Alpha
Consulting Engineers Pte Ltd

PROJECT QUALITY PLAN

PROPOSED MIXED-USED DEVELOPMENT COMPRISING 2 BLOCKS OF 19-STOREY APARTMENTS (TOTAL: 367 UNITS) AND COMMUNAL FACILITIES, 1 BLOCK OF 13-STOREY OFFICE AND COMMERCIAL AT BASEMENT 1, 1ST & 2ND STOREY WITH 3 BASEMENT CARPARKS ON LOT 00220P TS19 AT 1 SOPHIA ROAD (ROCHOR PLANNING AREA)

For

SOPHIA RESIDENTIAL PTE LTD &
SOPHIA COMMERCIAL PTE LTD

Copy No.	1

Prepared By: Chong Lai Meng / Chong Zhi Pang

Authorised By: Goh Soon Huat

Date: 4 December 2023

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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	6319	4 December 2023

1.2 Revision Record

Revision	Date of Issue	Section Reference	Page(s)	Remarks
0	14 November 2022	1 to 11	29	+ 2 pages (Section 4.1 – Overall Construction Programme)
1	4 December 2023	1 to 11	30	+ 2 pages (Section 4.1 – Overall Construction Programme)

SECTION 2

PROJECT INFORMATION

2.1 Project Description

Type of Development	Mixed Development (Commercial & Residential)

Statistics of Development	
Site Area, m²	7,118.00
Nett Floor Area, m²	-
Gross Floor Area, m²	56,167.15
Covered Carpark, m²	Approx. 14,000
No. of Covered Carpark Lots	269
No. of Apartments/Houses	367
No. of Beds (for Hospitals)	-
No. of Guestroom (for Hotels)	-
No. of Blocks / No. of Storeys	2 blocks of 19-storey residential tower and 1 block of 13-storey office tower above 2-storey podium
Green Mark Category	Goldplus
No. of Phases	One

2.2 Project Cost

M&E Services Cost Plan (S$ x 1M)										
Services	EI	ACVI	LEI	FFAI	PSI	SPFI				
Estimate	14.7	17.6	6.2	4.9	7.0	0.7				
Awarded										

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

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	X
Tender Documentation	✓
Tender Evaluation	✓
Contract Supervision	X
M&E Costing	X
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	✓		
SECURITY	✓	BST CARPARK EXH	✓	DRY RISER	✓	LPG GAS			
TELELIFT		HEATING				MEDICAL GAS			
DATA COMM.									
FLUSHFLOOR TRUNKING									

(✓*where applicable*)

2.3.3 Submission to Relevant Authorities by Others

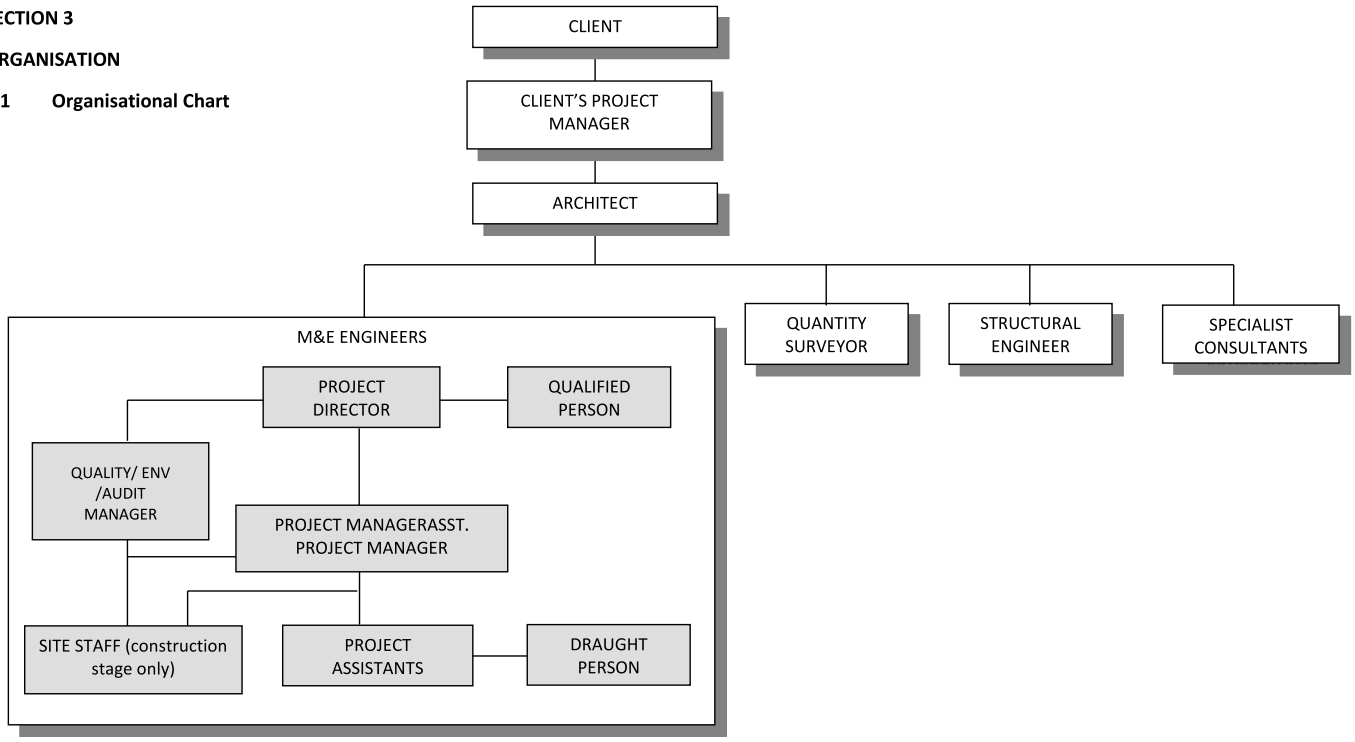
EJECTOR & DIVERTER	✓	SUMP PUMP		FUEL OIL TANK	✓	LIFT & ESCALATOR	✓	PRESSURE VESSEL		HOISTS		FOAM	

(✓*where applicable*)

SECTION 3

ORGANISATION

3.1 Organisational Chart



SECTION 3

ORGANISATION

3.2 ACEPL's Project Team Member

TITLE		NAME
Project Director		Goh Soon Huat (GSH)
Qualified Person	Mechanical	Choong Choon Guan (CCG)
	Electrical	Loh Fook Yuen (LFY)
Project Manager		Chong Lai Meng (CLM)
Assistant Project Manager		Nil
Project Assistant (Mech)		Chong Zhi Pang (CZP)
Project Assistant (Elect)		Nil
Draughtsperson		Common Pool
Resident Engineer (M&E)		Nil
Assistant Resident Engineer (M&E)		Nil
Clerk-of-Work (M&E)		Nil

3.3 Client/Client's Representatives

Client:- Sophia Residential Pte Ltd & Sophia Commercial Pte Ltd

Address:- 171 Chin Swee Road
Singapore 169877

Tel:-

Fax:-

Client's Representatives:-

Name of Company	Contact Person	Contact
Sophia Residential Pte Ltd & Sophia Commercial Pte Ltd	Name: Steven Leow (CEL) Position: General Manager	Tel: - Fax: - Handphone: 9109 0383 Email: steven.leow@chipengseng.com.sg
Sophia Residential Pte Ltd & Sophia Commercial Pte Ltd	Name: Eddie Ng (CEL) Position: Senior Project Manager	Tel: - Fax: - Handphone: 9780 8969 Email: eddie.ng@chipengseng.com.sg
Sophia Residential Pte Ltd & Sophia Commercial Pte Ltd	Name: Henry Tan (Singhaiyi) Position: Project Manager	Tel: - Fax: - Handphone: 9247 5474 Email: henry.tan@singhaiyi.com
	Name: Position:	Tel: Fax: Handphone: Email:
	Name: Position:	Tel: Fax: Handphone: Email:

3.4 **Other Consultants** (Local)

Function / Name of Company	Contact Person	Contact
Concept Architect Studio Milou Singapore Pte Ltd	Name: Jean Francois Milou Position:	Tel: Fax: Handphone: Email:
Architect ADDP Architects LLP	Name: Raymond Yap Position: Senior Principal Architect	Tel: - Fax: - Handphone: 9682 0356 Email: raymond@addp.sg
Architect ADDP Architects LLP	Name: Michelle Xiao Position:	Tel: 6220 2153 Fax: 6325 4918 Handphone: - Email: peacecentre@addp-doprojects.com
Architect ADDP Architects LLP	Name: Kelvin Karel Position:	Tel: 6220 2153 Fax: 6325 4918 Handphone: - Email: peacecentre@addp-doprojects.com
Quantity Surveyor Rider Levett Bucknall LLP	Name: Nancy Ang Position: Associate	Tel: 6339 1500 Fax: 6339 1521 Handphone: - Email: Nancy.ang@sg.rlb.com
Structural Engineer KTP Consultants Pte Ltd	Name: Marc Gourde Position: Director	Tel: - Fax: - Handphone: 9144 3530 Email: marc.gourde@surbanajurong.com
Structural Engineer KTP Consultants Pte Ltd	Name: Hoa Nguyen Thanh Position: -	Tel: - Fax: - Handphone: - Email: nguyenthanh.HOA@ktpworld.com

3.4 **Other Consultants** (Local)

Function / Name of Company	Contact Person	Contact
Interior Designer Nil	Name: Position:	Tel: Fax: Handphone: Email:
Lighting Consultant The Lightbox Pte Ltd	Name: Alan Ng Position: Project Director	Tel: 6294 6803 Fax: 6324 0868 Handphone: - Email: clng@lightboxlighting.com
Acoustic Consultant Nil	Name: Position:	Tel: Fax: Handphone: Email:
Landscape Consultant Tinderbox Landscape Studio Pte Ltd	Name: Minoru Position: Associate	Tel: 6255 6024 Fax: - Handphone: - Email: project@tinderbox.com.sg
Fire Safety Engineer SHEVS IFT Consultants Pte Ltd	Name: Wong Yin Ying Position: Senior Fire Engineer	Tel: 6812 1399 Fax: 6812 1390 Handphone: 8379 2982 Email: yinying@shevs-services.com
Green Mark Consultant Building System and Diagnostics Pte Ltd	Name: Loh Sok Fong Position: Senior Engineer	Tel: 6560 0702 Fax: - Handphone: 9645 3831 Email: sokfong.loh@bsd.com.sg
Green Mark Consultant Building System and Diagnostics Pte Ltd	Name: Sylvia Tan Position: Executive Engineer	Tel: 6560 0702 Fax: - Handphone: 9002 4662 Email: sylvia.tan@bsd.com.sg

3.4 Other Consultants (Overseas) – Not Applicable

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

3.5 Contractors/Sub-Contractors

Function / Name of Company	Contract *	Contact Person	Contact
Main Contractor TBA		Name: Position:	Tel: Fax: Handphone: Email:
Air Conditioning & Ventilation Installation Sub-Contractor TBA		Name: Position:	Tel: Fax: Handphone: Email:
Plumbing & Sanitary Installation Sub-Contractor TBA		Name: Position:	Tel: Fax: Handphone: Email:
Electrical Installation Sub-Contractor TBA		Name: Position:	Tel: Fax: Handphone: Email:
Lift & Escalator Installation Sub-Contractor TBA		Name: Position:	Tel: Fax: Handphone: Email:
Fire Fighting & Alarm Installation Sub-Contractor TBA		Name: Position:	Tel: Fax: Handphone: Email:
Swimming Pool Filtration Plant Installation Sub-Contractor TBA		Name: Position:	Tel: Fax: Handphone: Email:
		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	Goh Li Qing	6916 8679 / liqing@spgroup.com.sg
(b) Diversion	Tan Juay Hwee	6916 8385 / tanhuayhwee@spgroup.com.sg
SP Services:		
(a) Customer Supply	Melvin Ng	6916 5719 / melvinncl1@spgroup.com.sg
(b) Installation		
(c) Meter Section		
(d) Road Lighting		
TFCC:		
(a) SCV		
(b) SingTel		
(c) IDA		
BCA:		
(a) Building Plan		
(b) Green Mark		
FSSD:		
(a) Building Plan		
(b) M&E Plan		
PUB (Water Supply) Network Dept:		
(a) Water Conservation		
(b) Plumbing Plan		
(c) Diversion		
(d) NEWater		
PUB Water Reclamation (Network) Dept:		
(a) Building Plan/CBPU		
(b) M&E Plan		
(c) Diversion		
City Gas Pte Ltd:		
(a) Planning/Submission		
(b) Installation/Inspection		
PowerGas Pte Ltd		
(a) Diversion	Johan Bin Jufri	9692 3358 / johan@spgroup.com.sg
NEA (Pollution Control)		
(a) Planning/Submission		
(b) Inspection		

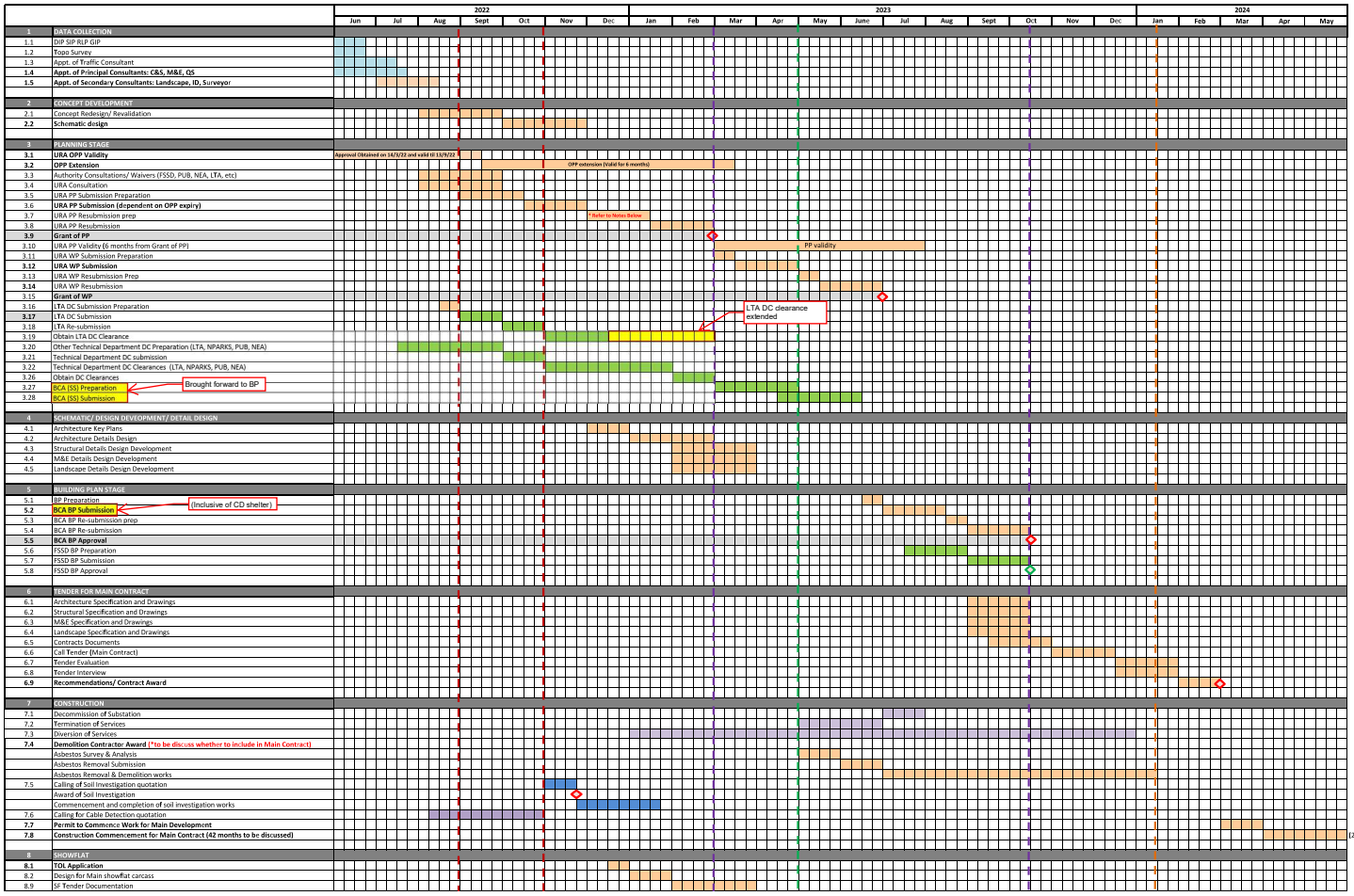
SECTION 4

PROGRAMME

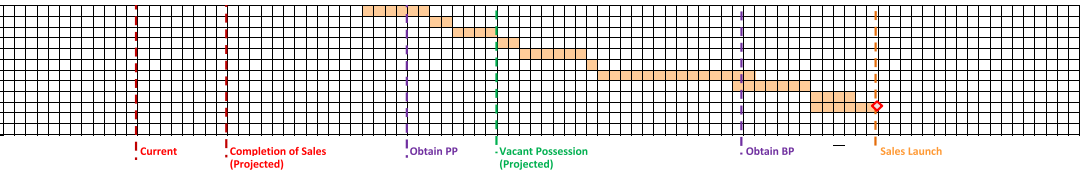
4.1 Overall Programme (see attached)

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																									

1 Sophia Road (Preliminary Master Program)



8.1	Design pitch presentation from the showflat ID
8.11	**Award of showflat ID**
8.12	**Call Tender (Showflat)**
8.13	Tender Evaluation (Showflat)
8.14	Tender Interview (Showflat)
8.15	**Contract Award (Showflat)**
8.16	Construction (Showflat Arch)
8.17	Construction (Showflat ID)
8.19	Share Value Approval
8.2	Authority Clearances (COH/FSSD)
8.21	**Sales Launch**



Note:

- **Additional 3 week buffer in anticipation for clearance for the authorities technical department's requirement i.e. LTA and PUB etc**

Legend:

- **Activities Completed**
- **Activities input from CEL**
- **Activities input from Alpha**
- **Activities input from KTP**
- **Activities input from ADDP**

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	Dec 2022	25 Apr 2023	18 May 2023	10 Nov 2023					
Power Supply Substation	SP PowerGrid Ltd	May 2023	6 Nov 2023							
Metering Layout	SP Services Ltd	Jun 2025								
Sanitary Installation	PUB Water Reclamation (Network) Dept	15 Mar 2024								
Domestic Water Supply	PUB (Water Supply) Network Dept	15 Mar 2024								
Gas Supply Installation	City Gas Pte Ltd	15 May 2024								
Air Conditioning & Ventilation Inst.	FSSD	15 Jul 2024								
Fire Fighting & Alarm Installation	FSSD	15 Jun 2024								
Telephone Installation	TFCC	15 Jun 2024								
Broadband Co-axial Cable System (BCS)	Starhub Cable Vision	Not required								
Fuel Storage	FSSD	By supplier								
	NEA (Pollution Control)									

SECTION 4

PROGRAMME

4.3 Authority Submission Status for M&E Services (Amendments) - 2nd Submission – Not Applicable

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									
Metering Layout	SP Services Ltd									
Sanitary Installation	PUB Water Reclamation (Network) Dept									
Domestic Water Supply	PUB (Water Supply) Network Dept									
Gas Supply Installation	City Gas Pte Ltd									
Air Conditioning & Ventilation Inst.	FSSD									
Fire Fighting & Alarm Installation	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: 6319		File Ref:		File Ref:	
General	✓				

(✓*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	All in softcopy in Teams
Incoming Architectural Sketches/Details	All in softcopy in Teams
Incoming Structural Drawings	All in softcopy in Teams
M&E Drawings - Electrical Installation	All in softcopy in Teams
- Lift & Escalator Installation	All in softcopy in Teams
- Air Conditioning & Ventilation Installation	All in softcopy in Teams
- Fire Fighting & Alarm Installation	All in softcopy in Teams
- Plumbing & Sanitary Installation	All in softcopy in Teams
- Swimming Pool & Filtration Installation	All in softcopy in Teams
Other Drawings	Nil

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	
	Teams	✓

(✓*where applicable*)

SECTION 6

INTERFACING

6.2 Internal Design Interface

Item No.	Description*	Required From	Required By	Date Required	Remarks
1	Mechanical Schematic Design	CZP	CLM	3 Nov 2023	
2	Electrical Schematic Design	GSH	GSH	3 Nov 2023	
3	Mechanical Detail Design	CZP	CLM	3 Nov 2023	
4	Electrical Detail Design	GSH	GSH	3 Nov 2023	
5	Mechanical Tender Document	CLM	CLM	3 Nov 2023	
6	Electrical Tender Document	GSH	GSH	3 Nov 2023	

** 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	I	I	-	-	
b.	Project Administration						
c.	Project Cost Estimate/Contract Cost	A	I	I	-	I	
2.	**Drawings**						
a.	Outline Design Drgs.	A	I	C	I	I	
b.	Sketch Design Drgs.	A	I	C	I	I	
c.	Final Design Drgs.	A	I	C	I	I	
d.	Shop Drawings	I	I	A	-	-	
e.	As Built Drgs.	I	I	I	-	-	
3.	**Other Document**						
a.	Specification	A	I	I	I	I	
b.	Tender Document	A	I	I	I	I	
c.	Tender Evaluation Report	A	I	I	I	I	
d.	Design Report	A	I	I	-	-	
e.	Progress Report	-	-	-	-	-	
f.	Financial Report	-	-	-	-	-	
g.	Minutes of Meeting	A	I	I	-	-	
h.	Inspection Report	I	I	I	-	-	
i.	Testing & Comm. Report	I	I	I	-	-	
j.	O & M Manual	I	I	I	-	-	

*Note: Applicable only, if the client engaged a Project Manager.

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 : 2018
Lightning Protection System	SS 555 : 2018
Earthing	SS 546 : 2009
Standby Generator System	COPIF 2018 and the COPIF Guidelines
Emergency Voice Communication System	SS 546 : 2009
Air Conditioning & Ventilation Installation	SS 553 : 2016
Lift Installation	SS 550 : 2020
Sprinkler System	CP 52 : 2004
Dry/Wet Riser System	SS 575 : 2012
Automatic Fire Alarm System	SS 645 : 2019
Sanitary System	Code of Practice on Sewerage & Sanitary Works (2nd edition, Jan 2019)
Plumbing System	SS 636 : 2018
Town Gas/LPG Supply System	SS 608 : 2015
Boiler and Steam Supply System	N.A.
Mechanical Smoke Control System	N.A.

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 – Not Applicable

S/N	Description	Date of Application	Date of Approval	Remarks
1	*Clause number in Code of Practice for (Services) which require clarification or waiver. Consultation Ref No. Waiver Ref. No.			
2	*Clause number in Code of Practice for (Services) which require clarification or waiver. Consultation Ref No. Waiver Ref. No.			
3	*Clause number in Code of Practice for (Services) which require clarification or waiver. Consultation Ref No. Waiver Ref. No.			

*To fill in actual information

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	
QE1	Quality & Environmental System Audit	
QE2	Feedback Reporting	
QE3	Clients Feedback	
QE4	Management Review	

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	3.21	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	Goldplus
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	I
Pre-Qualification of Tenderers	N.A.
Tender Documents	C
Tender Report	I
Payment Valuation for QS	N.A.
Certificates of Supervision for TOP/CSC	Re

** 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)*

SECTION 11

LIST OF SUB-JOB

11.1 List of Sub-Job Numbers

Sub Job No	Description	Allocation Details