

Annex B - Schedule of Rates and Quantities under Schedule 5 - Price

(Must be submitted in the envelope of the Price Proposal)

**Fitting Out Works to Eye Centre on
The First Floor of CUHK Medical Centre
Schedule of Rates and Quantities**

Ref	Item	Quantity	Unit	Rate	Total
	<p style="text-align: center;"><u>Schedule No. 1</u> <u>Specification -Preliminaries</u></p> <p>[The Tenderer is required to provide detailed cost breakdown for the works for tender assessment and post-contract valuation of the works.]</p>				
Carried to Summary of Tender					

Fitting Out Works to Eye Centre on
The First Floor of CUHK Medical Centre
Schedule of Rates and Quantities

Schedule No. 1 - Specification -Preliminaries

1. Contract title and parties

- Contract: Fitting Out Works to Eye Centre On the First Floor Of CUHK Medical Centre
- Employer: CUHK Medical Centre Limited, Address: 12/F, CUHK Medical Centre, 9 Chak Cheung Street, Shatin, New Territories, Hong Kong.

2. Scope and contract documents

- The Contractor shall supply labour, materials, plant, and temporary works necessary to carry out and complete the Works described in the Contract Documents.
- Contract Documents, in order of precedence: (1) Work Scope; (2) Special Conditions of Contract; (3) Specification; (4) Schedule of Rates; (5) Summary of Tender; (6) Schedule of Drawings.

3. Contract period and Defects Liability Period

- The whole of the Works shall be completed within **One hundred Twenty (120) days** from and including the date of Commencement of the Works.
- Defects Liability Period: **Twelve (12) months** after Substantial Completion.

4. Working hours

- The normal working hours shall be from 07:00 to 19:00 hours daily, Monday to Sundays and Public Holidays.
- All noisy works especially the demolition works is permitted from 07:00 – 12:00 am daily Monday to Sunday. The noisy works should stop immediately if complain from departmental staffs and resume with Building Management’s permission.
- Any overrun of noisy works shall be only permitted with necessary authorization. Advance notice for overrun of noisy works must be given to the Architect and the Building Management as early as possible.

5. Site boundaries and site survey

- Site boundaries shown on drawing no. 2236D/OP/0010. Contractor to verify on site and notify Employer of discrepancies before starting works.
- Contractor provides site survey report to identify existing site condition/environment for coming renovation works

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Schedule No. 1 - Specification -Preliminaries

6. Temporary works, facilities and security

- Contractor provides and maintains temporary works, scaffolding, hoarding, sanitary facilities, drinking water. Costs included in preliminaries unless otherwise stated.
- Contractor responsible for site security and safe storage of materials; keys to be surrendered on termination.

7. Site safety, statutory compliance and insurance

- Contractor shall comply with all Hong Kong ordinances (including but not limited to Factories and Industrial Undertakings Ordinance, Building Ordinance, Construction Sites (Safety) Regulations), codes of practice and relevant industry standards.
- Contractor shall obtain and maintain joint name insurance: (a) Employers' Liability / Workmen's Compensation; (b) Contractor All Risks, HK\$ 15 million sums insured. Certificates to be delivered prior to commencement.

8. Environmental controls and waste management

- Contractor to control dust, noise, vibration and water runoff and comply with the Waste Disposal Ordinance and relevant government guidance.
- Removal and disposal of construction waste shall be by licensed contractors, proof of disposal to be provided upon request.

9. Materials, samples and testing

- All materials shall be new and of the quality specified or approved equivalents. Contractor to submit samples and product data for Employer's approval before procurement.
- Contractor shall arrange independent testing as specified; costs included in the Contract unless specified otherwise.

10. Drawings, shop drawings and instruction procedures

- Contractor shall prepare and submit shop drawings, working drawings, and setting-out details for approval within 7 days of instruction. No fabrication or ordering shall proceed until approved drawings are returned.

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Schedule No. 1 - Specification -Preliminaries

11. Measurement, valuation and payment

- Valuation of work shall follow the Schedule of Rates and Conditions of Contract. Interim payments monthly on certified value less retention of 5%. Final account to be certified after Defects Liability Period and satisfactory completion of making good all defects .

12. Variations and instructions

- Employer or Representative may issue written instructions for variations. Variations valued by agreed rates or, if none, fair valuation by the Project Architect.

13. Delays, liquidated damages and extensions of time

- Contractor to notify claims for delay within 7 days of occurrence. Extensions of time considered for specified causes. Liquidated damages HK\$80,000 per day for late completion up to a maximum of 10% of contract sum.

14. Defects liability and final handover

- Defects Liability Period 12 months from Substantial Completion. Contractor to remedy defects at no cost. Practical Completion certificate issued on satisfactory completion of tests and snagging.

15. Utilities, connections and site services

- Employer will provide water, electricity, drainage as available on site. Contractor to be responsible for safe temporary connections.

16. Site records and as-built drawings

- Contractor to keep daily site diary, labour and plant records, and to prepare and hand over as-built drawings, operation manuals, and warranties at Substantial Completion.

17. Health requirements (COVID/other)

- Contractor to follow any public health directives and Employer site rules relating to communicable diseases; non-compliance may lead to removal of personnel.

18. Security of payment and statutory notices

- Parties must comply with the Construction Industry Security of Payment Ordinance (Cap. 632) procedures for interim claims and responses where applicable to the contract type.

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The First Floor of CUHK Medical Centre
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Schedule No. 1 - Specification -Preliminaries

19. Miscellaneous

- Employer's Representative: Principal Manager and his delegation, Building Management, CUHK Medical Centre Ltd (CUHKMC).
- Governing law: Hong Kong SAR.
- Language: English (or bilingual English-Chinese if required).

**Fitting Out Works to Eye Centre on
The First Floor of CUHK Medical Centre
Schedule of Rates and Quantities**

Ref	Item	Quantity	Unit	Rate	Total
	<p style="text-align: center;"><u>Schedule No. 2</u> <u>Demolition</u></p> <p>[The Tenderer is required to provide detailed cost breakdown for the works for tender assessment and post-contract valuation of the works.]</p>				
Carried to Summary of Tender					

**Fitting Out Works to Eye Centre on
The First Floor of CUHK Medical Centre
Schedule of Rates and Quantities**

Ref	Item	Quantity	Unit	Rate	Total
	<p style="text-align: center;"><u>Schedule No. 3</u> <u>Brickwork and Blockwork</u></p> <p>[The Tenderer is required to provide detailed cost breakdown for the works for tender assessment and post-contract valuation of the works.]</p>				
	Carried to Summary of Tender				

**Fitting Out Works to Eye Centre on
The First Floor of CUHK Medical Centre
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Ref	Item	Quantity	Unit	Rate	Total
	<p style="text-align: center;"><u>Schedule No. 4</u> <u>Roofing and Waterproofing</u></p> <p>[The Tenderer is required to provide detailed cost breakdown for the works for tender assessment and post-contract valuation of the works.]</p>				
Carried to Summary of Tender					

**Fitting Out Works to Eye Centre on
The First Floor of CUHK Medical Centre
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Ref	Item	Quantity	Unit	Rate	Total
	<p style="text-align: center;"><u>Schedule No. 5</u> <u>Carpentry and Joinery</u></p> <p>[The Tenderer is required to provide detailed cost breakdown for the works for tender assessment and post-contract valuation of the works.]</p>				
Carried to Summary of Tender					

**Fitting Out Works to Eye Centre on
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Ref	Item	Quantity	Unit	Rate	Total
	<p style="text-align: center;"><u>Schedule No. 6</u> <u>Ironmongery</u></p> <p>[The Tenderer is required to provide detailed cost breakdown for the works for tender assessment and post-contract valuation of the works.]</p>				
Carried to Summary of Tender					

**Fitting Out Works to Eye Centre on
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Ref	Item	Quantity	Unit	Rate	Total
	<p style="text-align: center;"><u>Schedule No. 7</u> <u>Steel and Metal Work</u></p> <p>[The Tenderer is required to provide detailed cost breakdown for the works for tender assessment and post-contract valuation of the works.]</p>				
Carried to Summary of Tender					

**Fitting Out Works to Eye Centre on
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Ref	Item	Quantity	Unit	Rate	Total
	<p style="text-align: center;"><u>Schedule No. 8</u> <u>Plastering and Finishes</u></p> <p>[The Tenderer is required to provide detailed cost breakdown for the works for tender assessment and post-contract valuation of the works.]</p>				
Carried to Summary of Tender					

Item	Description	QTY	Unit	Supply Rate (HKS)	Installation Rate (HKS)	Amount(HKS)
SCHEDULE NO. 9						
PLUMBING & DRAINAGE INSTALLATION						
D.	<u>Plumbing & Drainage System</u>					
D.1	Potable Water Supply System					
1	Copper pipe to BSEN1057					
	_____ 22 mm dia. Ditto		m			
	_____ 28 mm dia. Ditto		m			
	_____ 35 mm dia. Ditto		m			
2	Gate valve:-					
	_____ 22 mm dia.		no.			
	_____ 28 mm dia.		no.			
	_____ 35 mm dia.		no.			
3	Loose jumper type stop cock :-					
	_____ 22 mm dia.		no.			
4	6 kW Instantaneous Electric Water Heater		no.			
5	Non return valve:-					
	_____ 22 mm dia.		no.			
6	Water Hammer Arrestor		no.			
7	Angle valve		no.			
8	Flow restrictor		no.			
9	Water flow meter		no.			

Carried to Summary of Section D.1 (HKS)

Item	Description	QTY	Unit	Supply Rate (HK\$)	Installation Rate (HK\$)	Amount(HK\$)
<p><u>SCHEDULE NO. 9</u> PLUMBING & DRAINAGE INSTALLATION</p>						
<p><u>SUMMARY OF SECTION</u> <u>Plumbing & Drainage System</u></p>						
D.1	Potable Water Supply System					
<p>From page S1 / 1</p>						
Carried to Collection (HK\$)						

Item	Description	QTY	Unit	Supply Rate (HKS)	Installation Rate (HKS)	Amount(HKS)
SCHEDULE NO. 9						
PLUMBING & DRAINAGE INSTALLATION						
D.2	Aboveground Soil & Waste, Anti-Syphonage & Ventilating System					
1	uPVC soil & waste pipe and pipe to BS EN 1329-1 :- ____ 32 mm dia. ____ 40 mm dia. ____ 50 mm dia.		m m m			
2	Expansion joints for drain pipes run acrossing building's joints.		no.			
3	Sump pump c/w all accessories an control panel including starter, control relay, level switches, wing. guild bar, alarm and signals, etc. - ____ 0.5 l/s, 10m Head ____ 1.0 l/s, 10m Head		no. no.			
4	Galvanized steel pipe to BS 1387 / BS EN 10255 ____ 40 mm dia. ____ 50 mm dia.		m m			
5	Expansion joints :- ____ 40 mm dia. ____ 50 mm dia.		no. no.			
6	Flexible connector :- ____ 40 mm dia. ____ 50 mm dia.		no. no.			
7	Non-return valve :- ____ 40 mm dia. ____ 50 mm dia.		no. no.			
8	Gate valve :- ____ 40 mm dia. ____ 50 mm dia.		no. no.			
9	Epoxy Cast Iron pipe to BS EN 877 w/Stainless steel 316 coupling ____ 32 mm dia. ____ 40 mm dia. ____ 50 mm dia.		m m m			

Carried to Summary of Section D.2 (HKS)

Item	Description	QTY	Unit	Supply Rate (HKS)	Installation Rate (HKS)	Amount(HKS)
<p><u>SCHEDULE NO. 9</u> PLUMBING & DRAINAGE INSTALLATION</p>						
<p><u>SUMMARY OF SECTION</u> <u>Plumbing & Drainage System</u></p>						
<p>D.2</p>	<p>Aboveground Soil & Waste, Anti-Syphonage & Ventilating System</p>					
	<p>From page S1 / 3</p>					
					<p>Carried to Collection (HKS)</p>	

Item	Description	QTY	Unit	Supply Rate (HKS)	Installation Rate (HKS)	Amount(HKS)
<p>SCHEDULE NO. 9 PLUMBING & DRAINAGE INSTALLATION</p>						
D.3	Installation, supply, demolished & protection to the Sanitary Fixture and Fittings					
1	Pick-up & installation of sanitary fixtures & fitting in building:		lot.			
2	Protection to the installed sanitary fixtures & fittings		lot.			

Carried to Summary of Section D.3 (HKS)

Item	Description	QTY	Unit	Supply Rate (HKS)	Installation Rate (HKS)	Amount(HKS)
<p><u>SCHEDULE NO. 9</u> PLUMBING & DRAINAGE INSTALLATION</p>						
<p><u>SUMMARY OF SECTION</u> <u>Plumbing & Drainage System</u></p>						
<p>D.3</p>	<p>Installation, supply, demolished & protection to the Sanitary Fixture and Fittings</p>					
	<p>From page S1 /5</p>					
					<p>Carried to Collection (HKS)</p>	

Item	Description	QTY	Unit	Supply Rate (HK\$)	Installation Rate (HK\$)	Amount(HK\$)
SCHEDULE NO. 9						
PLUMBING & DRAINAGE INSTALLATION						
D.4	P&D Miscellaneous Works		no.			
a.	Provision of painting and labelling as specified		lot.			
b.	Provision of sample board as specified.		lot.			
c.	The Contractor shall employ a A.P./Registered Structural Engineer to verify the additional/ modification of structural elements and include all submission to all the government authorities. Building Department submission by your own A.P. and RSE, Documentation ,calculation and drawing for new and minor works of P&D submission.		lot.			
d.	Remove existing false ceiling and reinstate after PD installation		lot.			
e.	The Contractor shall employ a qualified Minor Works Contractor to carry out the portion of works that would undergo by minor works nature. Building Department submission by your own A.P. and RSE, Documentation ,calculation and drawing for new and minor works of P&D submission.		lot.			
f.	Providing FRP enclosure meeting FSD requirements for Plumbing & Drainage installation solely - 2 hrs FRP enclosure - 4 hrs FRP enclosure		m2 m2			
g.	Other items required by the Tenderer (please specify)					

Carried to Summary of Section D.4 (HK\$)

Item	Description	QTY	Unit	Supply Rate (HKS)	Installation Rate (HKS)	Amount(HKS)
	<p><u>SCHEDULE NO. 9</u> PLUMBING & DRAINAGE INSTALLATION</p> <p><u>SUMMARY OF SECTION</u> <u>Plumbing & Drainage System</u></p> <p>D.4 P&D Miscellaneous Works</p> <p>From page S1 / 7</p>					

Carried to Collection (HKS)

Item	Description	Amount(HKS)
<p><u>SCHEDULE NO. 9</u> PLUMBING & DRAINAGE INSTALLATION</p>		
<p><u>SUMMARY</u></p>		
		Page
D	<u>Plumbing & Drainage System</u>	
D.1	Potable Water Supply System	S1/1
D.2	Aboveground Soil & Waste, Anti-Syphonage & Ventilating System	S1/3
D.3	Installation, supply, demolished & protection to the Sanitary Fixture and Fittings	S1/5
D.4	P&D Miscellaneous Works	S1/7

Carried to Summary of SCHEDULE NO. 1 (HKS)

**Fitting Out Works to Eye Centre on
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Ref	Item	Quantity	Unit	Rate	Total
	<p style="text-align: center;"><u>Schedule No. 10</u> <u>Glazing</u></p> <p>[The Tenderer is required to provide detailed cost breakdown for the works for tender assessment and post-contract valuation of the works.]</p>				
Carried to Summary of Tender					

**Fitting Out Works to Eye Centre on
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Ref	Item	Quantity	Unit	Rate	Total
	<p><u>Schedule No. 11</u> <u>Painting</u></p> <p>[The Tenderer is required to provide detailed cost breakdown for the works for tender assessment and post-contract valuation of the works.]</p>				
Carried to Summary of Tender					

**Fitting Out Works to Eye Centre on
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Ref	Item	Quantity	Unit	Rate	Total
	<p style="text-align: center;"><u>Schedule No. 12</u> <u>Partitions and Cubicle System</u></p> <p>[The Tenderer is required to provide detailed cost breakdown for the works for tender assessment and post-contract valuation of the works.]</p>				
	Carried to Summary of Tender				

Item	Description	QTY	Unit	Supply Rate (HKS)	Installation Rate (HKS)	Amount(HKS)
	<u>SCHEDULE NO. 13</u>					
	ELECTRICAL INSTALLATION					
B	<u>Electrical & ELV Installation</u>					
B.1	Switchgears					
a.	MCCB Distribution Board c/w Copper Busbar Chamber, A.I. Switch and all Necessary Accessories					
	630 Amp TP&N MCCB Boards					
	4 ways		nr			
	6 ways		nr			
	8 ways		nr			
	10 ways		nr			
	12 ways		nr			
	400 Amp TP&N MCCB Boards					
	4 ways		nr			
	6 ways		nr			
	8 ways		nr			
	10 ways		nr			
	12 ways		nr			
	300 Amp TP&N MCCB Boards					
	4 ways		nr			
	6 ways		nr			
	8 ways		nr			
	10 ways		nr			
	12 ways		nr			
	250 Amp TP&N MCCB Boards					
	4 ways		nr			
	6 ways		nr			
	8 ways		nr			
	10 ways		nr			
	12 ways		nr			
	16 ways		nr			
	18 ways		nr			
	200 Amp TP&N MCCB Boards					
	4 ways		nr			
	6 ways		nr			
	8 ways		nr			
	10 ways		nr			
	12 ways		nr			
	16 ways		nr			
	18 ways		nr			

Carried to Summary of Section B.1 (HKS)

Item	Description	QTY	Unit	Supply Rate (HKS)	Installation Rate (HKS)	Amount(HKS)
	<u>SCHEDULE NO. 13</u>					
	ELECTRICAL INSTALLATION					
B	<u>Electrical & ELV Installation</u>					
B.1	Switchgears (Cont'd)					
a.	MCCB Distribution Board c/w Copper Busbar Chamber, A.I. Switch and all Necessary Accessories (Cont'd)					
	160 Amp TP&N MCCB Boards					
	4 ways		nr			
	6 ways		nr			
	8 ways		nr			
	10 ways		nr			
	12 ways		nr			
	16 ways		nr			
	18 ways		nr			
	100 Amp TP&N MCCB Boards					
	4 ways		nr			
	6 ways		nr			
	8 ways		nr			
	10 ways		nr			
	12 ways		nr			
	16 ways		nr			
	18 ways		nr			
	63 Amp TP&N MCCB Boards					
	4 ways		nr			
	6 ways		nr			
	8 ways		nr			
	10 ways		nr			
	12 ways		nr			
	16 ways		nr			
	18 ways		nr			

Carried to Summary of Section B.1 (HKS)

Item	Description	QTY	Unit	Supply Rate (HKS)	Installation Rate (HKS)	Amount(HKS)
	SCHEDULE NO. 13					
	ELECTRICAL INSTALLATION					
B.1	Switchgears (Cont'd)					
b.	MCB Distribution Board c/w Copper Busbar Chamber, A.I. Switch and all Necessary Accessories					
	200 Amp TP&N MCB Boards					
	4 ways		nr			
	6 ways		nr			
	8 ways		nr			
	10 ways		nr			
	12 ways		nr			
	16 ways		nr			
	18 ways		nr			
	160 Amp TP&N MCB Boards					
	4 ways		nr			
	6 ways		nr			
	8 ways		nr			
	10 ways		nr			
	12 ways		nr			
	16 ways		nr			
	18 ways		nr			
	100 Amp TP&N MCB Boards					
	4 ways		nr			
	6 ways		nr			
	8 ways		nr			
	10 ways		nr			
	12 ways		nr			
	16 ways		nr			
	18 ways		nr			
	63 Amp TP&N MCB Boards					
	4 ways		nr			
	6 ways		nr			
	8 ways		nr			
	10 ways		nr			
	12 ways		nr			
	16 ways		nr			
	18 ways		nr			
	40 Amp TP&N MCB Boards					
	4 ways		nr			
	6 ways		nr			
	8 ways		nr			
	10 ways		nr			
	12 ways		nr			
	16 ways		nr			
	18 ways		nr			

Carried to Summary of Section B.1 (HKS)

Item	Description	QTY	Unit	Supply Rate (HKS)	Installation Rate (HKS)	Amount(HKS)
	SCHEDULE NO. 13					
	ELECTRICAL INSTALLATION					
B.1	Switchgears (Cont'd)					
c.	Switches c/w all Necessary Accessories					
	4P Automatic Transfer Switches c/w Case and Indicator					
	300A		nr			
	200A		nr			
	160A		nr			
	TP&N Switches					
	630A TP&N Switch		nr			
	400A TP&N Switch		nr			
	300A TP&N Switch		nr			
	250A TP&N Switch		nr			
	200A TP&N Switch		nr			
	160A TP&N Switch		nr			
	100A TP&N Switch		nr			
	63A TP&N Switch		nr			
	40A TP&N Switch		nr			

Carried to Summary of Section B.1 (HKS)

Item	Description	QTY	Unit	Supply Rate (HKS)	Installation Rate (HKS)	Amount(HKS)
	SCHEDULE NO. 13					
	ELECTRICAL INSTALLATION					
B.1	Switchgears (Cont'd)					
d.	MCCB, MCB and RCBO Units					
	MCCB Units					
	630A TPN		nr			
	400A TPN		nr			
	300A TPN		nr			
	250A TPN		nr			
	200A TPN		nr			
	160A TPN		nr			
	100A TPN		nr			
	63A TPN		nr			
	40A TPN		nr			
	MCB Units					
	200A TPN		nr			
	160A TPN		nr			
	100A TPN		nr			
	63A TPN		nr			
	40A TPN		nr			
	32A TPN		nr			
	20A TPN		nr			
	16A TPN		nr			
	20A SPN		nr			
	16A SPN		nr			
	10A SPN		nr			
	6A SPN		nr			
	RCBO Units					
	32A 4P, 30mA		nr			
	20A 4P, 30mA		nr			
	16A 4P, 30mA		nr			
	32A SPN, 30mA		nr			
	20A SPN, 30mA		nr			
	16A SPN, 30mA		nr			

Carried to Summary of Section B.1 (HKS)

Item	Description	QTY	Unit	Supply Rate (HKS)	Installation Rate (HKS)	Amount(HKS)
	<u>SCHEDULE NO. 13</u> ELECTRICAL INSTALLATION					
B.1	Switchgears (Cont'd)					
e.	Current Transformers					
	630A/5A		nr			
	400A/5A		nr			
	300A/5A		nr			
	250A/5A		nr			
	200A/5A		nr			
	160A/5A		nr			
f.	Relays and Contactors					
	Earth Fault Relays		nr			
	Undervolt Relays		nr			
	Contactors		nr			
g.	Timers		nr			
h.	Serge Arrestors (<u>Optional</u>)					
	40 kVA		nr			
i.	Power Factor Correction Devices (<u>Optional</u>)					
	400A		nr			
	300A		nr			
	250A		nr			
	200A		nr			
	150A		nr			
	100A		nr			
j.	Active Harmonic Filters (<u>Optional</u>)					
	200 kVAR		nr			
	175 kVAR		nr			
	150 kVAR		nr			
	125 kVAR		nr			
	100 kVAR		nr			
	75 kVAR		nr			
k.	Connection of Undervolt Relay to Base Building Generator Startup Dry Contact		Item			

Carried to Summary of Section B.1 (HKS)

Item	Description	QTY	Unit	Supply Rate (HKS)	Installation Rate (HKS)	Amount(HKS)
<p>SCHEDULE NO. 13 ELECTRICAL INSTALLATION</p>						
B.1	Switchgears (Cont'd)					
I.	Other (Please Specify)					

Carried to Summary of Section B.1 (HKS)

Item	Description	QTY	Unit	Supply Rate (HKS)	Installation Rate (HKS)	Amount(HKS)
	SCHEDULE NO. 13					
	ELECTRICAL INSTALLATION					
B.2	Cables and Wirings					
a.	Fire Resistant Low Smoke Zero Halogen Copper Cables, XLPE Insulated					
	1.5 mm ² , 1-core		m			
	2.5 mm ² , 1-core		m			
	4 mm ² , 1-core		m			
	10 mm ² , 1-core		m			
	16 mm ² , 1-core		m			
	25 mm ² , 1-core		m			
	35 mm ² , 1-core		m			
	50 mm ² , 1-core		m			
	70 mm ² , 1-core		m			
	95 mm ² , 1-core		m			
	120 mm ² , 1-core		m			
	150 mm ² , 1-core		m			
	185 mm ² , 1-core		m			
	240 mm ² , 1-core		m			
b.	Low Smoke Zero Halogen Copper Cables, XLPE insulated					
	1.5 mm ² , 1-core		m			
	2.5 mm ² , 1-core		m			
	4 mm ² , 1-core		m			
	10 mm ² , 1-core		m			
	16 mm ² , 1-core		m			
	25 mm ² , 1-core		m			
	35 mm ² , 1-core		m			
	50 mm ² , 1-core		m			
	70 mm ² , 1-core		m			
	95 mm ² , 1-core		m			
	120 mm ² , 1-core		m			
	150 mm ² , 1-core		m			
	185 mm ² , 1-core		m			
	240 mm ² , 1-core		m			
	300 mm ² , 1-core		m			
	400 mm ² , 1-core		m			

Carried to Summary of Section B.2 (HKS)

Item	Description	QTY	Unit	Supply Rate (HKS)	Installation Rate (HKS)	Amount(HKS)
	SCHEDULE NO. 13					
	ELECTRICAL INSTALLATION					
B.2	Cables and Wirings (Cont'd)					
c.	Fire Resistant Low Smoke Zero Halogen Armoured Copper Cables, XLPE Insulated					
	1.5 sq.mm, 4-core		m			
	2.5 sq.mm, 4-core		m			
	4 sq.mm, 4-core		m			
	6 sq.mm, 4-core		m			
	10 sq.mm, 4-core		m			
	16 sq.mm, 4-core		m			
	25 sq.mm, 4-core		m			
	35 sq.mm, 4-core		m			
	50 sq.mm, 4-core		m			
	70 sq.mm, 4-core		m			
	95 sq.mm, 4-core		m			
	120 sq.mm, 4-core		m			
	150 sq.mm, 4-core		m			
	185 sq.mm, 4-core		m			
	240 sq.mm, 4-core		m			
d.	Low Smoke Zero Halogen Armoured Copper Cables, XLPE Insulated					
	1.5 sq.mm, 4-core		m			
	2.5 sq.mm, 4-core		m			
	4 sq.mm, 4-core		m			
	6 sq.mm, 4-core		m			
	10 sq.mm, 4-core		m			
	16 sq.mm, 4-core		m			
	25 sq.mm, 4-core		m			
	35 sq.mm, 4-core		m			
	50 sq.mm, 4-core		m			
	70 sq.mm, 4-core		m			
	95 sq.mm, 4-core		m			
	120 sq.mm, 4-core		m			
	150 sq.mm, 4-core		m			
	185 sq.mm, 4-core		m			
	240 sq.mm, 4-core		m			
	300 sq.mm, 4-core		m			
	400 sq.mm, 4-core		m			
e.	Terminating Glands with PVC Strouds for					
	_____ mm ² _____ core		nr			
	_____ mm ² _____ core		nr			
	_____ mm ² _____ core		nr			
	_____ mm ² _____ core		nr			
	_____ mm ² _____ core		nr			
	_____ mm ² _____ core		nr			
	_____ mm ² _____ core		nr			
	_____ mm ² _____ core		nr			
f.	Cable Link Boxes		nr			

Carried to Summary of Section B.2 (HKS)

Item	Description	QTY	Unit	Supply Rate (HKS)	Installation Rate (HKS)	Amount(HKS)
	<p><u>SCHEDULE NO. 13</u> ELECTRICAL INSTALLATION</p> <p><u>SUMMARY OF SECTION</u> <u>Electrical & ELV Installation</u></p>					
B.2	<p>Cables and Wirings (Cont'd)</p> <p>From page S1 / 9</p> <p>From page S1 / 10</p> <p>From page S1 / 11</p>					
Carried to Collection (HKS)						

Item	Description	QTY	Unit	Supply Rate (HK\$)	Installation Rate (HK\$)	Amount(HK\$)
	<u>SCHEDULE NO. 13</u> ELECTRICAL INSTALLATION					
B.3	Cable Containments and Wiring Accessories for Power Distribution System					
a.	Galvanized Steel Conduits and Accessories					
	20mm		m			
	25mm		m			
	32mm		m			
b.	Concealed Conduits and Accessories					
	20mm		m			
	25mm		m			
	32mm		m			
c.	Galvanized Steel Single Compartment Trunkings c/w Supports and Accessories					
	50mm x 50mm		m			
	75mm x 75mm		m			
	100mm x 100mm		m			
	150mm x 100mm		m			
	150mm x 150mm		m			
	200mm x 100mm		m			
	200mm x 150mm		m			
	250mm x 100mm		m			
	250mm x 150mm		m			
	300mm x 150mm		m			
d.	Galvanized Steel Two Compartment Trunkings c/w Supports and Accessories					
	100mm x 50mm		m			
	150mm x 50mm		m			
	200mm x 100mm		m			
	200mm x 150mm		m			
	300mm x 100mm		m			
	300mm x 150mm		m			
e.	Galvanized Steel Under-floor Trunking c/w Cover and Accessories					
	50mm x 50mm		m			
	100mm x 50mm		m			
	150mm x 50mm		m			
	200mm x 50mm		m			
	300mm x 50mm		m			
	400mm x 50mm		m			
f.	Flexible Conduit and Accessories (with or without PVC Sheath)					
	20mm		m			
	25mm		m			
	32mm		m			
	40mm		m			

Carried to Summary of Section B.3 (HK\$)

Item	Description	QTY	Unit	Supply Rate (HKS)	Installation Rate (HKS)	Amount(HKS)
	SCHEDULE NO. 13					
	ELECTRICAL INSTALLATION					
B.3	Cable Containments and Wiring Accessories for Power Distribution System (Cont'd)					
g.	Galvanized Steel Adaptable Boxes					
	75 mm x 75 mm		nr			
	100 mm x 100 mm		nr			
	150 mm x 150 mm		nr			
	225 mm x 225 mm		nr			
	20mm Deep Pattern Type Circular BESA Box		nr			
	BS 4662 35mm Depth, 1-gang Box		nr			
	BS 4662 35mm Depth, 2-gang Box		nr			
	BS 4662 47mm Depth, 1-gang Box		nr			
	BS 4662 47mm Depth, 2-gang Box		nr			
	Blanking Plate for BS 4662 Box		nr			
h.	Adaptable Boxes					
	75 mm x 75 mm		nr			
	100 mm x 100 mm		nr			
	150 mm x 150 mm		nr			
	225 mm x 225 mm		nr			
	20mm Deep Pattern Type Circular BESA Box		nr			
	BS 4662 35mm Depth, 1-gang Box		nr			
	BS 4662 35mm Depth, 2-gang Box		nr			
	BS 4662 47mm Depth, 1-gang Box		nr			
	BS 4662 47mm Depth, 2-gang Box		nr			
	Blanking Plate for BS 4662 Box		nr			

Carried to Summary of Section B.3 (HKS)

Item	Description	QTY	Unit	Supply Rate (HKS)	Installation Rate (HKS)	Amount(HKS)
SCHEDULE NO. 13						
ELECTRICAL INSTALLATION						
B.3	Cable Containments and Wiring Accessories for Power Distribution System (Cont'd)					
i.	Floor Box (Installation of Existing Floor Box c/w Supply and Installation of New Power and Data Outlets)					
	3 Compartment (c/w 1 No. 13A Twin Socket Outlet, 1 No. Single 13A Socket Outlet and 1 No. Data Outlet)		nr			
	3 Compartment (c/w 1 No. 13A Twin Socket Outlet, 1 No. Data Outlet and 1 No. Single Adpatable Box with Blank Plate)		nr			
	3 Compartment (c/w 1 No. 13A Single Socket Outlet, 1 No. Data Outlet and 1 No. Twin Adpatable Box with Blank Plate)		nr			
j.	Floor Box (Supply and Installation of New Floor Box c/w Supply and Installation of New Power and Data Outlets) (MK or Equivalent)					
	3 Compartment (c/w 1 No. 13A Twin Socket Outlet, 1 No. Single 13A Socket Outlet and 1 No. Data Outlet)		nr			
	3 Compartment (c/w 1 No. 13A Twin Socket Outlet, 1 No. Data Outlet and 1 No. Single Adpatable Box with Blank Plate)		nr			
	3 Compartment (c/w 1 No. 13A Single Socket Outlet, 1 No. Data Outlet and 1 No. Twin Adpatable Box with Blank Plate)		nr			
k.	Power Track under Floor (Optional) (Legrand "Electrak" / CMD Betatrak or Equivalent)					
	4 Nos. 13A Socket Outlet		nr			
	6 Nos. 13A Socket Outlet		nr			
	8 Nos. 13A Socket Outlet		nr			
	12 Nos. 13A Socket Outlet		nr			
l.	Power Extension Bar under Desk c/w Connection to Floor Box and Connection to Power Module on Desk (Power Module on Desk Supplied and Installed by Other) (Schneider Electric "AvatarOn" or Equivalent)					
	4 Gang		nr			
	6 Gang		nr			
m.	Power Module under Desk c/w Connection to Power Track and Connection to Power Module on Desk (Optional) (CMD "Conti" or Equivalent)					
	4 Nos. 13A Socket Outlet		nr			
	6 Nos. 13A Socket Outlet		nr			
n.	Power Module on Desk (Optional)					
	1 No. 13A Socket Outlet, 2 Nos. 5A USB-A Socket Outlet, 2 Nos. 5A USB-C Socket Outlet, Wireless Charging		nr			
o.	Rubber Grommet					
	20mm		nr			
	25mm		nr			
	32mm		nr			
	40mm		nr			

Carried to Summary of Section B.3 (HKS)

Item	Description	QTY	Unit	Supply Rate (HK\$)	Installation Rate (HK\$)	Amount(HK\$)
	SCHEDULE NO. 13					
	ELECTRICAL INSTALLATION					
B.3	Cable Containments and Wiring Accessories for Power Distribution System (Cont'd)					
p.	Power Point c/w Adaptable Box and Outlet Plate Installed above False Ceiling or within Raised Floor					
	13A 1-gang Socket Outlet		nr			
	13A 2-gang Socket Outlet		nr			
	16A DP Switch with Pilot Lamp		nr			
	20A DP Switch with Pilot Lamp		nr			
	32A DP Switch with Pilot Lamp		nr			
	5A Switched Fuse Spur Unit		nr			
	13A Switched Fuse Spur Unit		nr			
	20A Switched Fuse Spur Unit		nr			
q.	Power Point c/w with Adaptable Box and Outlet Plate Installed under False Ceiling and above Raised Floor (Schneider Electric "Pieno" / "AvatorOn" or Equivalent, Colour subject to Interior Designer's Approval)					
	13A 1-gang Socket Outlet		nr			
	13A 2-gang Socket Outlet		nr			
	16A DP Switch with Pilot Lamp		nr			
	20A DP Switch with Pilot Lamp		nr			
	32A DP Switch with Pilot Lamp		nr			
	5A Switched Fuse Spur Unit		nr			
	13A Switched Fuse Spur Unit		nr			
	20A Switched Fuse Spur Unit		nr			
	5A USB-A Socket Outlet		nr			
	5A USB-C Socket Outlet		nr			

Carried to Summary of Section B.3 (HK\$)

Item	Description	QTY	Unit	Supply Rate (HKS)	Installation Rate (HKS)	Amount(HKS)
<p>SCHEDULE NO. 13 ELECTRICAL INSTALLATION</p>						
B.3	Cable Containments and Wiring Accessories for Power Distribution System (Cont'd)					
r.	Other (Please Specify)					

Carried to Summary of Section B.3 (HKS)

Item	Description	QTY	Unit	Supply Rate (HKS)	Installation Rate (HKS)	Amount(HKS)
	<p><u>SCHEDULE NO. 13</u> ELECTRICAL INSTALLATION</p> <p><u>SUMMARY OF SECTION</u> <u>Electrical & ELV Installation</u></p> <p>B.3 Cable Containments and Wiring Accessories for Power Distribution System (Cont'd)</p> <p>From page S1 / 13</p> <p>From page S1 / 14</p> <p>From page S1 / 15</p> <p>From page S1 / 16</p> <p>From page S1 / 17</p>					
Carried to Collection (HKS)						

Item	Description	QTY	Unit	Supply Rate (HK\$)	Installation Rate (HK\$)	Amount(HK\$)
	<u>SCHEDULE NO. 13</u> ELECTRICAL INSTALLATION					
B.4	Lightings and Lighting Control System					
a.	Supply and Installation of Light Fitting (including Electronic Ballast and Necessary Accessories)					
	F14A		nr			
	F15		nr			
	F38		nr			
	S4		nr			
	F28		nr			
	LT1		nr			
	LT2		nr			
	Exit Sign c/w CPS interface		nr			
	F14A c/w CPS interface		nr			
	F15 c/w CPS interface		nr			

Carried to Summary of Section B.4 (HK\$)

Item	Description	QTY	Unit	Supply Rate (HKS)	Installation Rate (HKS)	Amount(HKS)
	SCHEDULE NO. 13					
	ELECTRICAL INSTALLATION					
B.4	Lightings and Lighting Control System (Cont'd)					
b.	Light Switch (Conventional) (Optional) (Schneider Electric "Pieno" / "AvatorOn" or Equivalent, Colour subject to Interior Designer's Approval)					
	1-gang Light Switch		nr			
	2-gang Light Switch		nr			
	3-gang Light Switch		nr			
c.	Other (Please Specify)					

Carried to Summary of Section B.4 (HKS)

Item	Description	QTY	Unit	Supply Rate (HKS)	Installation Rate (HKS)	Amount(HKS)
	<p><u>SCHEDULE NO. 13</u> ELECTRICAL INSTALLATION</p> <p><u>SUMMARY OF SECTION</u> <u>Electrical & ELV Installation</u></p> <p>B.4 Lightings and Lighting Control System (Cont'd)</p> <p>From page S1 / 19</p> <p>From page S1 / 20</p>					
Carried to Collection (HKS)						

Item	Description	QTY	Unit	Supply Rate (HKS)	Installation Rate (HKS)	Amount(HKS)
	SCHEDULE NO. 13					
	ELECTRICAL INSTALLATION					
B.5	Earthing and Equipotential Bonding System					
a.	Tinned Copper Tape and Earth Terminal					
	25mm x 6mm Tinned Copper Tape		m			
	25mm x 3mm Tinned Copper Tape		m			
	50mm x 6mm Tinned Copper Tape		m			
	Earth Terminal		nr			
	G.I. Draw Box		nr			
	Angle Iron Supporter for Horizontal Copper Tape		nr			
b.	Galvanized Steel Conduits and Accessories					
	20mm		m			
	25mm		m			
	Cover Plate for BS 4662 Outlet Box		nr			
c.	Copper Clip for Bonding to Water Mains, Gas Pipe, etc					
	10mm x 1mm Copper Tape		m			
d.	Protective Conductor					
	2.5 mm ² 1/C PVC Copper Cable (Yellow/Green Colour)		m			
	4 mm ² 1/C PVC Copper Cable (Yellow/Green Colour)		m			
	6 mm ² 1/C PVC Copper Cable (Yellow/Green Colour)		m			
	10 mm ² 1/C PVC Copper Cable (Yellow/Green Colour)		m			
	16 mm ² 1/C PVC Copper Cable (Yellow/Green Colour)		m			
	25 mm ² 1/C PVC Copper Cable (Yellow/Green Colour)		m			

Carried to Summary of Section B.5 (HKS)

Item	Description	QTY	Unit	Supply Rate (HKS)	Installation Rate (HKS)	Amount(HKS)
<p>SCHEDULE NO. 13 ELECTRICAL INSTALLATION</p>						
B.5	Earthing and Equipotential Bonding System					
e.	Other (Please Specify)					

Carried to Summary of Section B.5 (HKS)

Item	Description	QTY	Unit	Supply Rate (HKS)	Installation Rate (HKS)	Amount(HKS)
	<p><u>SCHEDULE NO. 13</u> ELECTRICAL INSTALLATION</p> <p><u>SUMMARY OF SECTION</u> <u>Electrical & ELV Installation</u></p>					
B.5	<p>Earthing and Equipotential Bonding System (Cont'd)</p> <p>From page S1 / 22</p> <p>From page S1 / 23</p>					
Carried to Collection (HKS)						

Item	Description	QTY	Unit	Supply Rate (HKS)	Installation Rate (HKS)	Amount(HKS)
	SCHEDULE NO. 13					
	ELECTRICAL INSTALLATION					
B.6	Cable Containments and Wiring Accessories for IT, AV, Security, CABD, BMS and ELV Systems					
a.	Galvanized Steel Conduits and Accessories					
	20mm		m			
	25mm		m			
	32mm		m			
b.	Concealed Conduits and Accessories					
	20mm		m			
	25mm		m			
	32mm		m			
c.	Galvanized Steel Single Compartment Trunkings c/w Supports and Accessories					
	50mm x 50mm		m			
	75mm x 75mm		m			
	100mm x 100mm		m			
	150mm x 100mm		m			
	150mm x 150mm		m			
	200mm x 100mm		m			
	200mm x 150mm		m			
	250mm x 100mm		m			
	250mm x 150mm		m			
d.	Galvanized Steel Two Compartment Trunkings c/w Supports and Accessories					
	100mm x 50mm		m			
	150mm x 50mm		m			
	200mm x 100mm		m			
	200mm x 150mm		m			
	300mm x 100mm		m			
	300mm x 150mm		m			
e.	Galvanized Steel Cable Basket					
	100mm x 50mm		m			
	200mm x 50mm		m			
	400mm x 50mm		m			

Carried to Summary of Section B.6 (HKS)

Item	Description	QTY	Unit	Supply Rate (HKS)	Installation Rate (HKS)	Amount(HKS)
	SCHEDULE NO. 13					
	ELECTRICAL INSTALLATION					
B.6	Cable Containments and Wiring Accessories for IT, AV, Security, CABD, BMS and ELV Systems (Cont'd)					
f.	Galvanized Steel Adaptable Boxes					
	75 mm x 75 mm		nr			
	100 mm x 100 mm		nr			
	150 mm x 150 mm		nr			
	225 mm x 225 mm		nr			
	20mm Deep Pattern Type Circular BESA Box		nr			
	BS 4662 35mm Depth, 1-gang Box		nr			
	BS 4662 35mm Depth, 2-gang Box		nr			
	BS 4662 47mm Depth, 1-gang Box		nr			
	BS 4662 47mm Depth, 2-gang Box		nr			
	Blanking Plate for BS 4662 Box		nr			
g.	Adaptable Boxes					
	75 mm x 75 mm		nr			
	100 mm x 100 mm		nr			
	150 mm x 150 mm		nr			
	225 mm x 225 mm		nr			
	20mm Deep Pattern Type Circular BESA Box		nr			
	BS 4662 35mm Depth, 1-gang Box		nr			
	BS 4662 35mm Depth, 2-gang Box		nr			
	BS 4662 47mm Depth, 1-gang Box		nr			
	BS 4662 47mm Depth, 2-gang Box		nr			
	Blanking Plate for BS 4662 Box		nr			

Carried to Summary of Section B.6 (HKS)

Item	Description	QTY	Unit	Supply Rate (HKS)	Installation Rate (HKS)	Amount(HKS)
SCHEDULE NO. 13						
ELECTRICAL INSTALLATION						
B.6	Cable Containments and Wiring Accessories for IT, AV, Security, CABD, BMS and ELV Systems (Cont'd)					
h.	Data Outlet c/w Adaptable Box, Blank Plate and Draw Wire Installed above False Ceiling or within Raised Floor		nr			
i.	Data Outlet c/w Adaptable Box, Blank Plate and Draw Wire Installed under False Ceiling and above Raised Floor (Schneider Electric Pieno / AvatorOn Series or Equivalent) (Colour subject to Interior Designer's Approval)		nr			
j.	Telephone Outlet c/w Adaptable Box, Blank Plate and Draw Wire Installed above False Ceiling or within Raised Floor		nr			
k.	Telephone Outlet c/w Adaptable Box, Blank Plate and Draw Wire Installed under False Ceiling and above Raised Floor (Schneider Electric Pieno / AvatorOn Series or Equivalent) (Colour subject to Interior Designer's Approval)		nr			
l.	HDMI Outlet c/w Adaptable Box, Blank Plate and Draw Wire Installed above False Ceiling or within Raised Floor		nr			
m.	HDMI Outlet c/w Adaptable Box, Blank Plate and Draw Wire Installed under False Ceiling and above Raised Floor (Schneider Electric Pieno / AvatorOn Series or Equivalent) (Colour subject to Interior Designer's Approval)		nr			
n.	Display Port Outlet c/w Adaptable Box, Blank Plate and Draw Wire Installed above False Ceiling or within Raised Floor		nr			
o.	Display Port Outlet c/w Adaptable Box, Blank Plate and Draw Wire Installed under False Ceiling and above Raised Floor (Schneider Electric Pieno / AvatorOn Series or Equivalent) (Colour subject to Interior Designer's Approval)		nr			
p.	RJ12 Outlet c/w Adaptable Box, Blank Plate and Draw Wire Installed above False Ceiling or within Raised Floor		nr			
q.	RJ12 Outlet c/w Adaptable Box, Blank Plate and Draw Wire Installed under False Ceiling and above Raised Floor (Schneider Electric Pieno / AvatorOn Series or Equivalent) (Colour subject to Interior Designer's Approval)		nr			

Carried to Summary of Section B.6 (HKS)

Item	Description	QTY	Unit	Supply Rate (HKS)	Installation Rate (HKS)	Amount(HKS)
<p>SCHEDULE NO. 13 ELECTRICAL INSTALLATION</p>						
B.6	Cable Containments and Wiring Accessories for IT, AV, Security, CABD, BMS and ELV Systems (Cont'd)					
r.	Other (Please Specify)					

Carried to Summary of Section B.6 (HKS)

Item	Description	QTY	Unit	Supply Rate (HKS)	Installation Rate (HKS)	Amount(HKS)
	<p><u>SCHEDULE NO. 13</u> ELECTRICAL INSTALLATION</p> <p><u>SUMMARY OF SECTION</u> <u>Electrical & ELV Installation</u></p> <p>B.6 Cable Containments and Wiring Accessories for IT, AV, Security, CABD, BMS and ELV Systems (Cont'd)</p> <p>From page S1 / 25</p> <p>From page S1 / 26</p> <p>From page S1 / 27</p> <p>From page S1 / 28</p>					
Carried to Collection (HKS)						

Item	Description	QTY	Unit	Supply Rate (HKS)	Installation Rate (HKS)	Amount(HKS)
	SCHEDULE NO. 13 ELECTRICAL INSTALLATION					
B.7	CABD System					
a.	TV Outlet c/w Adaptable Box and Outlet Plate nstalled above False Ceiling or within Raised Floor		nr			
b.	TV Outlet c/w Adaptable Box and Outlet Plate Installed under False Ceiling and above Raised Floor (Schneider Electric Pieno / AvatorOn Series or Equivalent) (Colour subject to Interior Designer's Approval)		nr			
c.	Tap		nr			
d.	Splitter		nr			
e.	Coaxial Cable		m			

Carried to Summary of Section B.7 (HKS)

Item	Description	QTY	Unit	Supply Rate (HKS)	Installation Rate (HKS)	Amount(HKS)
	<p>SCHEDULE NO. 13 ELECTRICAL INSTALLATION</p>					
B.7	CABD System (Cont'd)					
f.	Other (Please Specify)					

Carried to Summary of Section B.7 (HKS)

Item	Description	QTY	Unit	Supply Rate (HKS)	Installation Rate (HKS)	Amount(HKS)
	<p><u>SCHEDULE NO. 13</u> ELECTRICAL INSTALLATION</p> <p><u>SUMMARY OF SECTION</u> <u>Electrical & ELV Installation</u></p> <p>B.7 CABD System (Cont'd)</p> <p>From page S1 / 30</p> <p>From page S1 / 31</p>					
Carried to Collection (HKS)						

Item	Description	QTY	Unit	Supply Rate (HKS)	Installation Rate (HKS)	Amount(HKS)
	SCHEDULE NO. 13					
	ELECTRICAL INSTALLATION					
B.8	Miscellaneous Works					
a.	Testing and Commissioning		item			
b.	Identification Painting and Labels including Description		item			
c.	Sealing Works for Services Openings		item			
d.	Providing Necessary Protection of the System to Ensure No Deterioration Arises prior to Commissioning and Acceptance Tests		item			
e.	Providing Instruction, Signage, Training for each Electrical & ELV System		item			
f.	Providing Instruction, Software Demonstration and Training for Lighting Control System and Power and Energy Management System		item			
g.	Spare Parts, Test Kits and Relevant Tools		item			
h.	Submission to Management Office including All Necessary Drawings and Forms		item			
i.	Necessary Works to meet Base Building Building Management Office Requirements		item			
j.	Document Preparation for Green Building Certification Including BEC, BEAM Plus, LEED and WELL		item			
k.	Allow Cost for Temporary Diversion and Modificaton for Existing E&M services to suit the new layout		item			
l.	Preparation and Submission of Form WR1A to EMSD		item			
m.	Preparation and Submission of Form FS314A and FS251 to FSD		item			
n.	Preparation and Submission Application Form for Tariff Meter Application and Connection of Tariff Meter and Current Transformer		item			
o.	Connection of Tenant's Electrical Installation to Base Building Electrical Distribution System		item			
p.	Provision of all Necessary Maintenance Services Commencing from Completion of Installation up to Expiry of DLP		item			

Carried to Summary of Section B.11 (HKS)

Item	Description	QTY	Unit	Supply Rate (HKS)	Installation Rate (HKS)	Amount(HKS)
	<p><u>SCHEDULE NO. 13</u> ELECTRICAL INSTALLATION</p>					
B.8	Miscellaneous Works					
q.	Other (Please Specify)					

Carried to Summary of Section B.10 (HKS)

Item	Description	QTY	Unit	Supply Rate (HKS)	Installation Rate (HKS)	Amount(HKS)
	<p><u>SCHEDULE NO. 13</u> ELECTRICAL INSTALLATION</p> <p><u>SUMMARY OF SECTION</u> <u>Electrical & ELV Installation</u></p> <p>B.8 Miscellaneous Works</p> <p>From page S1 / 33</p> <p>From page S1 / 34</p>					
Carried to Collection (HKS)						

Item	Description	Amount(HKS)
<p><u>SCHEDULE NO. 13</u> ELECTRICAL INSTALLATION</p>		
<p><u>COLLECTION</u></p>		
		Page
B	<u>Electrical & ELV Installation</u>	
B.1	Switchgears	S1 / 8
B.2	Cables and Wirings	S1 / 12
B.3	Cable Containments and Wiring Accessories for Power Distribution System	S1 / 18
B.4	Lightings and Lighting Control System	S1 / 21
B.5	Earthing and Equipotential Bonding System	S1 / 24
B.6	Cable Containments and Wiring Accessories for IT, AV, Security, CABD, BMS and E	S1 / 29
B.7	CABD System	S1 / 32
B.10	Miscellaneous Works	S1 / 35

Item	Description	QTY	Unit	Supply Rate (HK\$)	Installation Rate (HK\$)	Amount(HK\$)
	Schedule No. 14 Heating, Ventilation and Air-Conditioning					
A.	<u>HVAC & BMS Installations</u>					
A.1	Installation of Air Conditioning Equipment c/w Vibration Mount and Hoisting					
a.	VAV Box without fan assisted, 200 L/s Install completely factory assembled and shall include the modulating damper with associated controller, air flow measuring station, attenuator, multi-outlet octopus box, electric heater and removable covers at the underside & accessories, as described. Incorporation of the expenses related to delivery, accessories, attendance, and coordination within the installation cost is permissible.					
	VAV		no.			
b.	VAV Box without fan assisted, 200 L/s Relocate completely factory assembled and shall include the modulating damper with associated controller, air flow measuring station, attenuator, multi-outlet octopus box, electric heater and removable covers at the underside & accessories, as described. Incorporation of the expenses related to delivery, accessories, attendance, and coordination within the installation cost is permissible.					
	VAV		no.			
c.	VAV Box without fan assisted, 200 L/s Dismantle and return completely factory assembled and shall include damper with associated controller, air flow measuring station, the modulating attenuator, multi-outlet octopus box, electric heater and removable covers at the underside & accessories in good condition. Incorporation of the expenses related to delivery, accessories, attendance, and coordination within the installation cost is permissible.					
	VAV		no.			
d.	Supply and Installation of Air Conditioning Equipment c/w Vibration Mount and Hoisting Ventilation Fan comprising all detailed components including wire mesh flexible flanged duct connections and where necessary layers of lead impregnated vinyl cloth & accessories, as described					
	EAF-L1-06		no.			
e.	Dismantle existing ventilation fans and associated wiring, ductwork and control EAF-L1-06					
	EAF-L1-06		no.			
f.	Other item Required by Tenderer					

Carried to Summary of Section A.1 (HK\$)

Item	Description	QTY	Unit	Supply Rate (HK\$)	Installation Rate (HK\$)	Amount(HK\$)
	Schedule No. 14 Heating, Ventilation and Air-Conditioning					
A.2	Supply and Installation of Air Distribution System					
a.	Galvanized steel sheet metal duct and fittings c/w splitter damper, VCD, and supports to specification standard					
	0.6 mm		m2			
	0.8 mm		m2			
	1.0 mm		m2			
	1.2 mm		m2			
	<u>Diameter (mm)</u> (Please specify)					
	150 mm		m			
	200 mm		m			
b.	Flexible air duct and fittings c/w VCD and supports to specification standard					
	<u>Diameter (mm)</u> (Please specify)					
	150 mm		m			
	200 mm		m			
c.	Air boot serving linear diffuser c/w 25mm thick internal fibreglass Insulation (Density: 32kg/cu. m):					
	<u>Size (mm)</u>					
			nr			
			nr			
			nr			
			nr			

Carried to Summary of Section A.2 (HK\$)

MAIN CONTRACT FOR FITTING-OUT WORKS TO
THE FIRST FLOOR OF CUHK MEDICAL CENTRE

Schedule No. 14
Heating, Ventilation and Air-Conditioning

Item	Description	QTY	Unit	Supply Rate (HK\$)	Installation Rate (HK\$)	Amount(HK\$)
	Schedule No. 14 Heating, Ventilation and Air-Conditioning					
A.2	Supply and Installation of Air Distribution System (Cont'd)					
d.	45 deg deflection air grille c/w integral filter mounting frame & quick release for hinged filter access					
	<u>Size (mm)</u>					
	300 x 300		nr			
	600 x 600		nr			
	600 x 1200		nr			
e.	Single Deflection Air Grille c/w VCD					
	<u>Size (mm)</u>					
	300 x 300		nr			
	600 x 600		nr			
	600 x 1200		nr			
f.	Double Deflection Air Grille c/w VCD					
	<u>Size (mm)</u>					
	300 x 300		nr			
	600 x 600		nr			
	600 x 1200		nr			

Carried to Summary of Section A.2 (HK\$)

MAIN CONTRACT FOR FITTING-OUT WORKS TO
THE FIRST FLOOR OF CUHK MEDICAL CENTRE

Schedule No. 14
Heating, Ventilation and Air-Conditioning

Item	Description	QTY	Unit	Supply Rate (HK\$)	Installation Rate (HK\$)	Amount(HK\$)
	Schedule No. 14 Heating, Ventilation and Air-Conditioning					
A.2	Supply and Installation of Air Distribution System (Cont'd)					
g.	Linear Bar Type Air Diffuser:					
	<u>Size (mm)</u>					
	100 mm		m			
	125 mm		m			
	150 mm		m			
	200 mm		m			
	250 mm		m			
h.	Square/ Rectangular Diffuser c/w VCD					
	<u>Size (mm)</u>					
	300 x 300		nr			
	600 x 600		nr			
	600 x 1200		nr			
i.	Square/ Rectangular Air Grille c/w VCD					
	<u>Size (mm)</u>					
	1000 x 1000		nr			
	400 x 300		nr			
	300 x 300		nr			
	600 x 600		nr			
	600 x 1200		nr			
j.	Slot Type Air Diffuser:					
	<u>Size (mm)</u>					
	100 mm		m			
	125 mm		m			
	150 mm		m			
	200 mm		m			
	250 mm		m			
k.	Other Type of air grille/ diffuser required by Tenderer					
	<u>Size (mm)</u>					
			nr			
			nr			
			m			
			m			

Carried to Summary of Section A.2 (HK\$)

Item	Description	QTY	Unit	Supply Rate (HK\$)	Installation Rate (HK\$)	Amount(HK\$)
	Schedule No. 14 Heating, Ventilation and Air-Conditioning					
A.2	Supply and Installation of Air Distribution System (Cont'd)					
1.	Opposed Blade Volume Control Damper					
	<u>Size (mm)</u>		nr			
			nr			
			nr			
			nr			
m.	Non-Return Damper					
	<u>Size (mm)</u>		nr			
			nr			
			nr			
			nr			
o.	Air duct Access Panel					
	<u>Size (mm)</u>		nr			
	600 x 600		nr			
			nr			
			nr			
			nr			
			nr			

Carried to Summary of Section A.2 (HK\$)

Item	Description	QTY	Unit	Supply Rate (HK\$)	Installation Rate (HK\$)	Amount(HK\$)
	Schedule No. 14 Heating, Ventilation and Air-Conditioning					
A.2	Supply and Installation of Air Distribution System (Cont'd)					
q.	2 hours/ 4 hours Fire Damper :					
	Blade Type with Fusible Link					
	<u>Size (mm)</u>		nr			
			nr			
			nr			
	Curtain Type with Fusible Link					
	<u>Size (mm)</u>		nr			
			nr			
			nr			
	Blade Type with Electro-Thermal Link					
	<u>Size (mm)</u>		nr			
			nr			
			nr			
	Curtain Type with Electro-Thermal Link					
	<u>Size (mm)</u>		nr			
			nr			
			nr			
	Motorized Fire & Smoke Damper					
	<u>Size (mm)</u>		nr			
			nr			
			nr			
	Motorized on-off Damper					
	<u>Size (mm)</u>		nr			
			nr			
			nr			
	Motorized modulating Damper					
	<u>Size (mm)</u>		nr			
			nr			
			nr			

Carried to Summary of Section A.2 (HK\$)

Item	Description	QTY	Unit	Supply Rate (HK\$)	Installation Rate (HK\$)	Amount(HK\$)
	<p><u>Schedule No. 14</u> Heating, Ventilation and Air-Conditioning</p> <p><u>SUMMARY OF SECTION</u> -</p>					
A.2	<p>Supply and Installation of Air Distribution System</p> <p>From page S1 / 3</p> <p>From page S1 / 4</p> <p>From page S1 / 5</p> <p>From page S1 / 6</p> <p>From page S1 / 7</p>					
Carried to Collection (HK\$)						

Item	Description	QTY	Unit	Supply Rate (HK\$)	Installation Rate (HK\$)	Amount(HK\$)
	Schedule No. 14 Heating, Ventilation and Air-Conditioning					
A.2	Supply and Installation of Pipe and Duct Insulation and pipeworks					
a.	Thermal Insulation for air duct c/w factory applied aluminum foil					
	- 25mm thick external (density: 32kg/m3)		m2			
	- 50mm thick external (density: 32kg/m3)		m2			
	- 80mm thick external (density: 32kg/m3)		m2			
	- 100mm thick external (density: 32kg/m3)		m2			
	- 25mm thick internal lining (density: 32kg/m3)		m2			
	- 50mm thick closed cell elastomeric insulation		m2			
	- 80mm thick closed cell elastomeric insulation		m2			
	- 100mm thick closed cell elastomeric insulation		m2			
b.	Flexible closed cell elastomeric insulation for equipment, valves and accessories		m2			
c.	Thermal Insulation for chilled water pipe					
	20 mm Diameter		m			
	25 mm Diameter		m			
	32 mm Diameter		m			
	40 mm Diameter		m			
	50 mm Diameter		m			
	65 mm Diameter		m			
	80 mm Diameter		m			
	100 mm Diameter		m			
	125 mm Diameter		m			
d.	Black carbon steel piping fittings, fixings & accessories :-					
	Pipe size					
	20 mm Diameter		m			
	25 mm Diameter		m			
	32 mm Diameter		m			
	40 mm Diameter		m			
	50 mm Diameter		m			
	65 mm Diameter		m			
	80 mm Diameter		m			
	100 mm Diameter		m			
	125 mm Diameter		m			
e.	Globe valve :-					
	20 mm Diameter		No.			
	25 mm Diameter		No.			
	32 mm Diameter		No.			
	40 mm Diameter		No.			
f.	Double regulating valve w/ tapping points :-					
	20 mm Diameter		No.			
	25 mm Diameter		No.			
	32 mm Diameter		No.			
	40 mm Diameter		No.			
	50 mm Diameter		No.			

Carried to Summary of Section A.3 (HK\$)

Item	Description	QTY	Unit	Supply Rate (HK\$)	Installation Rate (HK\$)	Amount(HK\$)
	Schedule No. 14 Heating, Ventilation and Air-Conditioning					
A.3	Supply and Installation of Pipe and Duct Insulation and pipeworks(Cont'd)					
g.	G.I. condensate drain pipes and fittings fixings :- 20 mm Diameter 25 mm Diameter 32 mm Diameter 40 mm Diameter		m m m m			
h	Condensate drain pump		no.			
i.	Automatic balancing modulating control valve:- 20 mm Diameter 25 mm Diameter 32 mm Diameter 40 mm Diameter 50 mm Diameter		no. no. no. no. no.			
i.	2-way modulating control valve:- 20 mm Diameter 25 mm Diameter 32 mm Diameter 40 mm Diameter 50 mm Diameter		no. no. no. no. no.			
j.	Other item required by Tenderer					

Carried to Summary of Section A.3 (HK\$)

Item	Description	QTY	Unit	Supply Rate (HK\$)	Installation Rate (HK\$)	Amount(HK\$)
A.3	<p>Schedule No. 14 Heating, Ventilation and Air-Conditioning</p> <p>SUMMARY OF SECTION -</p> <p>Supply and Installation of Pipe and Duct Insulation</p> <p>From page S1 / 10</p> <p>From page S1 / 11</p>					
					Carried to Collection (HK\$)	

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Item	Description	QTY	Unit	Supply Rate (HK\$)	Installation Rate (HK\$)	Amount(HK\$)
	Schedule No. 14 Heating, Ventilation and Air-Conditioning					
A.3	Supply and Installation of Electrical Power & Control System					
a.	Single Core LSOH Copper Cable (BS6004/6346)					
	1.5 m2		m			
	2.5 m2		m			
	4 m2		m			
	6 m2		m			
	10 m2		m			
	16 m2		m			
	25 m2		m			
	35 m2		m			
b.	Single Core XLPE/LSOH Fire Resistant Cable					
	1.5 m2		m			
	2.5 m2		m			
	4 m2		m			
	6 m2		m			
	10 m2		m			
	16 m2		m			
	25 m2		m			
	35 m2		m			
	50 m2		m			
c.	4 Core XLPE/LSOH Fire Resistant Cable					
	70 m2		m			
	90 m2		m			
	150 m2		m			
	240 m2		m			
d.	Metal Cable Tray					
	100mm Width		m			
	200mm Width		m			
	300mm Width		m			
e.	Single Compartment Galvanized Steel Trunking c/o Cover					
	50mmx50mm		m			
	75mmx75mm		m			
	100mmx100mm		m			

Carried to Summary of Section A.4 (HK\$)

Item	Description	QTY	Unit	Supply Rate (HK\$)	Installation Rate (HK\$)	Amount(HK\$)
	Schedule No. 14 Heating, Ventilation and Air-Conditioning					
A.4	Supply and Installation of Electrical Power & Control System (Cont'd)					
f.	G.I. Conduit (Surface) c/w Saddles					
	20mm Dia.		m			
	25mm Dia.		m			
	32mm Dia.		m			
g.	G.I. Conduit (Concealed)					
	20mm Dia.		m			
	25mm Dia.		m			
	32mm Dia.		m			
h.	Flexible G.I. Conduit c/w separate earth wire					
	20mm Dia. (w/ PVC over-sheath)		m			
	25mm Dia. (w/ PVC over-sheath)		m			
	32mm Dia. (w/ PVC over-sheath)		m			
	20mm Dia.(w/o PVC over-sheath)		m			
	25mm Dia. (w/o PVC over-sheath)		m			
	32mm Dia. (w/o PVC over-sheath)		m			
i.	G.I. Adaptable Box c/w Cover					
	75mm x 75mm		nr			
	100mm x 100mm		nr			
	150mm x 150mm		nr			
	225mm x 150mm		nr			
	225mm x 225mm		nr			
	BS 4662 Box (35mm Deep)		nr			
	BS 4662 Box (47mm Deep)		nr			
	BESA Box, Standard		nr			
	BESA Box, Deep Pattern		nr			
j.	Local motor control panel and accessories		Set			
k.	Wall mounted switch		nr			
l.	Other item required by Tenderer					

Carried to Summary of Section A.4 (HK\$)

Item	Description	QTY	Unit	Supply Rate (HK\$)	Installation Rate (HK\$)	Amount(HK\$)
	<p><u>Schedule No. 14</u> Heating, Ventilation and Air-Conditioning</p> <p><u>SUMMARY OF SECTION</u> -</p> <p>A.3 Supply and Installation of Electrical Power & Control System</p> <p>From page S1 / 12</p> <p>From page S1 / 13</p>					
					Carried to Collection (HK\$)	

Item	Description	QTY	Unit	Supply Rate (HK\$)	Installation Rate (HK\$)	Amount(HK\$)
	Schedule No. 14 Heating, Ventilation and Air-Conditioning					
A.4	Supply and Installation of Automatic Control System					
a.	Control assembly for motorized on-off air damper c/w actuator, all necessary electrical and control accessories		nr			
b.	Supply and installation of wall mounted temperature sensor c/w all necessary electrical, control wiring and accessories		nr			
c.	Supply and installation of ceiling mounted temperature sensor c/w all necessary electrical, control wiring and accessories		nr			
e.	Interfacing and coordination works with other Contractors for the control system of entire HVAC installation as described in the specification.		item			
i.	Other item required by Tender		nr			
				Carried to Summary of Section A.5 (HK\$)		

Item	Description	QTY	Unit	Supply Rate (HK\$)	Installation Rate (HK\$)	Amount(HK\$)
	<p><u>Schedule No. 14</u> Heating, Ventilation and Air-Conditioning</p> <p><u>SUMMARY OF SECTION</u> -</p> <p>A.4 Supply and Installation of Automatic Control System</p> <p>From page S1 / 15</p>					
					Carried to Collection (HK\$)	

Item	Description	QTY	Unit	Supply Rate (HK\$)	Installation Rate (HK\$)	Amount(HK\$)
	Schedule No. 14					
	Heating, Ventilation and Air-Conditioning					
	<u>SUMMARY OF SECTION</u>					
	-					
A.6	Design, Supply and Installation of BMS System					
a.	POT		nr			
b.	Color Monitors		nr			
c.	Data Switches		nr			
d.	Twisted Pair Cables		nr			
e.	UTP Cat. 5E Cables		nr			
f.	Relays		nr			
g.	220V/24V Transformer		nr			
h.	Network Interface Controllers		nr			
i.	Cabinet/ Junction Boxes		nr			
j.	Transducers / Interfacing Panels		nr			
k.	UPS		nr			
				Carried to Summary of Section A.6 (HK\$)		

Item	Description	QTY	Unit	Supply Rate (HK\$)	Installation Rate (HK\$)	Amount(HK\$)
	Schedule No. 14 Heating, Ventilation and Air-Conditioning					
A.6	Design, Supply and Installation of BMS System (Cont'd)					
1.	BMS input/ output points					
	Digital Point		nr			
	Analogue Point		nr			
m.	Provide / allow BMS interface for office		item			
n.	Update the existing landlord BMS system for modification / integration of office		item			
o.	Other item required by Tenderer		item			
Carried to Summary of Section A.6 (HK\$)						

Item	Description	QTY	Unit	Supply Rate (HK\$)	Installation Rate (HK\$)	Amount(HK\$)
	<p>Schedule No. 14 Heating, Ventilation and Air-Conditioning</p> <p>SUMMARY OF SECTION -</p> <p>A.6 Design, Supply and Installation of BMS System</p> <p>From page S1 / 17</p> <p>From page S1 / 18</p>					
					Carried to Collection (HK\$)	

Item	Description	QTY	Unit	Supply Rate (HK\$)	Installation Rate (HK\$)	Amount(HK\$)
	Schedule No. 14 Heating, Ventilation and Air-Conditioning					
A.7	Supply and Installation of Acoustic Treatment					
a.	Silencer					
	<u>Size</u> (Please specify)		nr			
			nr			
			nr			
			nr			
			nr			
			nr			
b.	Cross talk Silencer					
	<u>Size</u> (Please specify)					
	400 x 900 x 200		nr			
	750 x 900 x 200		nr			
	1050 x 900 x 200		nr			
	Others, please specify		nr			
			nr			
c.	Internal Acoustic Lining for Air Ductwork		m2			
d.	Duct laggin		m2			
d.	Other item required by Tenderer (Please specify)					

Carried to Summary of Section A.7 (HK\$)

Item	Description	QTY	Unit	Supply Rate (HK\$)	Installation Rate (HK\$)	Amount(HK\$)
	<p>Schedule No. 14 Heating, Ventilation and Air-Conditioning</p> <p><u>SUMMARY OF SECTION</u> -</p> <p>A.7 Supply and Installation of Acoustic Treatment</p> <p>From page S1 / 21</p>					
					Carried to Collection (HK\$)	

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Item	Description	QTY	Unit	Supply Rate (HK\$)	Installation Rate (HK\$)	Amount(HK\$)
	Schedule No. 14 Heating, Ventilation and Air-Conditioning					
A.8	HVAC Miscellaneous Works					
a.	Testing & Commissioning		item			
b.	Shop Drawing, catalogue and material submission		item			
c.	Samples		item			
d.	Identification painting and labels includes description and directional Sign)		item			
e.	Provide sleeves and Sealing works for services openings inside sleeves		item			
f.	Providing necessary protection of the system to ensure no deterioration arises prior to commissioning and acceptance tests		item			
g.	Providing Earthing for HVAC installations to nearest earthing terminals		item			
h.	As-built Drawings		item			
i.	Operation & Maintenance manual		item			
j.	Providing instruction, training for each HVAC system		item			
k.	Providing instruction, software demonstration and training for BMS system & HVAC system		item			
l.	Spare parts, test kits & relevant tools		item			
m.	Submission of drawing, document and equipment to Government Authorities and utilities and arranging the Government Authorities and utilities for inspection and connection including all the fees required.		item			
n.	Supply and install 1mm thick G.I. sheet painted in matt black to blank off or to cover all the dummy linear diffusers (not include RAG for ceiling return).		item			

Carried to Summary of Section A.8 (HK\$)

MAIN CONTRACT FOR FITTING-OUT WORKS TO
THE FIRST FLOOR OF CUHK MEDICAL CENTRE

Schedule No. 14
Heating, Ventilation and Air-Conditioning

Item	Description	QTY	Unit	Supply Rate (HK\$)	Installation Rate (HK\$)	Amount(HK\$)
	Schedule No. 14 Heating, Ventilation and Air-Conditioning					
A.8	HVAC Miscellaneous Works (Cont'd)					
p.	Issuance of Ventilation Certificate		item			
q.	All cost of temporary provision for phasing requirements		item			
r.	Submission to FMO including all necessary drawings, forms, etc.		item			
s.	Necessary work to meet Building Management Office requirement		item			
t.	All works not stated above but deemed necessary by the Contractor to complete whole of the assigned item by item. If none is inserted, no future claim shall be entertained and the Contractor has to complete all works accordingly whether mentioned or not at this own expenses.		item			
u.	Complete all necessary submission and application to FSD for approval					
v.	Spare G.I. conduit Spare G.I. junction box with PVC cover		item item			
w.	Prepare comprehensive site survey report on all kept existing services from PAU/AHU to/through office, and replacement works (replace with new) for those materials are malfunction/ deterioration.		item			
x.	Air tightness test at store room 01		item			
y.	All necessary modification and diversion works for existing air duct to suit new interior design / services installation.		item			
z.	Allow cost for diffuser calibration, Indoor air Quality (IAQ) Measurement and Lab Test Report		item			
aa.	All necessary document for LEED/WELL/BEEO/BEC submission					
ab.	Other (Please specify)					

Carried to Summary of Section A.8 (HK\$)

Item	Description	QTY	Unit	Supply Rate (HK\$)	Installation Rate (HK\$)	Amount(HK\$)
A.8	<p>Schedule No. 14 Heating, Ventilation and Air-Conditioning</p> <p>SUMMARY OF SECTION -</p> <p>HVAC Miscellaneous Works</p> <p>From page S1 / 22</p> <p>From page S1 / 23</p>					
					Carried to Collection (HK\$)	

Item	Description	QTY	Unit	Supply Amount (HK\$)	Installation Amount (HK\$)	Amount(HK\$)
	SCHEDULE NO. 15					
	FIRE SERVICES INSTALLATION					
C.	<u>Fire Services Installation</u>					
C.1	Automatic Sprinkler System					
a.	Galvanised mild steel pipe (Class B), Medium grade including sleeves, flanges, hangers, fittings, supports, painting and all accessories etc. as specified :-					
	150 mm dia.		m			
	100 mm dia.		m			
	80 mm dia.		m			
	65 mm dia.		m			
	50 mm dia.		m			
	40 mm dia.		m			
	32 mm dia.		m			
	25 mm dia.		m			
b.	Sprinkler heads :-					
	68 °C sprinkler head (chrome plate quartzoid bulb spray type)		nr			
	68 °C sprinkler head (chrome plate quartzoid bulb conventional type)		nr			
	68 °C sprinkler head (chrome plate quartzoid bulb spray type completed with Escutcheon plate)		nr			
	68 °C sprinkler head (concealed type)		nr			
c.	Dismantle of existing sprinkler head including associated pipework and fitting, etc.		lot			
d.	Draining and refilling of the existing sprinkler installation for the diversion, modification and installation of the existing Sprinkler System		lot			
e.	Flow Switch		nr			
f.	Subsidiary valve with electrical monitoring switch					
	150 mm dia.		nr			
	100 mm dia.		nr			
g.	Test & drain assembly (component)		nr			
	Other items required by the Tenderer (please specify)					

Carried to Summary of Section C.1 (HK\$)

Item	Description	QTY	Unit	Supply Amount (HK\$)	Installation Amount (HK\$)	Amount(HK\$)
	<p><u>SCHEDULE NO. 15</u> FIRE SERVICES INSTALLATION</p> <p><u>SUMMARY OF SECTION</u> <u>Fire Services Installation</u></p> <p>C.1 <u>Automatic Sprinkler System</u></p> <p>From page S1 / 1</p>					
					Carried to Collection (HK\$)	

Item	Description	QTY	Unit	Supply Amount (HK\$)	Installation Amount (HK\$)	Amount(HK\$)
	SCHEDULE NO. 15					
	FIRE SERVICES INSTALLATION					
C.	<u>Fire Services Installation</u>					
C.2	Fire Hydrant & Hose Reel System					
a.	Galvanised mild steel pipe (Class B), Medium grade including sleeves, flanges, hangers, fittings, supports, painting and all accessories etc. as specified :- 50 mm dia. 32 mm dia.		m m			
b.	Hose reel sets c/w hose reel nozzle, front glass lockable nozzle box, metal striker and all necessary accessories as specified Recessed type Fixed type		nr nr			
c.	Hose reel nozzle cabinet		nr			
d.	Hose reel operation notice plate		nr			
e.	Draining and refilling of the existing fire hydrant & hose reel installation for the diversion, modification and installation of the existing Fire Hydrant & Hose Reel System		lot			
	Other items required by the Tenderer (please specify)					

Carried to Summary of Section C.2 (HK\$)

Item	Description	QTY	Unit	Supply Amount (HK\$)	Installation Amount (HK\$)	Amount(HK\$)
	<p><u>SCHEDULE NO. 15</u> FIRE SERVICES INSTALLATION</p> <p><u>SUMMARY OF SECTION</u> <u>Fire Services Installation</u></p> <p>C.2 <u>Fire Hydrant & Hose Reel System</u></p> <p>From page S1 / 3</p>					
					Carried to Collection (HK\$)	

Item	Description	QTY	Unit	Supply Amount (HK\$)	Installation Amount (HK\$)	Amount(HK\$)
	SCHEDULE NO. 15					
	FIRE SERVICES INSTALLATION					
C.	<u>Fire Services Installation</u>					
C.3	Automatic & Manual Fire Alarm System					
a.	Smoke detector		nr			
b.	Remote Indicator for smoke detector		nr			
c.	Control module		nr			
d.	Monitor module		nr			
e.	Fault isolator module		nr			
f.	Breakglass unit (Manual call point)		nr			
g.	Alarm bell		nr			
i.	Battery and charger unit for alarm bell		Set			
j.	Electrical power and control circuits including trunking, cable trays, conduits, cable and all necessary accessories from F.S. sub-panel					
	1) To smoke detector		nr			
	2) To Battery and charger unit for alarm bell		nr			
	3) To electrical door lock system		nr			
k.	Electrical power and control circuits including trunking, cable trays, conduits, cable and all necessary accessories for the inter-linked of the existing fire alarm control panel and new F.S. sub-panel		lot			
	Other items required by the Tenderer (please specify)					

Item	Description	QTY	Unit	Supply Amount (HK\$)	Installation Amount (HK\$)	Amount(HK\$)
	<p><u>SCHEDULE NO. 15</u> FIRE SERVICES INSTALLATION</p> <p><u>SUMMARY OF SECTION</u> <u>Fire Services Installation</u></p> <p>C.3 <u>Automatic & Manual Fire Alarm System</u></p> <p>From page S1 / 5</p>					
					Carried to Collection (HK\$)	

Item	Description	QTY	Unit	Supply Amount (HK\$)	Installation Amount (HK\$)	Amount(HK\$)
	<p><u>SCHEDULE NO. 15</u> FIRE SERVICES INSTALLATION</p> <p>C. <u>Fire Services Installation</u></p> <p>C.4 <u>Others</u></p> <p>a. Provision of painting and labelling as specified</p> <p>b. Submission of drawings, document and equipment to Government Authorities and utilities for approval and endorsement (including form 314A, 251)</p> <p>c. Submission of drawing, document and equipment to Government Authorities and utilities for satisfactory completion of the project (including F.S., W.S.D. & O.P. inspection).</p> <p>d. Submission of drawing, document and equipment to Government Authorities and utilities and arranging the Government Authorities and utilities for inspection and connection including all the fees required.</p> <p>e. Provision of testing, commissioning, adjusting and handing over the complete installation.</p> <p>f. Provision of working drawings.</p> <p>g. Provision of as-built drawings and O & M manual.</p> <p>h. Provide plug-off for existing sprinkler pipe</p> <p>i. Allow all cost for attendance of existing maintenance contractor for all fire services system suspension</p> <p>Other items required by the Tenderer (please specify)</p>					

Carried to Summary of Section C.5 (HK\$)

Item	Description	QTY	Unit	Supply Amount (HK\$)	Installation Amount (HK\$)	Amount(HK\$)
	<p><u>SCHEDULE NO. 15</u> FIRE SERVICES INSTALLATION</p> <p><u>SUMMARY OF SECTION</u> <u>Fire Services Installation</u></p> <p>C.4 <u>Other</u> From page S1 /7</p>					
					Carried to Collection (HK\$)	

Item	Description	Amount(HKS)
<p><u>SCHEDULE NO. 15</u> FIRE SERVICES INSTALLATION</p>		
<p><u>COLLECTION</u></p>		
		Page
C	<u>Fire Services Installation</u>	
C.1	Automatic Sprinkler System	S1 / 2
C.2	Fire Hydrant & Hose Reel System	S1 / 4
C.3	Automatic & Manual Fire Alarm System	S1 / 6
C.5	Others	S1 / 8

Item	Description	QTY	Unit	Supply Rate (HKS)	Installation Rate (HKS)	Amount(HKS)
	<u>SCHEDULE NO. 1</u> MEDICAL GAS INSTALLATION					
E.	<u>Medical Gas</u>					
E.1	Medical gas pipework c/w all necessary accessories Degreased pipework of solid drawn, seamless, phosphorous de-oxidized, non-arsenical copper to BS EN 1412, Grade CW024A in metric and BS EN 13348 to suit HTM 02-01's requiremen 28 mm dia. 42 mm dia.		m m			
E.2	Oxygen terminal unit for treatment room to HTM 02-01 and BS EN ISO 9170-1 accepting probes to BS 5682 Wall mounted type		no.			
E.3	Medical vacuum terminal unit to HTM 02-01 and BS EN ISO 9170-1 accepting probes to BS 5682 Wall mounted type		no.			
E.4	Pressure regulating valve 22 mm dia. 28 mm dia. 35 mm dia. 42 mm dia.		no. no. no. no.			
E.5	Area Valve Service Unit (AVSU)		no.			
E.6	Any modification work related to medical gas Alarm panel CCMS interface other associated necessities		lot. lot. lot.			
E.7	Test & Commissioning for existing and new installation with all accosicated necessities work.		lot.			

Carried to Summary of Section E (HKS)

**Fitting Out Works to Eye Centre on
The First Floor of CUHK Medical Centre
Schedule of Rates and Quantities**

Ref	Item	Quantity	Unit	Rate	Total
	<p style="text-align: center;"><u>Schedule No. 17</u> <u>Builder's Works In Connection</u></p> <p>[The Tenderer is required to provide detailed cost breakdown for the works for tender assessment and post-contract valuation of the works.]</p>				
	Carried to Summary of Tender				

**Fitting Out Works to Eye Centre on
The First Floor of CUHK Medical Centre
Schedule of Rates and Quantities**

Ref	Item	Quantity	Unit	Rate	Total
	<p style="text-align: center;"><u>Schedule No. 18</u> <u>Sundries and Others</u></p> <p>[The Tenderer is required to provide detailed cost breakdown for the works for tender assessment and post-contract valuation of the works.]</p>				
Carried to Summary of Tender					

**Fitting Out Works to Eye Centre on
The First Floor of CUHK Medical Centre
Summary of Tender**

Ref	Item	Total
	<p style="text-align: center;"><u>Schedule No. 19</u> <u>Provisional Sums</u></p> <p><u>Provisional Sums to be expended in part or in whole as directed by the Architect or wholly deducted from the Contract Sum if not required.</u></p> <p>1 Allow a provisional sum of HK\$500,000.00 for design development</p>	500,000.00
	Carried to Summary of Tender	500,000.00

Item	Description	QTY	Unit	Supply Rate (HKS)	Installation Rate (HKS)	Amount(HKS)
	<u>OPTIONAL ITEM</u>					
OI.1	<u>Medical Gas</u>					
1	Medical gas pipework for OT & recovery bed area c/w all necessary accessories Degreased pipework of solid drawn, seamless, phosphorous de-oxidized, non-arsenical copper to BS EN 1412, Grade CW024A in metric and BS EN 13348 to suit HTM 02-01's requiremen 28 mm dia. 42 mm dia.		m m			
2	Medical air terminal unit to HTM 02-01 and BS EN ISO 9170-1 accepting probes to BS 5682 Wall mounted type Bedhead rail type					
3	Surgical air terminal unit to HTM 02-01 and BS EN ISO 9170-1 accepting probes to BS 5682 Wall mounted type					
3	Pressure regulating valve 22 mm dia. 28 mm dia. 35 mm dia. 42 mm dia.		no. no. no.			
4	Area Valve Service Unit (AVSU)		no.			
5	Any modification work related to medical gas Alarm panel CCMS interface other associated necessities		no. no. no.			
6	Test & Commissioning for existing and new installation with all accosicated necessities work.		no.			

Carried to Summary (HKS)

Item	Description	QTY	Unit	Supply Rate (HK\$)	Installation Rate (HK\$)	Amount(HK\$)
	<u>OPTIONAL ITEM</u>					
	<u>OPTIONAL ITEM</u>					
OI.2	<u>ANAESTHETIC GAS SCAVENGING SYSTEM</u>					
1	Degreased pipework of solid drawn, seamless, phosphorous de-oxidized, non-arsenical copper to BS EN 1412, Grade CW024A in metric and BS EN 13348 to suit HTM 02-01's requirement and fitting to BS EN ISO 7396-2, BS EN ISO 9170-2, CEN/TC prEN 737 and HTM 02-01:-					
	28 mm diameter		m			
	32 mm diameter		m			
2	Supply and installation of the following Active Anaesthetic Gas Scavenging System, c/w all associated accessories to form on operable systems to BS EN ISO 7396-2, BS EN ISO 9170-2, BS EN 60601-2-13, BS EN ISO 8835-2, 4 and 5CEN/TC prEN 737 and HTM 02-01 :-					
	AGSS terminal outlets		no.			
	control panel		no.			
	other associated necessities		lot			
3	Any modification work related to active anaesthetic gas scavenging system					
	Alarm panel		lot.			
	CCMS interface		lot.			
	other associated necessities		lot.			
4	Test & Commissioning for existing and new installation with all associated necessities work.		lot.			
OI.3	<u>Pneumatic tube systems (PTS)</u>					
1	Pneumatic Tube Station c/w all associated accessories to form on operable systems to HTM2009 :-		lot.			
2	Pneumatic Tube c/w all associated accessories to form on operable systems to HTM2009 :-					
	160 mm diameter		m			
3	Any modification work related to PTS					
	Alarm panel		lot.			
	CCMS interface		lot.			
	other associated necessities		lot.			
4	Slab Opening to suit the new layout		lot.			
5	Test & Commissioning for existing and new installation with all associated necessities work.		lot.			

Carried to Collection (HK\$)

Item	Description	Amount(HKS)
	<u>OPTIONAL ITEM</u>	
	<u>COLLECTION</u>	
		Page
OI.1	<u>Medical Gas</u>	S1/1
OI.2	<u>ANAESTHETIC GAS SCAVENGING SYSTEM</u>	S1/2
OI.3	<u>Pneumatic tube systems (PTS)</u>	S1/2

Carried to Summary of Optional Item (HKS)