

(To be completed in duplicate)

Remark: Every item must be filled

**Specification of Whole School IPPA System**

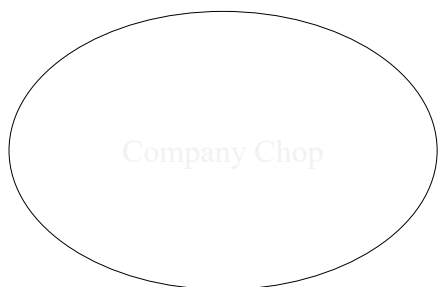
<b>Item No.</b>	<b>Description / Specification</b>	<b>Quantity required</b>	<b>Compliance? (yes/no)</b>
<b>1</b>	<b>Whole School IPPA System integrated with old existing PA System</b>	<b>1 set</b>	<b>(yes/no)</b>
	1.1 Digital IP Network Broadcasting Client Management System with necessary hardware and software.	1 set	<b>(yes/no)</b>
	1.1.1 The hardware provided by the Supplier is capable of manage all the existing PA speakers and new added IPPA POE speakers across the entire school site.		<b>(yes/no)</b>
	1.1.2 The supplier needs to set up the server including all the necessary hardware and software installation for our school.		<b>(yes/no)</b>
	1.1.3 Supports USB input and programmable scheduled bell functions.		<b>(yes/no)</b>
	1.1.4 Features remote paging, real-time monitoring, and emergency override functions.		<b>(yes/no)</b>
	1.1.5 Master control all the IPPA speaker's volume individually.		<b>(yes/no)</b>
	1.1.6 Automatic system backup, data recovery, and software update capabilities.		<b>(yes/no)</b>
	1.2 Any necessary equipment for connecting 2 existing analog PA system on School section and Boarding section back to the Digital IP Network Broadcasting Client Management System (specified in Item 1.1) e.g. Audio Input Module and IP Network Audio Adapter.	2 sets	<b>(yes/no)</b>
	1.2.1 The equipment can integrate 2 existing analog PA system into the Digital IP Network Broadcasting Client Management System (specified in Item 1.1).		<b>(yes/no)</b>
	1.2.2 After connected, the Digital IP Network Broadcasting Client Management System (specified in Item 1.1) can manage the analog PA system with pre-set program.		<b>(yes/no)</b>
	1.2.3 All the speakers from 2 old analog PA systems can sound simultaneously together with all the newly added IPPA speakers.		<b>(yes/no)</b>
	1.3 IP Network touch screen Paging Station	2 sets	<b>(yes/no)</b>

		1.3.1 Can support up to 150 zones, with single zone selection, multiple zone selection, and all zone selection.		(yes/no)
		1.3.2 The Supplier shall consult with the school to define at least 10 priority paging groups (e.g. All Zones, School Section, Boarding Section, Playground, etc).		(yes/no)
		1.3.3 Power supply type: POE.		(yes/no)
		1.4 IP POE Network Wall Mount Speaker (School Section: 58 + Boarding Section 22)	Qty :80	(yes/no)
		1.4.1 Built-in high efficiency digital amplifier, Rated power: 10W or above.		(yes/no)
		1.4.2 Support POE Power Supply.		(yes/no)
		1.4.3 Each IP Speaker must be configurable and controllable via the Digital IP Network Broadcasting Client Management System (specified in Item 1.1).		(yes/no)
		1.5 IP Network Column Speaker (School Section: 5 + Boarding Section 11)	Qty:16	(yes/no)
		1.5.1 Rated Power: 80W or above.		(yes/no)
		1.5.2 Support POE 48V Power Supply or above.		(yes/no)
		1.5.3 IP66 Waterproof or better.		(yes/no)
		1.5.4 Each IP Column Speaker must be configurable and controllable via the Digital IP Network Broadcasting Client Management System (specified in Item 1.1).		(yes/no)
2	<b>Cabling Service</b>			
		2.1 Add additional RJ45 wall socket with Category 6 (Cat 6) UTP cabling service, the Category 6 (Cat 6) UTP cable will link back to the nearest switch room.	14 jobs	(yes/no)
		2.1.1 According to the equipment list (specified in appendix 1) and school map, add corresponding number of Standard Cat 6 cable and wall-mounted RJ45 nodes for another purpose.		(yes/no)
		2.1.2 Standard Cat 6 Ethernet cables. Cable standard: 2.1.2.1 UTP 4-pair 23AWG Pure Copper Ethernet Cable, compliant with ANSI/TIA-568-C.2 and ISO/IEC 11801 standards 2.1.2.2 The cable jacket must be Low Smoke Zero Halogen (LSZH) rated for fire safety.		(yes/no)
		2.1.3 Wall-Mounted RJ45 Nodes and Containment should be in PVC materials with unique ID corresponding to the Patch Panel port in the switch room.		(yes/no)

		2.1.4 Connectivity and Routing: Every installed node must be a continuous, permanent link back to the nearest designated Switch Room and pass the Fluke DTX/DSX Channel Test with printed reports.		(yes/no)
<b>3</b>	<b>Completion and Acceptance (Delivery)</b>			
	3.1 Installation Standard			
		3.1.1 All the installation locations should follow the Necessary Equipment List (in Appendix 1) and the Whole School Map for Equipment Location (in Appendix 2).		(yes/no)
		3.1.2 Professional Installation Service (Must be completed by a qualified Hong Kong employee.)		(yes/no)
		3.1.3 Setup and Configuration (The project will be completed without affecting school's daily operation.)		(yes/no)
		3.1.4 All cables installed must be wrapped within protective conduits or tubing in visual.		(yes/no)
		3.1.5 All speakers should be installed on top of the whiteboard centered, if no whiteboard is present, install at maximum ceiling height. The Column speaker from the hall must be mounted higher than the current analog speakers and it should be oriented diagonally toward the center of the hall. In special circumstances where the above installation conditions cannot be met, the contractor/installer shall consult with the school authority about mutual agreement before adopting any alternative installation arrangement.		(yes/no)
		3.1.6 The Supplier is responsible for determining the exact quantity of cable or switches required to fulfill the entire contract. The school shall not be held liable for any shortages or project delays resulting from calculation errors; the Supplier must come and calculate by themselves. Any addition or reduction in quantities must be discussed with and approved by the school in writing before implementation.		(yes/no)
		3.1.7 The Supplier is responsible for installing the system and ensuring it is fully functional. If the Supplier determines that additional equipment is required beyond what is listed above, they must purchase and install that equipment to ensure the system works as intended.		(yes/no)
		3.1.8 The Supplier should finish all the installation work and user acceptance test before 01 Sep 2026.		(yes/no)

	3.1.9 The Supplier should provide customized manual and update the cabling diagrams and labeling for future maintenance.		(yes/no)
<b>4</b>	<b>Warranty</b>		(yes/no)
	4.1 Three-year warranty		(yes/no)
	4.2 The Supplier shall bear full responsibility for all Contractor's. All Risk insurance under this contract includes all associated costs and liabilities. The school assumes no obligation or liability in relation thereto.	1 job	(yes/no)
<b>5</b>	<b>Training</b>		
	5.1 At least 2 hours tutorial for teaching our staffs to change the setting of the school bell, use IP paging to select zone for broadcast and adjust the volume of the speakers.	1 job	(yes/no)

\*Following the receipt of tender documents, the Supplier is permitted one (1) site visit to the school premises. This visit is strictly limited to a maximum duration of two (2) hours and is intended solely for the clarification of technical requirements or site conditions.



Company Name : \_\_\_\_\_

Authorized Signature: \_\_\_\_\_

Name in Block Letter: \_\_\_\_\_

Date : \_\_\_\_\_

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