



المملكة الأردنية الهاشمية
وزارة السياحة والآثار
دعوة العطاء رقم (2022/8)
(للمرة الثانية)

الـلـوـازـم/الـخـدـمـات المـطـلـوبـة : خـدـمـات أنـظـمـة وبرمجيات لتهيئة متحف الأردن لإستقبال
الأشخاص ذوي الإعاقة.

الدائرة المستفيدة : وزارة السياحة والآثار

استناداً لأحكام المادة رقم (21) من نظام المشتريات الحكومية رقم (8) لسنة 2022 تدعو وزارة السياحة والآثار
المناقضين المتخصصين للمشاركة في تقديم عروضهم/ خدمات أنظمة وبرمجيات لتهيئة متحف الأردن لإستقبال
الأشخاص ذوي الإعاقة، وفقاً للمواصفات والشروط الخاصة والعامة المرفقة بهذه الدعوة في موعد أقصاه الساعة الثانية
عشرة من يوم الخميس الموافق (2022/09/29).

واقبلوا الإحترام ،،

وزير السياحة والآثار
نايف حميدي الفايز

ثمن النسخة (25) خمسة وعشرون دينار غير مسترد.

المرفقات :-

- (1) الشروط العامة عدد (2) صفحة.
 - (2) الشروط الخاصة عدد (10) صفحة.
- ♦ على المناقص التأكد من المرفقات وعددها، والدائرة غير مسؤولة عن فقدان أو نقص أي من الوثائق بعد شراء دعوة العطاء ويتحمل المناقص مسؤولية عدم قيامه بالتدقيق والتأكد من اكتمال الوثائق.

الشروط العامة

- إعداد وتقديم العروض:-

1- يعد المناقص عرضه وفقا لوثائق الشراء بعد ان يدرس هذه الوثائق ويتفهم جميع ماورد فيها واذا كانت الوثائق غير كاملة او غير واضحة او وجد نقصا فيها فعلى المناقص طلب استيضاح او الوثيقة الناقصة من الجهة المشتريّة قبل الموعد المحدد في وثائق العطاء ويتحمل المناقص النتائج المترتبة على عد قيامه بالتحقق من استلام وثائق العطاء كاملة.

2- يعد المناقص عرضه واسعاره على الجداول والنماذج المرفقة بوثائق العطاء والتي تتفق مع متطلبات وثائق العطاء ويختتم ويوقع كافة وثائق العطاء ويقدمها ضمن العرض كاملة ويحق للمناقص بالاضافة الى وثائق العطاء ان يضيف اي وثائق او معلومات يرغب في اضافتها ويرى انها ضرورية.

3- تكون الأسعار بالدينار الأردني شاملة كافة الضرائب والرسوم والعوائد الحكومية والضريبة العامة على المبيعات وأية رسوم إضافية أخرى.

4- تقدم العروض المالية والفنية بمغلف واحد مغلق وترفق بهما كفالة دخول العطاء ويكتب عليه اسم ورقم دعوة العطاء.

5- يودع العرض من قبل المناقص في صندوق العطاءات لدى الجهة التي طرحت العطاء قبل انتهاء المدة المحددة لذلك ويفضل ان يودع قبل اخر موعد بفترة كافية تجنباً لاي طارئ وكل عرض لا يودع في صندوق العطاءات قبل اخر موعد لتقديم العروض لا ينظر فيه ويعاد الى مصدره مغلقا وفي حالة عدم كتابة عنوان المناقص او المعلومات الكافية الواضحة عن العطاء فيحق للجنة المشتريات فتحه لمعرفة محتويات المغلف والعنوان ان وجد لاعادته.

6- على المناقص ان يرفق بعرضه اي كتالوجات او نشرات او معلومات فنية او احصاءات تعرف باللوازم المعروضة باحدى اللغتين العربية او الانجليزية مختومة بختم المناقص مع تدوين رقم العطاء عليها وبخلاف ذلك فللجنة المشتريات استبعاد العرض ولا يحق للمناقص الاعتراض على ذلك.

7- يلتزم المناقص ان يبقى العرض المقدم منه نافذ المفعول وغير جائز الرجوع عنه لمدة لا تقل عن 90 يوما اعتبارا من اخر موعد لايداع العروض واذا لم يتم ذكر مدة صلاحية العرض في وثائق الشراء تعتبر حكما 90 يوما.

- 8- على المناقص ان يبين في العرض المقدم منه بلد المنشأ للوازم المعروضة واسم الشركة الصانعة واسم الشركة المصدرة ومنشأها والماركة والاسم التجاري والطرارز (Model) ورقم الكتالوج او النشرة الخاصة باللوازم المعروضة.
- 9- يضمن المناقص ان تكون المواد واللوازم الموردة جديدة 100% (Brand new) خالية من اي عيوب في الصنع او في المادة.
- 10- على المناقص ان يكون على دراية كاملة ومطلع على نظام المشتريات الحكومية رقم 8 لسنة 2022 والتعليمات الصادرة بموجبه.
- 11- للوزارة الحق بشطب أو إلغاء العطاء دون إبداء الاسباب ودون ان يترتب على ذلك اية مسائلة قانونية او مالية.
- 12- على المناقص أن يبين بعرضه مدة التسليم ومدة كفالة الصيانة.
- 13- يتم إيداع العروض بموعد أقصاه الساعة الثانية عشرة ظهرا من يوم الخميس الموافق (2022/09/29).

- الوثائق المطلوبة :-

- 1- يلتزم المناقص بتقديم شهادة سجل تجاري سارية المفعول مع العرض المقدم.
- 2- يلتزم المناقص بتقديم رخصة مهن سارية المفعول مع العرض المقدم.
- الكفالات المطلوبة:-
- على من يرسو عليه العطاء تقديم كفالة حسن تنفيذ بقيمة (10%) من قيمة الاحالة على شكل كفالة بنكية أو شيك مصدق بإسم معالي وزير السياحة والآثار بالإضافة الى وظيفته سارية المفعول لمدة لاتقل عن سنة من تاريخ الاستلام النهائي.
- التسليم:
- 1- أن يكون التوريد والتشغيل التسليم في مبنى متحف الاردن.
- 2- على المناقص أن يبين بعرضه مدة التسليم.
- 3- تحسب غرامة التأخير 50 دينار عن كل يوم بما لايتجاوز (15%) من قيمة العقد.
- على من يرسو عليه العطاء تقديم كفالة حسن تنفيذ بقيمة (10%) من قيمة الاحالة.
- على من يرسو عليه العطاء تقديم كفالة صيانة بقيمة (3%) من قيمة العطاء على شكل كفالة بنكية او شيك مصدق بإسم معالي وزير السياحة والآثار بالإضافة لوظيفته سارية المفعول لمدة لاتقل عن سنة من تاريخ الاستلام النهائي.
- رسوم الاعلان على من يرسو عليه العطاء مهما تكرر.

Tables of Items Specification:

1. Controller & Management Specification:

#No.	Required Specification	Comply Yes/ No	Note/Page(s)
1.1-	The equipment shall conform to the industry standard specifications issued by IEEE 802.11a/802.11b/802.11g, 802.11d, 802.11w, 802.11n, 802.11ac and 802.11ax.		
1.2-	The controller shall support up to 64 access points.		
1.3-	Bidder should provide the required license to operate 16 Access points per site.		
1.4-	The controller shall support up to 256 VLANs		
1.5-	Controller shall support throughput up to 1 Gbps.		
1.6-	The controller shall support minimum two 10/100/1000 Ethernet ports.		
1.7-	The controller shall be able to detect any rouge AP, classify rouge from interfering APs, locate any rouge AP on the map, and contain it automatically when needed (manual containment option is not accepted)		
1.8-	Controller shall support different Authentication, authorization, and accounting (AAA) standards such as IEEE 802.1X and RADIUS.		
1.9-	Controller shall support different security standards such as WPA, WPA2		
1.10-	Controller shall support different encryption such as WEP, AES, DES-CBC.		
1.11-	The controller must support internal routing, bridging and spanning tree capabilities across its ports within the centralized switch/controller in order to enable ease of deployment and scalability.		
1.12-	Support VLAN subnet management with multiple VLAN assignment per SSID.		
1.13-	The system must support L2 and L3 roaming capabilities across APs.		
1.14-	The system must be WMM-certified by the Wi-Fi alliance		
1.15-	Centralized controller provides an easy to use (template based) mechanism to support configuration of different groups of APs — without requiring a separate management interface.		
1.16-	Automatically recognize the type (eg. Apple 'OS) of the mobile device connecting to the network. Please list the type of mobile devices your WLAN infrastructure can identify.		
1.17-	Access Controller must be the same brand with switches and AP(s).		
1.18-	Three years full warranty and support from the mother company and local partner.		

2. Indoor Access Points Specification:

#No.	Required Specification	Comply Yes/ No	Note/Page(s)
2.1-	Indoor Dual Radio and Dual Band Access Point.		
2.2-	Should support 802.11ax with MU-MIMO		
2.3-	Should support 802.11ax with 2x2:2 MIMO 802.11 DFS (Dynamic frequency selection).		
2.4-	1x Auto sensing 10/100/1000 on the network port for Access Point		
2.5-	Should support Controller-based mode which offers centralized configuration, data encryption, policy enforcement and network services, as well as distributed and centralized traffic forwarding		
2.6-	Minimum of 15 SSIDs available on each radio per access point		
2.7-	Capable of multi-function services including data access, intrusion detection, intrusion prevention, location tracking, and RF monitoring with no physical "touch" with license upgrade.		
2.8-	Internal Antenna, Omnidirectional radiation pattern capabilities.		
2.9-	Support Bluetooth BLE 5 and 802.15.4 radio (for Zigbee support) to simplify deploying and managing IoT-based location services, asset tracking services, security solutions and IoT Sensors		
2.10-	Real time packet capture on the APs, without disconnecting clients, Built-in technology that resolves sticky client issues for Wi-Fi 6 and Wi-Fi 5 devices		
2.11-	Should support for the latest Wi-Fi standard, IEEE's new 802.11ax specification.		
2.12-	Should extend support to a new generation of Wi-Fi clients, such as smartphones, tablets, and high-performance laptops that have integrated 802.11ax support.		
2.13-	Should support dual radio, Orthogonal frequency-division multiple access (OFDMA) and WPA3, Target Wake Time (TWT)		
2.14-	The AP supports direct DC power and Power over Ethernet		
2.15-	Support Power-over-Ethernet (PoE) standard with full capacity operation at full power of the radios		
2.16-	Access points operating temperature 0 °C to +50 °C		
2.17-	Bidder should install with cabling		
2.18-	The AP supports work from day one with H/W Controller, controller, controller-less or Cloud management		
2.19-	Full Installation (cables installation should be STP)		
2.20-	Access points must be the same brand with switches and Access Controller Access.		
2.21-	Three years full warranty and support from the mother company and local partner.		

3. Outdoor Access Points Specification:

#No.	Required Specification	Comply Yes/ No	Note/Page(s)
3.1-	Outdoor Dual Radio and Dual Band Access Point with Weatherproof, temperature- Hardened, and rated IP-67.		
3.2-	Should support 802.11ax with MU-MIMO		
3.3-	Should support 802.11ax with 2x2:2 MIMO DFS (Dynamic frequency selection).		
3.4-	1x Auto sensing 10/100/1000 on the network port for Access Point		
3.5-	Should support Controller-based mode which offers centralized configuration, data encryption, policy enforcement and network services, as well as distributed and centralized traffic forwarding		
3.6-	Minimum of 15 SSIDs and BSSIDs available on each radio per access point		
3.7-	Capable of multi-function services including data access, intrusion detection, intrusion prevention, location tracking, and RF monitoring with no physical "touch"		
3.8-	Internal Antenna, Omnidirectional radiation pattern capabilities		
3.9-	Real time packet capture on the APs, without disconnecting clients, Built-in technology that resolves sticky client issues for Wi-Fi 6 and Wi-Fi 5 devices		
3.10-	Should support for the latest Wi-Fi standard, IEEE's new 802.11ax specification.		
3.11-	Should extend support to a new generation of Wi-Fi clients, such as smartphones, tablets, and high-performance laptops that have integrated 802.11ax support.		
3.12-	5.12 Should support dual radio, Orthogonal frequency-division multiple access (OFDMA) and WPA3, Target Wake Time (TWT)		
3.13-	Outdoor AP operating temperature of -20 °C to +65 °C.		
3.14-	The AP supports Power over Ethernet		
3.15-	Support Power-over-Ethernet (PoE) 802.3at/bt standard with full capacity operation at full power of the radios		
3.16-	Bidder should install with cabling		
3.17-	The AP supports work from the day one with H/W Controller, virtual controller, controllerless, or Cloud management		
3.18-	Access points must be the same brand with switches and Access Controller Access.		
3.19-	Three years full warranty and support from the mother company and local partner.		

4. Edge Switch Specification:

#No.	Required Specification	Comply Yes/ No	Note/Page(s)
4.1-	Should have 24 x 10/100/1000BASE-T ports with Full PoE 370W and 4x 1GbE (SFP/SFP+) uplink ports.		
4.2-	Should be stackable switch and support minimum 6 switches in the stack at least.		
4.3-	Wire-speed high performance switching with line rate on all ports (non-blocking architecture)		
4.4-	Switching Capacity: 130 Gbps at least		
4.5-	Should support full Layer 3		
4.6-	Switch Must be enterprise level switch (SMB not Approved)		
4.7-	Full Installation		
4.8-	Edge Switch must be the same brand with Access Points and Access Controller.		
4.9-	Three years full warranty and support from the mother company and local partner.		

5. Aggregation Switch Specification:

#No.	Required Specification	Comply Yes/ No	Note/Page(s)
5.1-	Should have 48 x 10/100/1000BASE-T ports with Full PoE 740W and 4x 1GbE (SFP/SFP+) uplink ports.		
5.2-	Should be stackable switch and support minimum 6 switches in the stack at least.		
5.3-	Wire-speed high performance switching with line rate on all ports (non-blocking architecture)		
5.4-	Switching Capacity: 175 Gbps at least		
5.5-	Should support full Layer 3		
5.6-	Switch Must be enterprise level switch (SMB not Approved)		
5.7-	Full Installation		
5.8-	Aggregation Switch must be the same brand with Access Points and Access Controller.		
5.9-	Three years full warranty and support from the mother company and local partner.		

6. Core Switch Specification:

#No.	Required Specification	Comply Yes/ No	Note/Page(s)
6.1-	Should have 48 x 10/100/1000BASE-T ports with Full PoE 740W and 8x 1GbE/10GbE (SFP/SFP+) uplink ports.		
6.2-	Should be stackable switch and support minimum 10 switches in the stack at least.		
6.3-	Wire-speed high performance switching with line rate on all ports (non-blocking architecture)		
6.4-	Switching Capacity: 256 Gbps at least		
6.5-	Forwarding Capacity: 190 Mpps at least		
6.6-	Should support full Layer 3.		
6.7-	Switch Must be enterprise level switch (SMB not Approved)		
6.8-	Full Installation		
6.9-	Core Switch must be the same brand with Access Points and Access Controller.		
6.10-	Three years full warranty and support from the mother company and local partner.		

7. Cabinet 15U Specification:

#No.	Required Specification	Comply Yes/ No	Note/Page(s)
7.1-	Fan + PDU power distributor unit 6 output		

8. Cabinet 6U Specification:

#No.	Required Specification	Comply Yes/ No	Note/Page(s)
8.1-	Fan + PDU power distributor unit		

9. Web Application Specification:

Introduction: The Web Application will retrieve data (text, audio, video, multimedia content) through QR Code labeled on the artifact piece in the exhibitions by using of any reading program – QR Code Reader - on the cell phone which in turn reads the label on the artifact as it opens the link of content and data Which belongs to the piece from the server to show the web page of artifact data in the museum halls.

#No.	Required Specification	Comply Yes/ No	Note/Page(s)
9.1-	System contains parts such as admin & client or more parts if needed, for configuration, transaction ...etc.		
9.2-	Define users and system privilege.		
9.3-	Define new item with all details.		
9.4-	No limit for the number of QR codes defined on the system.		
9.5-	Allow upload, Audio, Video, Text & Phone for each item.		
9.6-	Allow edit, delete items data.		
9.7-	Define item category		
9.8-	Reporting system		
9.9-	Possibility to define advertisement as photo or link		
9.10-	Web application open from dynamic QR Code for each item		
9.11-	Scan the QR code from any mobile device to access the items page		
9.12-	Each page contains full item details, text, photo, Audio & Video.		
9.13-	Allow share or download item details		
9.14-	Possibility to add phone visitor phone number and email.		
9.15-	Possibility to send note, suggestion or complain.		
9.16-	Rating system		
9.17-	View helpful links or advertisement		
9.18-	Develop a web application to scan a QR Code then to retrieve data related to the scanned object from database on windows server.		
9.19-	The application will play a voice record, video and text data related to the scanned object.		
9.20-	The application will be worked on android, IOS and windows devices.		
9.21-	Bidder will take responsibility to install, configure and run the application. Bidder will install any necessary DB on the server and install, configure system (application or software) on server to connect, retrieving data from/to App.		

9.22-	The web application support Arabic, English and Sign language (through Video). Arabic / English for Admin and Visitor pages		
9.23-	The supplier provides the software update, fixing bugs, security updates, and upgrades to reach stability for the application.		
9.24-	Three years full warranty and maintenance from the mother company and supplier.		

10. UPS Specification I:

#No.	Required Specification	Comply Yes/ No	Note/Page(s)
10.1-	3kVA UPS Rack and Single-Phase Online UPS		
10.2-	Vin120~295 and Vout 208/220/230/240		
10.3-	Internal Batteries 6x9Ah 12V		
10.4-	Three years full warranty and support from the mother company and local partner.		

11. UPS Specification II:

#No.	Required Specification	Comply Yes/ No	Note/Page(s)
11.1-	1.5kVA UPS Tower		
11.2-	Line interactive UPS		
11.3-	1:1 Phase		
11.4-	Batteries with 2 x 12V 9ah		
11.5-	Three years full warranty and support from the mother company and local partner.		

12. Fiber Cable Specification:

#No.	Required Specification	Comply Yes/ No	Note/Page(s)
12.1-	Fiber cable multimode OM4 12 Core		
12.2-	Fiber cable must be rodent resistant.		
12.3-	Three years full warranty and support from the mother company and local partner.		

The Works and conditions must be considered (الشروط والأعمال الخاصة):

1. Procure, supply, deliver, install, configure, integrate and test the hardware listed in BOQ, along with related software functionalities/features.
2. Provide all needed equipment's including (transceivers, patch-cords, licenses, Patch panel ODF) if exist. Any equipment needed to make the solution work properly should be provided by the winning bidder even if not listed in BOQ.
3. Testing all hardware equipment listed in the RFP.
4. The winning bidder is responsible for complete the cabling, testing and labeling needed for the access points and switches (cables between Access points and uplinks between core switches and the proposed switches is bidder responsibility).
5. A Site survey is required to be done by the bidders
6. Provide licenses, warranty, maintenance and support for offered hardware, software and subscription for 36 months starting from the date of preliminary acceptance.
7. Fiber cable installation include termination, labeling and testing between core switches.
8. Cables manufacture must be well known brand.
9. The cables installation should be STP for Access points (AP).
10. The only eligible brands for this submittal should be only European, USA or Canada and other manufacturers are not qualified for tendering.
11. The bidder provides at least two certified and valid professional certificates from the mother company for the technical support team stating that they are qualified and approved for the technical support process.
12. The column with label "Note/Page(s)" in specifications tables, the vendor or supplier should be using it to fill with the page(s) number and/or section(s) that matched the specification(s) in technical sheet that supplier provided with tender papers.
13. Any words such as "support/supporting/supported" mentioned in Items specifications means also "work/working/worked".
14. على المقاول او المزود التنسيق المسبق مع إدارة المتحف بكل ما يتعلق بتنفيذ الاعمال المطلوب تنفيذها، وحسب تعليمات المهندس المشرف.

15. على المقاول او المزود زيارة المتحف بخصوص امكنة واية تفاصيل مرتبطة بالأعمال المطلوب إنجازها واخذ القياسات والمعلومات اللازمة قبل بدء التنفيذ، وحسب تعليمات المهندس المشرف.
16. على المقاول او المزود تقديم جدول زمني ومحدد لكافة الأعمال المطلوب تنفيذها والتنسيق المسبق مع إدارة المتحف بخصوص تحديد ساعات العمل وبموافقة صاحب العمل والمحافظة على نظافة مبنى المتحف وحسب تعليمات المهندس المشرف.

Bill of Quantity (BOQ):

#No.	Item	Unit	Qty	Unit Price	Total
1.	Wireless Controller	PC	1		
2.	Wireless Controller Support Licenses for 3 years	Year	1		
3.	Access Points Support Licenses for 3 years	Year	30		
4.	Indoor Access Point	PC	28		
5.	Outdoor Access Point	PC	2		
6.	Edge Switch 24 POE	PC	4		
7.	Aggregation Switch 48 Full POE	PC	5		
8.	Core Switch 48 POE	PC	2		
9.	Fiber Cable Uplink - Need Site Survey - Redundancy in some areas (Estimated meters).	Meter	1100		
10.	Cabinet 15U	PC	2		
11.	Cabinet 6U	PC	1		
12.	Patch Panel 24 STP	PC	15		
13.	Organizer	PC	15		
14.	Patch Panel ODF	PC	14		
15.	SFP+ 10GB MM	PC	26		
16.	Patch Cord Fiber	PC	26		
17.	Patch Cord STP	PC	30		
18.	DAC Cable 10GB	PC	6		
19.	UPS 3.0 KVA	PC	2		
20.	UPS 1.5 KVA	PC	1		
21.	Cable needed (STP)	PC	30		
22.	Web Application	PC	LS		
23.	Installation	Lot	1		
24.	Training	Seat	4		
Total					
Tax					
Grand Total					

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