

Schedule 4 - ELV System

4.1 AV System

Item	Code	Description	Qty	Unit	Unit Price	Amount (HK\$)
		<u>AV System</u>				
1		<u>Supply and install AV system for IANG office c/w all cables, connectors and any necessary accessories</u>				
a		WXGA,3800 ANSI, H & V KEYSTONE LCD Projector c/w remote		no(s).		
b		Projector Ceiling Mount Bracket		no(s).		
c		45" X 96" Dia. 16:9 Projector Screen		no(s).		
d		52" X 106" Dia. 16:9 Projector Screen		no(s).		
e		wall mounted On/Off switch for Project Screen		no(s).		
f		Dm Lite – HDMI® Over Catx Transmitter		no(s).		
g		Dm Lite – HDMI® Over Catx Receiver		no(s).		
h		HDMI Splitter (1 In 4 Out)		no(s).		
i		Digital Mixer Power Amplifier, 240W		no(s).		
j		4" 2-Way In-Ceiling Speaker, White Textured		no(s).		
k		Wireless System with BETA®87A Handheld Transmitters		no(s).		
l		¼ Wave Dipole Antenna		no(s).		
m		22U Equipment Rack(600 X 600) Black Color		no(s).		
2		<u>Supply and install AV system for Open Area c/w all cables, connectors and any necessary accessories</u>				
a		86" 4k UHD Commercial Display		no(s).		
b		Wall Mount Bracket		no(s).		
c		Dm Lite – HDMI® Over Catx Transmitter		no(s).		
d		Dm Lite – HDMI® Over Catx Receiver		no(s).		
3		<u>Supply and install Audio system for Open Area c/w all cables, connectors, any necessary accessories, set-up and programming [Optional Items]</u>				
a		Digital Mixer Power Amplifier, 240W		no(s).		
b		Bluetooth Transmitter		no(s).		
c		4" 2-Way In-Ceiling Speaker, White Textured		no(s).		
d		Cabling connection the Commercial Display and Amplifier		no(s).		
4		<u>Supply and install AV system for VIP room 4 c/w all cables, connectors and any necessary accessories</u>				
a		65" 4k UHD Commercial TV		no(s).		
b		Wall Mount Bracket		no(s).		
c		Dm Lite – HDMI® Over Catx Transmitter		no(s).		
d		Dm Lite – HDMI® Over Catx Receiver		no(s).		
5		<u>Supply and install Room Panel for VIP room 1 to 4 c/w all cables, connectors, any necessary accessories, set-up and programming [Optional Items]</u>				
a		IPAD 9TH Genration		no(s).		
b		IPOINT - Surface Mount System		no(s).		

Schedule 4 - ELV System
4.1 AV System

Item	Code	Description	Qty	Unit	Unit Price	Amount (HK\$)
6		Overall Project Management and Professional Services				
a		System and Hardware set-up, configuration inclusive of all displays / mounting, repositioning and adjustment of all equipment based on the confirmed items of AV system		sum		
b		Engineering & programming fee for the all System based on the confirmed items of AV system inclusive of modifications & changes to handover		sum		
c		Testing and Commissioning for complete AV System based on the confirmed items of AV system and pre-approved submission of Testing & Commissioning forms, procedures & test criteria		sum		
d		Project Management Service to cover for the duration of the project including: - managing of the delivery & implementation of the project - Project status and site progress updates - managing of the project timeline against key milestones - attendance of progress meeting - coordination with project team, designer, & related trades		sum		
e		As-Built Documentation (in ACAD format) including all schematics, system programming, and layout plans. Full set document inclusive of O&M Manuals, User Guides, Product Catalogs)		sum		
f		User Training for 2 sessions including general User Training and Operational Training for support team		sum		
7		Those items (if any) not mentioned above but necessary for completion the whole system properly under the intent of the Works (Please specified).				
		Remark: Tenderer/ Contractor should check and include hereunder any other outstanding items and works in accordance with the drawings, specifications, site visit, etc. for complete tender. NO CLAIMS relating to the works will be allowed afterward				
					Sub-total of Schedule 4.1 :	

Schedule 4 - ELV System
4.2 Security System

Item	Code	Description	Qty	Unit	Unit Price	Amount (HK\$)
1		<u>CCTV system</u> Supply and install CCTV system (Sub-contractor list refer to Appendix 11) (Please submit the breakdown)		sum		
2		_____ % managemant and coordination fee for item 1		sum		
3		<u>Access Management Control system</u> Supply and install Access Management Control System (Sub-contractor list refer to Appendix 11) (Please submit the breakdown)		sum		
4		_____ % managemant and coordination fee for item 3		sum		
5		Supply and install Access Management Control for VIP room 1 to 4 [Optional Item] (Sub-contractor list refer to Appendix 11) (Please submit the breakdown)		sum		
6		_____ % managemant and coordination fee for item 5 [Optional Item]		sum		
		Remark: Tenderer/ Contractor should check and include hereunder any other outstanding items and works in accordance with the drawings, specifications, site visit, etc. for complete tender. NO CLAIMS relating to the works will be allowed afterward				
					Sub-total of Schedule 4.2 :	

Schedule 4 - ELV System
4.3 Telephone System

Item	Code	Description	Qty	Unit	Unit Price	Amount (HK\$)
1		<u>Telephone system</u> Supply and install telephone system (Sub-contractor list refer to Appendix 11) - Extend existing 17/F 50-pair cable to new server room - Supply and install 24 port patch panel for 50-pair cable - Supply and install phone set for reception		sum		
2		_____ % managemant and coordination fee for item 1		sum		
Remark: Tenderer/ Contractor should check and include hereunder any other outstanding items and works in accordance with the drawings, specifications, site visit, etc. for complete tender. NO CLAIMS relating to the works will be allowed afterward						
Sub-total of Schedule 4.3 :						

Schedule 4 - ELV System
4.4 IT Cabling

Item	Code	Description	Qty	Unit	Unit Price	Amount (HK\$)
		<u>Horizontal Cabling</u>				
1		Supply & Install CAT6 Horizontal Cabling System from Server Room to User Outlet Brand: Panduit - 4-pair Cat6 UTP cable - Cat6 RJ45 socket outlet, face plate and Jack - Termination, labeling, testing and commissioning are included - Data Patching is included - Voice Patching should be included by the PABX service provider - Fluke Testing Report		node(s)		
2		Panduit Cat6 Patch Panel, 24-port		no(s).		
3		Panduit 1U Cable Management Panel with Cover		no(s).		
4		Supply of Panduit Cat6 Patch Cord - 2m patch cord (for patching) - 3m patch cord (for user side) - 8inch 28AWG patch cord (for patching) - 2m 28AWG Small diameter patch cord		no(s). no(s). no(s). no(s).		
		<u>Fiber Backbone Wiring</u>				
5		Supply & install 6 core 50/125 (OM4) multimode indoor fiber x 4 - From 17/F Server room to 22/F Main Server Room - Estimate Distance : 130 meters each		m		
6		Supply and Install Fiber Patch Panel x 2 with Fiber Connector - Including fiber panel, pigtails and fiber connectors (LC Type) - 1 set for each 6 core		set		
7		Supply of Fiber Patch Cord - 2m LC to LC OM4 Fiber Patch Cord		no(s).		
		<u>Racking System and 3kVA UPS System</u>				
8		Austin Hughes Rack (Enclosed Rack) Austin Hughes (NSR) 600mm x 972 mm 42U Rack - 1000kg loading		no(s).		
9		Normal Duty Fixed Shelf - 700mm depth (S70)		set(s)		
10		Rack PDU - Type 12 Way Metal Power Bar Input: UK BS1363, Output: UK BS1363 x 12 (45/135 degree)		set(s)		
11		VERTIV 3kVA UPS Liebert GXT5 On-Line 3000VA 230V PF1.0 2U Extended Run Rack/Tower Trellis Power Insight® Software Model GXT5-3000IRT2UXL Backup Time: total 13 mins in half load		set		
12		UPS OpenComms Web Card (for SNMP & Web Management) Model: RDU-101		set		
13		Installation Service for 3kVA UPS		job		
14		Fluke Testing Report and Cabling Node Plan		job		
15		Those items (if any) not mentioned above but necessary for completion the whole system properly under the intent of the Works (Please specified).				
		Remark: Tenderer/ Contractor should check and include hereunder any other outstanding items and works in accordance with the drawings, specifications, site visit, etc. for complete tender. NO CLAIMS relating to the works will be allowed afterward				
					Sub-total of Schedule 4.4 :	