天主教伍華中學
Ng Wah Catholic Secondary School

招標邀請信

信件檔號：LT/2425/05.15100

日 期：<u>15/5/2025</u>
(掛號郵件)

公司名稱及地址：

執事先生：

<div align="center">

邀請招標
承投提供 無線網絡系統及器材更新

</div>

現誠邀 貴公司承投提供上述所列的服務。倘 貴公司不擬接納部分規格或服務要求，請於投標附表上清楚註明。

投標表格(附件1)必須填妥<u>一式兩份</u>，密封於空白的信封內遞交。信封面不可顯示任何公司識別或公司名稱，但必須清楚註明「無線網絡系統及器材更新：招標檔號 <u>NWCSS/2425/T/012/I.T.</u>」，並須於 <u>2025年6月5日 中午十二時前 以掛號郵寄或直接放入置於</u>本校校務處的投標箱內。(地址：九龍新蒲崗彩虹道五號)。逾期的投標書概不受理。

貴公司的投標書有效期為90天，由上述截止日期起計。如在該90天內仍未接獲訂單，則是次投標可視作落選論。另外亦請注意， 貴公司必須填妥投標表格第II部分(附件2)及承諾書(附件3)，否則標書概不受理。

倘 貴公司未能或不擬投標，亦請盡快把投標表格寄回上述地址，並於附件4清楚註明不擬投標的原因。學校招標承投所需項目及服務時，會以「整批」形式考慮接受供應商的投標。

<div align="right">

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李宛儀校長啟

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天主教伍華中學

Ng Wah Catholic Secondary School

投標附表

(A) Details of Products and Services

項目編號	物品說明/規格	所需數量	單價（港元）	金額（港元）	備註
			（ 由供應商填寫 ）		

1	**Enterprise Wifi 7 Indoor Access Point (For Classroom & Special Room)**
	
	▪ **Hardware**
	  o The AP should support IEEE 802.11a/b/g/n/ac/ax/be
	  o The AP should support 3 radios, 2.4 GHz: 2x2; 5 GHz: 2x2.
	  o The AP should support system maximum not less than 3.5Gbit/s
	  o The AP should support OFDMA, MU MIMO 1024QAM.
	  o The AP should have at least One 2.5G Ethernet interface (1x 2.5GE electrical port .)
	  o The AP should support Bluetooth serial remote wireless operation and maintenance
	  o The AP should support AC and DC power supply.
	  o The AP should support PoE power supply: in compliance with 802.3at.
	  o The AP should support 6kV surge protection capability of Ethernet interface.
	  o The cloud management mode is supported. If hardware is not replaced, the cloud management mode can be switched to the cloud management mode.
	  o The AP should support Operating temperature: -10°C ~ +50°C.
	  o Hardware encryption, DTLS, and IPsec encryption are supported.
	  o The AP should support spectrum analysis to
		63			

	identify interference sources such as Baby Monitor, Bluetooth devices, digital cordless phones, wireless audio transmitters, game consoles, and microwave ovens
	
	▪ **Radio**
	  o The AP should support minimum 8 SSIDs for each radio.
	  o The AP should support minimum 400 users (200 per Radio)
	  o The AP should support built-in smart antennas.
	▪ **Network**
	  o The AP should support smart application control technology and can implement visualized control on Layer 4 to Layer 7 applications.
	  o The AP should support application Traffic statistics: globally, by SSID, or by user.
	  o The AP should support load balancing during smart roaming.
	  o The AP should support smart roaming.
	  o The AP should support dual-link backup.
	▪ **Qualification Requirements**
	  o Wi-Fi Alliance certification is available and HK OFCA certification of HKCA1039, HKCA1081
	  o 3 years hardware warranty				

2	**Enterprise Wifi 7 High Density Indoor Access Point**
	
	● **Hardware**
	  o The AP should support IEEE 802.11a/b/g/n/ac/ax/be.
	  o The AP should support 3 radios 2.4 GHz: 2x2; 5 GHz: 2x2; 6 GHz: 4x4
	  o The AP should support system maximum rate up to 13.66Gbit/s.
	  o The AP should support OFDMA, MU MIMO 1024QAM.
	  o The AP should support Bluetooth serial remote wireless operation and maintenance
	  o The AP should support AC and DC power supply.
	  o The AP should support PoE power supply: in
		3			

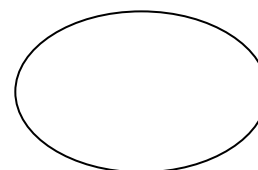|					
	compliance with 802.3at. o The AP should support 6kV surge protection capability of Ethernet interface. o The cloud management mode is supported. If hardware is not replaced, the cloud management mode can be switched to the cloud management mode. o The AP should support Operating temperature: -10°C ~ +50°C. o Hardware encryption, DTLS, and IPsec encryption are supported. o The AP should support spectrum analysis to identify interference sources such as Baby Monitor, Bluetooth devices, digital cordless phones, wireless audio transmitters, game consoles, and microwave ovens ● **Radio** o The AP should support minimum 8 SSIDs for each radio. o The AP should support minimum 800 users (300 per Radio) o The AP should support built-in smart antennas. ● **Network** o The AP should support smart application control technology and can implement visualized control on Layer 4 to Layer 7 applications. o The AP should support application Traffic statistics: globally, by SSID, or by user. o The AP should support load balancing during smart roaming. o The AP should support smart roaming. o The AP should support dual-link backup. ▪ 3 years hardware warranty				
3	**Enterprise Core Switch with 24 x 10/100/1000Base & 4 x 10G SFP+ Port** o Switching capacity: 200Gbps or above o Forwarding performance: 100Mbps or above o Fixed Ports: 24 x 10/100/1000Base-T ports, 4 x	1			

	10GE SFP+ ports				
	o Dimension: 43.6 mm x 442 mm x 420mm				
	o Bundle with Interface card with 8 x 10GE SFP+ or 2 x 25GE SFP28 ports (only ports 1 and 2 support 25GE) x 1				
	o Power Supply Type: 600W AC x 2				
	o iPCA: Collection of real-time statistics on the number of lost packets and packet loss ratio at network and device levels				
	o VXLAN: Support: VXLAN L2 and L3 gateways, Centralized and distributed gateways				
	o Interoperability: VBST (compatible with PVST, PVST+, and RPVST), LNP, VCMP				
	o Storage temperature: -40°C to +70°C				
	o Warranty: 3 Years Hardware warranty				
4	**Enterprise Multigiga Layer 2 POE+ Switch** o Enterprise Layer 2 24 Ports (1G/2.5G) Mutigiga POE++ Switch for Wifi System o Enterprise 24 Ports (1G/2.5G) Multigiga Layer 2 POE+ Switch o Fixed Port: 24 × 1G/2.5G Base-T Ethernet ports,4 x 10GE SFP+,2 x 40GE QSFP ports o Dimension: 43.6 mm x 442 mm x 420 mm o Chassie Height: 1U o Chassie Weight: 8.6kg o Power supply Type: 400W POE AC o Storage temperature: -40°C to +70°C o Surge protection specification (service port): Common mode: ±6 kV o Heat dissipation: Air cooling heat dissipation, intelligent speed adjustment, and pluggable fans o Warranty: 3 Years hardware warranty	4			

5	**Enterprise Wireless Access Controller for Wifi 7** o Port: 10 x GE + 2 x 10 GE SFP+ o Power Supply: AC Adapter o Forwarding Capacity: 10Gbit/s o Maximum Manage AP: 512 o Maximum Manage Users: 4096 o AP-AC Networking: Layer 2 or Layer 3 o Warranty: 3 Years hardware warranty	1			
6	**Cabling Service for Wifi 7 System:** *Supply and install Cat.6 UTP LSZH Cables for AP service included: o Both end termination with new faceplate and modular jack o Permanent Label Included o Cables testing with testing report	10			
	*Supply and install PVC conduit for New Add / Relocation AP data node included: Fixing, Hole Drilling for PVC Conduit install	10			
	*Unmount current AP and Ceiling / Wall Mounting for Wireless Access Point	68			
	*Cat 6 Small Diameter High-Flex Patch Cord, 7 ft (2.1 m)	12			
	*Rental of High-Level Work Platform (for G/F Hall Area)	1			
7	**Configuration service for Campus Wifi 7 System:** Enable Wireless Controller feature for new AP x 66 o Dismantle existing Access Point and Wall Mount New Access Point o Dismantle existing Core Switch & Edge Switch o New Installation of Core x 1 ,Wireless Controller & POE Switch o Basic IP setting and config for Access Point, Core Switch, Edge & POE Switch o Enable Roaming, Guest Portal, VLAN setting & policy control for new controller o Connect New Wireless network to existing	1			

	production network ○ Configuration service for New Wireless Controller ○ Skill Transfer Training Included ○ UAT Test Included ○ All proposed New Wifi System must Inter-compatible with Staff Room existing Wifi 7 System.				
8	**All ownership of the purchased equipment shall belong to Ng Wah Catholic Secondary School.** **The payment will be made in installments, either monthly or annually, to be fully settled within three years.**	1			
9	必須遞交有效之商業登記副本	1			
	總金額(港元) ：				

本公司/本人明白，如收到學校訂單後未能供應投標書上所列物品及/或服務，本公司/本人須負責賠償學校從另處採購上述物品及/或服務的差價。

公司印鑑

投標者： _____

獲授權簽署投標書的代表的姓名及署名：

姓名 (請以正楷填寫) ：_____ 簽署：_____

日期： _____

投標表格 (物品)

承投無線網絡系統及器材更新

學校名稱及地址：天主教伍華中學　九龍新蒲崗彩虹道5號
招標檔號(由校方填寫)：＿＿＿＿＿＿NWCSS/2425/T/012/I.T.＿＿＿＿＿＿
截標日期/時間(由校方填寫) ：＿＿＿＿05/06/2025　　中午12:00＿＿＿＿

第I部分

下方簽署人願意按照正式訂單上訂明的日期及所列的價格，包括勞工、材料及其他所有費用，以及校方所提出的細則，提供投標附件及投標書上所列項目的服務。下方簽署人知悉，所有未經特別註明的項目，均須按照該細則的規定提供服務；投標書由上述截標日期起計 90 天內仍屬有效；校方不一定採納索價最低的投標書或任何一份投標書，並有權在投標書的有效期內，採納某份投標書的全部或部分內容。下方簽署人亦保證其公司的商業登記及僱員補償保險均屬有效，而其公司所提供的服務不會損壞學校的校舍。

第II部分

再行確定投標書的有效期

有關本投標表格的第I部分，現再確定本公司的投標書有效期由截標日期起計90天。

下方簽署人亦同意，投標書的有效期一經再行確定，其公司就該事項註明於投標表格內的預印條文，即不再適用。

日期：＿＿＿＿＿＿年＿＿＿＿＿＿月＿＿＿＿＿＿日

姓名(請以正楷填寫)：＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿

簽署人：＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿ 職銜：＿＿＿＿＿＿＿＿＿＿＿＿
(請註明職位，例如董事、經理、秘書等)

上方簽署人已獲授權，代表 ＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿公司簽署投標書，該公司在香港註冊

的辦事處地址為＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿ 。

電話號碼：＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿ 傳真號碼：＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿

承諾書

承投提供無線網絡系統及器材更新

學校名稱及地址：天主教伍華中學　九龍新蒲崗彩虹道5號
招標檔號(由校方填寫)：　　　　NWCSS/2425/T/012/I.T.　
截標日期/時間(由校方填寫) ：　　05/06/2025　　中午12:00　

維護國家安全

　下方簽署人確認即使報價／招標文件中沒有任何相反的規定，學校保留以其公司曾經、正在或有理由相信其公司曾經或正在作出可能構成或導致發生危害國家安全罪行的行為或活動為由，取消其公司資格的權利，又或為維護國家安全，或為保障香港的公眾利益、公共道德、公共秩序或公共安全，而有必要剔除其公司。

　下方簽署人確認若出現下列任何一種情況，學校可以立即終止合約：
(i) 其公司曾經或正在作出可能構成或導致發生危害國家安全罪行或不利於國家安全的行為或活動；
(ii) 繼續僱用其公司或繼續履行合約不利於國家安全；或
(iii) 學校合理地認為上述任何一種情況即將出現。

確定遵守防止賄賂條款 (由供應商填寫)

　競投人、其僱員及代理人不得向學校僱員、校董會/法團校董會成員，或負責考慮與本合約相關事宜的有關委員會的任何成員提供利益(香港法例第 201 章《防止賄賂條例》所界定的「利益」)。競投人、其僱員或代理人向有關人士提供任何利益，根據《防止賄賂條例》可構成罪行，並可導致合約無效。學校亦可取消批出的合約，而競投人須為學校所蒙受的任何損失或損害負上法律責任。

代表簽署　　　　　　：　

代表姓名(正楷)　　　：　

職位　　　　　　　　：　

日期　　　　　　　　：　　　年　　　月　　　日

不擬「無線網絡系統及器材更新」回覆信

致：天主教伍華中學

招標檔案 ：<u>NWCSS/2425/T/012/I.T.</u>

截標日期及時間 ： <u>2025</u>年<u>6</u>月<u>5</u>日中午12時正

下方簽署人代表本機構表示<u>不擬</u>承投 貴校「無線網絡系統及器材更新服務」投標事宜。

不擬投標原因：

- 機構代表簽署 ：
- 職銜：
- 代表姓名（正楷） ：
- 日期： 年 月 日
- 機構名稱：