	WLT (1) & PDA (3) & PIT (3)	15 days	15 days	Fri 18/4/25	Thu 1/5/25	Fri 18/4/25	Thu 1/5/25	100%	100%	0 days
502	502	Localised removal of affected existing slab	2.5 days	2.5 days	Thu 1/5/25	Sat 3/5/25	Thu 1/5/25	Sat 3/5/25	100%	100%	0 days
503	503	Install ERSS and excavation	55 days	40 days	Sat 3/5/25	Tue 10/6/25	Sat 3/5/25	Tue 24/6/25	100%	100%	0 days
504	504	Construct raft foundation	14 days	7.5 days	Tue 10/6/25	Tue 17/6/25	Tue 24/6/25	Mon 7/7/25	100%	100%	0 days
505	505	Construct retaining wall and backfill	24 days	30 days	Tue 17/6/25	Tue 15/7/25	Mon 7/7/25	Tue 29/7/25	100%	100%	0 days
506	506	Construct lift core wall	37 days	30 days	Tue 15/7/25	Tue 12/8/25	Tue 29/7/25	Tue 2/9/25	64%	64%	4.5 days
507	507	Lift core wall finishing check and rectification	2 days	5 days	Tue 12/8/25	Sat 16/8/25	Tue 2/9/25	Wed 3/9/25	0%	0%	4.5 days
508	508	Brick up for lift door jamb	2 days	5 days	Tue 12/8/25	Sat 16/8/25	Tue 2/9/25	Wed 3/9/25	0%	0%	4.5 days
509	509	Handover to lift contractor	1 day	1.25 days	Sat 16/8/25	Mon 18/8/25	Thu 4/9/25	Thu 4/9/25	0%	0%	4.5 days
510	510	Lift installation by lift contractor	60 days	60 days	Mon 18/8/25	Mon 13/10/25	Thu 4/9/25	Thu 30/10/25	0%	0%	4.5 days
511	511	Testing and comissioning	14 days	13.75 days	Mon 13/10/25	Sat 25/10/25	Fri 24/10/25	Thu 6/11/25	0%	0%	4.5 days
512	512										
513	**513**	**Authority inspection and clearance (Phase 1)**	**106 days**	**117 days**	**Wed 3/9/25**	**Sat 20/12/25**	**Mon 15/9/25**	**Sun 21/12/25**	**0%**	**0%**	**32.5 days**
514	514	PUB Sanitary clearance (by Consultants)	21 days	21.25 days	Sat 8/11/25	Fri 28/11/25	Tue 11/11/25	Sat 29/11/25	0%	0%	56.5 days
515	515	NEA clearance (by Consultants)	21 days	21.25 days	Sat 8/11/25	Fri 28/11/25	Mon 10/11/25	Sat 29/11/25	0%	0%	56.75 days
516	516	Power Turn On	1 day	1.25 days	Mon 15/9/25	Mon 15/9/25	Mon 15/9/25	Mon 15/9/25	0%	0%	137.5 days
517	517	Water Turn On	20 days	20 days	Wed 3/9/25	Mon 22/9/25	Thu 30/10/25	Tue 18/11/25	0%	0%	69.75 days
518	518	Combined T&C	10 days	22.5 days	Tue 28/10/25	Tue 18/11/25	Mon 10/11/25	Wed 19/11/25	0%	0%	1 day
519	519	Appointment of RI	1 day	1.25 days	Tue 21/10/25	Wed 22/10/25	Thu 23/10/25	Thu 23/10/25	0%	0%	96.25 days
520	520	Archi Pre-RI	14 days	13.75 days	Mon 3/11/25	Sat 15/11/25	Wed 5/11/25	Tue 18/11/25	0%	0%	69.5 days
521	521	M&E Pre-RI	14 days	13.75 days	Mon 3/11/25	Sat 15/11/25	Wed 5/11/25	Tue 18/11/25	0%	0%	69.75 days
522	522	Archi RI	14 days	15 days	Mon 17/11/25	Mon 1/12/25	Wed 19/11/25	Tue 2/12/25	0%	0%	1 day
523	523	M&E RI	14 days	15 days	Mon 17/11/25	Mon 1/12/25	Wed 19/11/25	Tue 2/12/25	0%	0%	1 day
524	524	Removal of Temporary Facilities / Construction Equipment	23 days	22.5 days	Mon 10/11/25	Mon 1/12/25	Tue 11/11/25	Tue 2/12/25	0%	0%	5 days
525	525	Application for TFP/ FSC and TFP obtainment	4 days	6.25 days	Sat 29/11/25	Fri 5/12/25	Tue 2/12/25	Fri 5/12/25	0%	0%	1 day
526	526	BCA TOP Inspection and Rectification works	14 days	15 days	Thu 4/12/25	Thu 18/12/25	Fri 5/12/25	Thu 18/12/25	0%	0%	1 day
527	527	Obtain Phase 1 TOP	3 days	2.5 days	Thu 18/12/25	Sun 21/12/25	Fri 19/12/25	Sun 21/12/25	0%	0%	0 days
528	528										
529	**529**	**Phase 2 - Construction (SG01 LIFT)**	**327 days**	**325.75 days**	**Sat 22/3/25**	**Tue 20/1/26**	**Sat 22/3/25**	**Tue 20/1/26**	**54%**	**54%**	**0 days**
530	530	Lift contractor onboard and lift design confirm	0 days	0 days	Mon 31/3/25	Mon 31/3/25	Mon 31/3/25	Mon 31/3/25	100%	100%	0 days
531	531	Shop drawing approval and procurement take place - SG01	60 days	60 days	Mon 31/3/25	Sat 24/5/25	Mon 31/3/25	Sat 24/5/25	100%	100%	0 days
532	532	Procurement and delivery	106 days	90 days	Mon 26/5/25	Sat 16/8/25	Mon 26/5/25	Mon 1/9/25	88%	88%	25.25 days
533	**533**	**New Lift Shaft - SG01**	**279.5 days**	**278.5 days**	**Sat 22/3/25**	**Mon 8/12/25**	**Sat 22/3/25**	**Mon 8/12/25**	**43%**	**43%**	**1.25 days**
534	534	Site setting up	1.25 days	1.25 days	Sat 22/3/25	Mon 24/3/25	Sat 22/3/25	Mon 24/3/25	100%	100%	0 days
535	535	Mobilisation	1.25 days	1.25 days	Sat 22/3/25	Mon 24/3/25	Sat 22/3/25	Mon 24/3/25	100%	100%	0 days
536	536	Demolition and surface preparation	1.25 days	1.25 days	Sat 22/3/25	Mon 24/3/25	Sat 22/3/25	Mon 24/3/25	100%	100%	0 days
537	537	Install ERSS / Demolition of existing planter/retaining wall / permit	20 days	20 days	Wed 2/4/25	Mon 21/4/25	Wed 2/4/25	Mon 21/4/25	100%	100%	0 days
538	538	Plate load test and report	3 days	10 days	Mon 21/4/25	Wed 30/4/25	Thu 15/5/25	Sat 17/5/25	100%	100%	0 days
539	539	Excavation works	32 days	13.75 days	Thu 1/5/25	Wed 14/5/25	Mon 19/5/25	Tue 17/6/25	100%	100%	0 days
540	540	Construct foundation	18 days	20 days	Wed 14/5/25	Mon 2/6/25	Wed 18/6/25	Fri 4/7/25	100%	100%	0 days
541	541	Construct liftpit and RC stump incl. waterproofing	21 days	28.75 days	Tue 3/6/25	Mon 30/6/25	Fri 4/7/25	Thu 24/7/25	100%	100%	0 days
542	542	Removal of ERSS & backfilling	7 days	6.25 days	Tue 1/7/25	Mon 7/7/25	Thu 24/7/25	Wed 30/7/25	100%	100%	0 days
543	543	Construct lift shaft	30 days	40 days	Mon 7/7/25	Wed 13/8/25	Wed 30/7/25	Wed 27/8/25	75%	75%	1.25 days
544	544	Install steel staircase structure	14 days	13.75 days	Wed 13/8/25	Tue 26/8/25	Wed 3/9/25	Tue 16/9/25	0%	0%	1.25 days
545	545	Reconstruct existing drain	5 days	5 days	Tue 26/8/25	Sat 30/8/25	Thu 11/9/25	Tue 16/9/25	0%	0%	1.25 days
546	546	Handover to lift contractor	1 day	1.25 days	Sat 30/8/25	Mon 1/9/25	Tue 23/9/25	Tue 23/9/25	0%	0%	1.25 days
547	547	Lift installation by lift contractor	60 days	70 days	Mon 1/9/25	Wed 5/11/25	Wed 24/9/25	Tue 18/11/25	0%	0%	1.25 days
548	548	Brick up for lift door jamb	13.75 days	13.75 days	Wed 5/11/25	Tue 18/11/25	Thu 6/11/25	Tue 18/11/25	0%	0%	1.25 days
549	549	Change Over for MEP Connection to SG01	1.25 days	1.25 days	Mon 1/9/25	Tue 2/9/25	Wed 24/9/25	Wed 24/9/25	0%	0%	16.25 days
550	550	Connection of Fire Alarm, Power Supply & ~~BMS~~ from SG01 EMSB	45 days	45 days	Mon 1/9/25	Mon 13/10/25	Wed 24/9/25	Tue 4/11/25	0%	0%	16.25 days
551	551	Testing and comissioning	21.25 days	21.25 days	Tue 18/11/25	Mon 8/12/25	Wed 19/11/25	Mon 8/12/25	0%	0%	1.25 days
552	**552**	**PHASE 2 - AUTHORITY INSPECTION AND CLEARANCE**	**47.5 days**	**47.25 days**	**Mon 8/12/25**	**Tue 20/1/26**	**Tue 9/12/25**	**Tue 20/1/26**	**0%**	**0%**	**0 days**
553	553	Archi RI	13.75 days	13.75 days	Mon 8/12/25	Sat 20/12/25	Tue 9/12/25	Sat 20/12/25	0%	0%	1.25 days
554	554	M&E RI	13.75 days	13.75 days	Mon 8/12/25	Sat 20/12/25	Tue 9/12/25	Sat 20/12/25	0%	0%	1.25 days
555	555	Application for TFP/ FSC and TFP obtainment	13.75 days	13.75 days	Sat 20/12/25	Fri 2/1/26	Sun 21/12/25	Thu 1/1/26	0%	0%	1.25 days
556	556	BCA TOP Inspection and Comments (if any)	13.75 days	13.75 days	Sat 3/1/26	Fri 16/1/26	Sat 3/1/26	Thu 15/1/26	0%	0%	1.25 days
557	557	Obtain Phase 2 TOP	3.75 days	3.75 days	Sat 17/1/26	Tue 20/1/26	Sat 17/1/26	Tue 20/1/26	0%	0%	0 days



SECTION 4

PROGRAMME

4.2 Authority Submission Status for M&E Services – 1st Submission

Service	Authority	Original Submission		Comments/Resubmission						Approval/
		Scheduled	Actual	Comment	Resubmit	Comment	Resubmit	Comment	Resubmit	Clearance
Application for Electricity Supply	SP Services Ltd	4 Oct 2023	4 Oct2023		23 Oct 2023					7 Jul 2024
Power Supply Substation	SP PowerGrid Ltd									
Sanitary Installation	PUB Water Reclamation (Network) Dept	4 Aug 2025	4 Aug 2025							11 Aug 2025
Domestic Water Supply	PUB (Water Supply) Network Dept	28 Mar 2024	28 Mar 2024	7 Jul 2024	5 Aug 2025	10 Sep 2025	14 Oct 2025			16 Nov 2025
Gas Supply Installation	City Gas Pte Ltd									
Air Conditioning & Ventilation Inst.	FSSD	19 Dec 2024	19 Dec 2024							5 Jan 2025
Fire Fighting & Alarm Installation	FSSD	19 Dec 2024	19 Dec 2024							1 Jan 2025
Emergency Voice Communication	FSSD	21 Jan 2025	21 Jan 2025							26 Jan 2025
Telecommunication Facilities	TFCC									
	NEA (Pollution Control)									

SECTION 4

PROGRAMME

4.3 Authority Submission Status for M&E Services (Amendments) – 2nd Submission

Service	Authority	Original Submission		Comments/Resubmission						Approval/
		Scheduled	Actual	Comment	Resubmit	Comment	Resubmit	Comment	Resubmit	Clearance
Application for Electricity Supply	SP Services Ltd									
Power Supply Substation	SP PowerGrid Ltd									
Sanitary Installation	PUB Water Reclamation (Network) Dept	20 Nov 2025	20 Nov 2025	9 Dec 2025	9 Dec 2025	12 Jan 2026	19 Jan2026	1 Feb 2026	3 Feb 2026	22 Feb 2026
Domestic Water Supply	PUB (Water Supply) Network Dept	23 Nov 2025	23 Nov 2025							22 Dec 2025
Gas Supply Installation	City Gas Pte Ltd									
Air Conditioning & Ventilation Inst.	FSSD									
Fire Fighting & Alarm Installation	FSSD									
Emergency Voice Communication	FSSD									
Telephone Installation	TFCC									
Broadband Co-axial Cable System (BCS)	Starhub Cable Vision									
Fuel Storage	FSSD									
	NEA (Pollution Control)									

SECTION 5

PROJECT RECORDS

5.1 List of Internal Files

Standard Files

File Ref:		File Ref:	
- Owner		- Architect	
- Authorities	✓	- Other Consultants	
- Contractors		- CC	✓
- CF	✓	- PQP/QSP	✓

Project Files to be initiated by PM as and when required

File Ref:		File Ref:		File Ref:	
- EC/MC	✓				

(✓*where applicable*)

SECTION 5

PROJECT RECORDS

5.2 Filing of Drawings

The following team members shall take charge of filing of drawings, stamping "SUPERSEDED" drawings, etc.

Description	Team Member
Incoming Architectural Floor Plans	Soft copy saved in Teams
M&E Drawings - Air Conditioning & Mechanical Ventilation Installation - Fire Fighting & Alarm Installation - Plumbing & Sanitary Installation - Electrical Installation - Lift Installation - Process Utilities Installation	
Other Drawings	

SECTION 6

INTERFACING

6.1 Method of Interface

Description	Method of Interface	
Client's Review & Approval	M&E Design Report	✓
	Pre-planned meeting at fixed intervals	✓
	Telefax, letter and telephone	
	Email	✓
Interface With External Design Teams	M&E Design Report	✓
	Pre-planned meeting at fixed intervals	✓
	Telefax, letter and telephone	
	Email	✓
Interface Between Internal Design Teams	Telephone	
	Email	✓
	Internal Project Team Meeting	✓
	Circulation of Information	✓

(✓*where applicable*)

SECTION 6

INTERFACING

6.2 Internal Design Interface – NOT APPLICABLE

Item No.	Description*	Required From	Required By	Date Required	Remarks

** Information required by INTERNAL DESIGN TEAM MEMBERS*

SECTION 6

INTERFACING

6.3 Circulation of Documents to External Parties

	Code: A - Approval Required C - For Comments I - For Information Only	Client/ Client Rep.	Client's Project Manager	Architect	Structural Engineer	Quantity Surveyor	
1.	**Letters/Fax:**						
a.	Project Design	A	-	A	I	I	
b.	Project Administration	A	-	C	I	I	
c.	Project Cost Estimate/Contract Cost	-	-	-	-	-	
2.	**Drawings**						
a.	Outline Design Drgs.	A	-	A	C	-	
b.	Sketch Design Drgs.	A	-	A	C	-	
c.	Final Design Drgs.	A	-	A	C	-	
d.	Shop Drawings	I	-	A/C	C	-	
e.	As Built Drgs.	I	-	I	I	-	
3.	**Other Document**						
a.	Specification	A	-	I	I	I	
b.	Tender Document	A	-	I	I	I	
c.	Tender Evaluation Report	A	-	I	I	I	
d.	Design Report	C	-	I	-	-	
e.	Progress Report	-	-	-	-	-	
f.	Financial Report	-	-	-	-	-	
g.	Minutes of Meeting	I	-	I	I	-	
h.	Inspection Report	I	-	I	-	-	
i.	Testing & Comm. Report	I	-	I	-	-	
j.	O & M Manual	I	-	I	-	-	

SECTION 7

WORK AUTHORISATION

Activity \ Authorised Signatories	PD	QP	PM	AE	SS
General Correspondences with Client	✓	✓	✓		
General Correspondences with Other Consultants			✓	✓	
M&E Cost Estimate Report					
M&E Design Report	✓	✓			
Check Prints		✓			
Tender Drawing Approval	✓	✓			
Tender Specification Approval	✓	✓			
List of Tenderers	✓	✓			
Tender Questionnaires	✓	✓			
Tender Reports	✓	✓			
Draft Letter of Award			✓		
Review of Contractor's Shop Drawing			✓	✓	
Review of Contractor's Technical Submittal			✓	✓	
Review of Contractor's Sample Submittal			✓	✓	
Contractor's Request for Deviation	✓	✓	✓		
Progress Payment Valuation Form					
Final Account Valuation					
Draft Variation Order	✓	✓			
Engineer/Architect's Instruction/Direction	✓	✓			
Site Instruction/Direction	✓		✓		
Correspondence/Submission to Authorities	✓	✓	✓		

(✓*where authorised*)

Key to abbreviations:

PD : Project Director
QP : Qualified Person
PM : Project Manager/Assistant Project Manager
AE : Assistant Engineer
SS : ACEPL Site Staff

SECTION 8

DESIGN INPUT & METHODOLOGY

8.1 List of Client's Standards, Reference Documents or Brief – NOT APPLICABLE

ITEM	KEPT BY

8.2 List of Applicable Code of Practice and Regulations

Services	Title of Code of Practice/Standard
Electrical Wiring	SS 638 (formerly CP 5)
Lightning Protection System	SS 555 : 2018
Emergency Voice Communication System	SS 546 :2022
Telecommunication Facilities	Code of Info-Communication Facilities for Buildings
Air Conditioning & Ventilation Installation	SS 553 : 2016
Lift & Escalator Installation	SS 550 : 2020
Sprinkler System	SS CP 52 : 2004
Wet Riser System	NA
Automatic Fire Alarm System	SS 645 : 2019
Sanitary System	Code of Practice on Sewerage & Sanitary Works
Plumbing System	SS 636 : 2018
Town Gas/LPG Supply System	SS 608 : 2015
Boiler and Steam Supply System	NA
Mechanical Smoke Control System	NA

SECTION 8

DESIGN INPUT & METHODOLOGY

8.3 List of Design Guide or Handbook Used

Carrier's Handbook of Air Conditioning System Design

ASHRAE Handbooks

Institute of Plumbing's Plumbing Services Design Guide

8.4 List of Pre-Consultation and Waiver

S/N	Description	Date of Application	Date of Approval	Remarks
1	To allow top level of existing ICs at driveway to be lower than existing manhole Consultation Ref No. ES20231212-97545	12/12/2023	29/12/2023	Not allowed
2	To allow NEWater pipe highest fitting above 15m AMSL Consultation Ref No. Subject heading: New NEWater intake for 21 Changi North Rise	17/10/2023	4 Dec 2023	Approved
3	*Clause number in Code of Practice for (Services) which require clarification or waiver. Consultation Ref No. Waiver Ref. No.			

8.5 List of Applicable Quality System Procedures

Alpha Consulting Engineers Pte Ltd's Quality Management System Procedures

Section	Title	✓ where applicable
M1	Preparation of Consultancy Offer	✓
M2	Project Commissioning and Service Agreement	✓
M3	Design Control	✓
M4	Design Change Control	✓
M5	Tender Process and Evaluation	✓
M6	Authority Submission	✓
M7	Construction Process Control	✓
M8	Testing and Commissioning	✓
S1	Document Control	✓
S2	Documentation of Quality & Environmental Management System Procedure	✓
S3	Documentation of Project Quality Plan	✓
S4	Specification Control	✓
S5	Library Control	
S6	Archive Control	✓
S7	Filing Control	✓
S8	Drawing Control	✓
S9	Administration Control	✓
S10	Purchasing Control	
S11	Training Control	
S12	Computer Control	
S13	Non-Conformity and Corrective Action Procedures	✓
S14	Quality & Environmental System Audit	✓
S15	Feedback Reporting	✓
S16	Clients Feedback	✓
S17	Management Review	✓
S18	Risk Identification, Assessment & Control	✓

8.6 List of Software Used For Design/Analysis

DESCRIPTION/ PACKAGE NAME	VERSION	SUPPLIER/ SOURCE	PURPOSE	
Cophos	3.31	Zumtobel	Lighting design	
Carrier E20-II	6.1	Carrier	Programme for determination of heat load, duct size and its losses, etc.	✓
Gensize 2	2.1	Onan	Generator sizing	
Hyena	4.00.1	ACADS-BSG	Fire Sprinkler & Hydrant Analysis	
Dialux	4.11	Freeware	Lighting design	✓
Lift Traffic	7.18	Elevate	Lift traffic calculation	✓
Fault Level Calculation	11.11	ETAP	Calculation of fault level and voltage drop	

(✓*where applicable*)

SECTION 9

ENVIRONMENTAL CONSIDERATIONS

9.1 Sustainable Design Features/Criteria

Item	Remarks
Green Mark criteria	Gold Plus
Green Design Features	–

9.2 Site PPE Requirement

The necessary Personal Protective Equipment (detailed below) shall be provided by the main contractor/Company in accordance to the site EHS requirements prior to the site monitoring.

PPE	✓ where applicable
Safety Helmet	✓
Safety Shoes	✓
Eye Protection	–
Ear Protection	–
Safety Harness / Belt	–
Others:	–

9.3 Site Emergency Preparedness

Site staff shall comply with the site emergency preparedness and response procedure, established by the main contractor/owner, which shall include the following details.

Items	✓ where applicable
Evacuation Route	✓
Emergency Exit	✓
Assembly Point	✓
Emergency Contact List / Person	✓
Alarm system / methods	✓

SECTION 9

ENVIRONMENTAL CONSIDERATIONS

9.4 Reporting of Environmental Non-conformances

When encountering environmental non-conformances, Site Staff shall be responsible to feedback to the main contractor.

9.5 List of Applicable Environmental Management System Procedures

Alpha Consulting Engineers Pte Ltd's Environmental Management System Procedures

Section	Title	✓ where applicable
E1	Aspect / Impact Identification, Risk Assessment & Risk Control	✓
E2	Identifying Legal & Other Requirements	✓
E3	Objectives, Targets & Programmes	✓
E4	Communication	✓
E5	Emergency Preparedness & Response	✓
E6	Monitoring & Measurement	✓
E7	Control of Air & Noise Pollution	✓
E8	Management of Wastes	✓

SECTION 10

CLIENT'S REQUIREMENTS

10.1 List of Output Required by Client:

Item	* Remarks
M&E Design Report	A
M&E Cost Estimate Report	NA
Pre-Qualification of Tenderers	NA
Tender Documents	A
Tender Report	A
Payment Valuation for QS	NA
Certificates of Supervision for TOP/CSC	I

* *Remarks*

A: for approval *C: for comment* *I: for Information* *Re: for record*

Other purposes and for action: please specify.

10.2 Specific Procedures Required By Client *(If applicable)*

NOT APPLICABLE

SECTION 11

LIST OF SUB-JOB

11.1 List of Sub-Job Numbers

Sub Job No	Description	Allocation Details
6344-601	Changes to Metals Production in Apr25	