

Reference Number	IZIKO- ICT/2024/01/22 NETWORK INFRASTRUCTURE
Description	Iziko Museums of South Africa invites qualified and experienced Network Infrastructure providers to submit proposals for the expansion of network infrastructure across our various museum sites.
Name of the responsible unit/department	ICT Department
Address	25 Queen Victoria Street Cape Town 8001
Attention	R Pedro (CFO)
Closing date and time for submission	21 February 2024 at 11:00 am
Method of delivery	<p>Bids together with all accompanying documentation to be submitted into the tender box at Iziko South African Museum, 25 Queen Victoria Street Cape Town 8001</p> <p>Bidders to submit an original document plus two (2) copies of the original document of which one must be in soft copy format (USB Memory Stick / Disc)</p>
Tender Box Dimensions	(H) 90mm x (L) 400mm x (W) 900mm
Contact Details: Supply Chain Management Unit	Siphamandla Oupa (SCM) 021 481 3889 soupa@iziko.org.za or Noleen Donson ndonson@iziko.org.za
Compulsory Briefing Session	11:00, 01 February 2024, 25 Queen Victoria Street Cape Town
Site Visit	8:00, 05 February 2024
TENDERER	
Name of Company	
Trading as (if different from above)	
CSD Supplier Number (MAAA....)	
B-BBEE Status Level of Contribution	
Quote Price (Incl VAT)	
Signature	

BIDDER'S DISCLOSURE (SBD 4)

1. PURPOSE OF THE FORM (SBD 4)

Any person (natural or juristic) may make an offer or offers in terms of this invitation to bid. In line with the principles of transparency, accountability, impartiality, and ethics as enshrined in the Constitution of the Republic of South Africa and further expressed in various pieces of legislation, it is required for the bidder to make this declaration in respect of the details required hereunder.

Where a person/s are listed in the Register for Tender Defaulters and / or the List of Restricted Suppliers, that person will automatically be disqualified from the bid process.

2. Bidder's declaration

2.1 Is the bidder, or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest¹ in the enterprise, employed by the state? **YES/NO**

2.1.1 If so, furnish particulars of the names, individual identity numbers, and, if applicable, state employee numbers of sole proprietor/ directors / trustees / shareholders / members/ partners or any person having a controlling interest in the enterprise, in the table below.

Full Name	Identity Number	Name of State institution

2.2 Do you, or any person connected with the bidder, have a relationship with any person who is employed by the procuring institution? **YES/NO**

¹ the power, by one person or a group of persons holding the majority of the equity of an enterprise, alternatively, the person/s having the deciding vote or power to influence or to direct the course and decisions of the enterprise.

2.2.1 If so, furnish particulars:

.....
.....

2.3 Does the bidder or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest in the enterprise have any interest in any other related enterprise whether or not they are bidding for this contract? **YES/NO**

2.3.1 If so, furnish particulars:

.....
.....

3 DECLARATION

I, the undersigned,(name).....
in submitting the accompanying bid, do hereby make the following statements that I certify to be true and complete in every respect:

3.1 I have read and I understand the contents of this disclosure;

3.2 I understand that the accompanying bid will be disqualified if this disclosure is found not to be true and complete in every respect;

3.3 The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium² will not be construed as collusive bidding.

3.4 In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications, prices, including methods, factors or formulas used to calculate prices, market allocation, the intention or decision to submit or not to submit the bid, bidding with the intention not to win the bid and conditions or delivery particulars of the products or services to which this bid invitation relates.

3.5 The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.

3.6 There have been no consultations, communications, agreements or arrangements made by the bidder with any official of the procuring institution in relation to this procurement process prior to and during the bidding process except to

² Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.

provide clarification on the bid submitted where so required by the institution; and the bidder was not involved in the drafting of the specifications or terms of reference for this bid.

3.7 I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

I CERTIFY THAT THE INFORMATION FURNISHED IN PARAGRAPHS 1, 2 and 3 ABOVE IS CORRECT.

I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS OF PARAGRAPH 6 OF PFMA SCM INSTRUCTION 03 OF 2021/22 ON PREVENTING AND COMBATING ABUSE IN THE SUPPLY CHAIN MANAGEMENT SYSTEM SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....
Signature

.....
Date

.....
Position

.....
Name of bidder (Company Name)

(SBD 6.1)

**PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL
 PROCUREMENT REGULATIONS 2022**

This preference form must form part of all tenders invited. It contains general information and serves as a claim form for preference points for specific goals.

**NB: BEFORE COMPLETING THIS FORM, TENDERERS MUST STUDY THE
 GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN
 RESPECT OF THE TENDER AND PREFERENTIAL PROCUREMENT
 REGULATIONS, 2022**

1. GENERAL CONDITIONS

- 1.1 The following preference point systems are applicable to invitations to tender:
- the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); and
 - the 90/10 system for requirements with a Rand value above R50 000 000 (all applicable taxes included).

1.2 The 80/20 preference point system. Is applicable to this tender

- 1.3 Points for this tender (even in the case of a tender for income-generating contracts) shall be awarded for:
- (a) Price; and
 - (b) Specific Goals.

1.4 The maximum points for this tender are allocated as follows:

	POINTS
PRICE	
SPECIFIC GOALS	
Total points for Price and SPECIFIC GOALS	

- 1.5 Failure on the part of a tenderer to submit proof or documentation required in terms of this tender to claim points for specific goals with the tender, will be interpreted to mean that preference points for specific goals are not claimed.
- 1.6 The organ of state reserves the right to require of a tenderer, either before a tender is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the organ of state.

2. DEFINITIONS

- (a) **“tender”** means a written offer in the form determined by an organ of state in response to an invitation to provide goods or services through price quotations, competitive tendering process or any other method envisaged in legislation;
- (b) **“price”** means an amount of money tendered for goods or services, and includes all applicable taxes less all unconditional discounts;
- (c) **“rand value”** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;
- (d) **“tender for income-generating contracts”** means a written offer in the form determined by an organ of state in response to an invitation for the origination of income-generating contracts through any method envisaged in legislation that will result in a legal agreement between the organ of state and a third party that produces revenue for the organ of state, and includes, but is not limited to, leasing and disposal of assets and concession contracts, excluding direct sales and disposal of assets through public auctions; and
- (e) **“the Act”** means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000).

3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

3.1. POINTS AWARDED FOR PRICE

3.1.1 THE 80/20 OR 90/10 PREFERENCE POINT SYSTEMS

A maximum of 80 or 90 points is allocated for price on the following basis:

$$\begin{array}{ccc}
 \mathbf{80/20} & \mathbf{or} & \mathbf{90/10} \\
 \\
 P_s = 80 \left(1 - \frac{P_t - P_{min}}{P_{min}} \right) & \mathbf{or} & P_s = 90 \left(1 - \frac{P_t - P_{min}}{P_{min}} \right)
 \end{array}$$

Where

- P_s = Points scored for price of tender under consideration
 P_t = Price of tender under consideration
 P_{min} = Price of lowest acceptable tender

4. FORMULAE FOR DISPOSAL OR LEASING OF STATE ASSETS AND INCOME GENERATING PROCUREMENT

3.2. POINTS AWARDED FOR PRICE

A maximum of 80 or 90 points is allocated for price on the following basis:

$$\begin{array}{ccc}
 \mathbf{80/20} & \mathbf{or} & \mathbf{90/10} \\
 \\
 P_s = 80 \left(1 - \frac{P_t - P_{min}}{P_{min}} \right) & \mathbf{or} & P_s = 90 \left(1 - \frac{P_t - P_{min}}{P_{min}} \right)
 \end{array}$$

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmin = Price of lowest acceptable tender

4. POINTS AWARDED FOR SPECIFIC GOALS

4.1. In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in table 1 below as may be supported by proof/ documentation stated in the conditions of this tender:

- 4.2. In cases where organs of state intend to use Regulation 3(2) of the Regulations, which states that, if it is unclear whether the 80/20 or 90/10 preference point system applies, an organ of state must, in the tender documents, stipulate in the case of—
- (a) an invitation for tender for income-generating contracts, that either the 80/20 or 90/10 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system; or
 - (b) any other invitation for tender, that either the 80/20 or 90/10 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system,

then the organ of state must indicate the points allocated for specific goals for both the 90/10 and 80/20 preference point system.

Specific goals for the tender and points claimed are indicated per the table below.

(Note to organs of state: Where either the 90/10 or 80/20 preference point system is applicable, corresponding points must also be indicated as such.

Note to tenderers: The tenderer must indicate how they claim points for each preference point system.)

Table 1: Specific Goals

The specific goals allocated points in terms of this tender	Evidence	Number of points allocated (80/20 system) (To be completed by the organ of state)	Number of points claimed (80/20 system) (To be completed by the tenderer)
Persons, or categories of persons, historically disadvantaged- (HDI) by unfair discrimination on the basis of	<ul style="list-style-type: none"> • Proof of B-BBEE certificate; • Company Registration Certification • Identification Documentation. • CSD report 		

Race: Black persons (ownership)* 50% or more black ownership = 20 points Less than 50% black ownership = 10 points 0% black ownership = 0 points			
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5. DECLARATION WITH REGARD TO COMPANY/FIRM

5.1. Name of company/firm.....

5.2. Company registration number:

5.3. TYPE OF COMPANY/ FIRM

- Partnership/Joint Venture / Consortium
- One-person business/sole propriety
- Close corporation
- Public Company
- Personal Liability Company
- (Pty) Limited
- Non-Profit Company
- State Owned Company

[TICK APPLICABLE BOX]

5.4. I, the undersigned, who is duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the specific goals as advised in the tender, qualifies the company/ firm for the preference(s) shown and I acknowledge that:

- i) The information furnished is true and correct;
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct;
- iv) If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have –
 - (a) disqualify the person from the tendering process;
 - (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;

- (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
- (d) recommend that the tenderer or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and
- (e) forward the matter for criminal prosecution, if deemed necessary

..... SIGNATURE(S) OF TENDERER(S)	
SURNAME AND NAME:
DATE:
ADDRESS:

SPECIFICATIONS

1. BACKGROUND

Iziko Museums of South Africa (Iziko) is a schedule 3A public entity and non-profit organisation, partly subsidised by the National Department of Sport, Arts & Culture (DSAC), bringing together 11 national museums and a Social History Centre situated in the Western Cape under a single governance and leadership structure. Iziko was established in terms of the Cultural Institutions Act, 1998 (Act No. 119 of 1998) and is required to comply with the Public Finance Management Act (PFMA), 1999 (Act No. 1 of 1999) as amended and its concomitant Regulations.

2. OVERVIEW

Iziko Museums, a prominent cultural institution, is seeking proposals from qualified and experienced vendors to provide Network Design and Implementation Services. The chosen vendor will play a critical role in enhancing and expanding the network infrastructure for Iziko Museums, ensuring the delivery of efficient and reliable network services across multiple sites.

3. PROJECT BRIEF

Iziko Museums currently operates from multiple sites within Cape Town, each with distinct networking needs. This tender aims to address the design and implementation of a comprehensive network solution that will cater to these diverse requirements. The project includes the expansion of the network to accommodate additional sites and the modernization of existing network infrastructure.

4. SCOPE OF WORK:

4.1 EXISTING INFRASTRUCTURE AND ENVIRONMENT

The current network infrastructure is built on a fibre redundancy ring, employing Alcatel-Lucent 6200/6400 fibre switches. This configuration connects 11 of Iziko's sites, all situated in the Cape Town City Bowl. The primary site utilizes Huawei GPON (Gigabit

Passive Optical Network) technology, indicating a high-speed, efficient, and reliable communication system. The redundancy ring design enhances network reliability by providing alternative paths for data transmission in case of a failure, ensuring continuous connectivity for Iziko's operations.

The selected vendor is expected to deliver the following services as part of this project:

Network Assessment: Conduct a thorough assessment of the current network infrastructure, identifying strengths, weaknesses, and areas requiring improvement.

Network Design: Develop a comprehensive network design plan, tailored to meet the unique requirements of each Iziko Museums site. This should include the use of GPON technology, access switches, wireless access points, and other necessary components. This should include topology design, hardware, software, and monitoring tools selection.

Hardware and Software Procurement: Source and procure all hardware, software, licenses, and equipment essential for the network implementation, ensuring compatibility and scalability.

Network Implementation: Deploy the proposed network infrastructure, including network cabling, access switches, routers, access points, and any additional components as per the approved design.

GPON Technology: The deployment of Passive Optical LAN (POL) technology, which will be extended to the new site while ensuring compatibility with the existing GPON network infrastructure at the South African Museum (Main Site).

Access Network Switches: Provision, configuration, and integration of core and distribution switches to establish a resilient and efficient network backbone.

Supply and Installation of Wireless LAN Components: Deployment of wireless LAN components for ubiquitous connectivity, emphasizing reliability, and optimal performance across the designated areas.

Supply and Installation of Management and Operational Support Systems (OSS):

Implementation of advanced Management and Operational Support Systems to monitor, manage, and optimize the network infrastructure effectively.

Network Cabling infrastructure: The provision of network cabling solutions to establish a robust physical network infrastructure. This would include and not limited to Fibre splitter boxes, Single Mode Fibre Cables, Category (CAT 6) network cables, Wall mounted lockable cabinets, patch panels.

Equipment Labelling:

All network equipment must be labelled in accordance with Iziko standard labelling protocols to ensure clarity and organization.

Integration: Ensure seamless integration with the existing GPON network infrastructure, preserving compatibility with all systems, including the existing VOIP telephone system.

Testing and Quality Assurance: Rigorously test the network infrastructure to guarantee functionality, security, and reliability.

Documentation: Provide comprehensive documentation, including network diagrams, configurations, and user manuals.

Training: Conduct training sessions to empower Iziko Museums' IT staff in network management and usage.

Support and Maintenance: Offer ongoing support and maintenance services for 5 years to ensure the continued optimal performance of the network.

4.2 DELIVERY ADDRESSES

The goods and services must be provided at the follow physical location:

Table 2: Sites and Location

NO	IZIKO SITE	ADDRESS
1	Iziko SA Museum and Planetarium	25, Queen Victoria Street, Cape Town
2	Iziko SA National Gallery	80, St Johns Road, Cape Town

3	Iziko SA National Gallery Annexe	80, St Johns Road, Cape Town
4	Iziko Rust & Vreugd	78, Buitenkant Street, Cape Town
5	Iziko Bo-Kaap	71, Wale Street, Cape Town
6	Iziko Social History Centre	11, Church Square, Cape Town
7	Iziko Slave Lodge	Cnr Adderley & Spin Street, Cape Town
8	Iziko Old Townhouse	Cnr Long Market & Burg Street, Cape Town
9	Iziko Koopmans De Wet House	35, Strand Street, Cape Town
10	Iziko William Fehr Collection (Castle)	Castle of Good Hope, Darling Street, Cape Town
11	Iziko Bertram House	41, Orange Street, Cape Town

4.3 TECHNICAL REQUIREMENTS OVERVIEW

4.3.1 PRODUCT REQUIREMENTS

ITEM 1: OEM Agreements

- Bidders must be registered by the Original Equipment manufacturer (OEM).
- Bidders must have Original Equipment manufacturer (OEM) letter of Authority.
- Bidders must comply with the OEM prescribed standards.
- Bidders must comply with the OEM warranties and guarantees.

ITEM 2: GPON Specifications

- Platform that integrates IP service delivery and Ethernet transport into a compact, high-availability, carrier-class modular chassis that delivers high-performance, scalable network solutions for multiple service providers.
- Supports delivery of IP voice (VoIP), IPTV and High-Speed Internet services.

ITEM 3: Optical Line Terminal (OLT) Specifications

- The OLT's Network Interfaces must be extendable and hot-pluggable and must be foreseen with all the possible flexibility and protection mechanisms to allow for seamless network operations and interconnections to the network.

ITEM 4: Optical Network Terminal (ONT) Specifications

- A single-subscriber device that terminates any one of the distributed endpoints of an Optical Distribution Network (ODN), implements a PON protocol between OLT and ONT.
- The ONT must be Type-A: 4 x 100/100/1000 Base-T UNI ports with PoE/PoE+ functionality.
- The ONT is to be deployed in offices, public areas and within rooms and locations where wired services are required. It should also have VLAN forwarding capabilities.

ITEM 5: Wi-Fi Specifications

- Centralized WLAN architecture with “thin” certified Plenum rated Access Point (APs) and centralized switch/controllers, and integrated network management.
- System must be highly available, have no single point of failure and support multiple levels of redundancy (controller, AP, etc.).
- System must support universal authentication (MAC, 802.1X, Integrated Web-based).
- Standard 802.11a/b/g/n/ac support.
- Security enforced Access Control.
- Wireless Intrusion Detection Solution (WIDS)

ITEM 6: Access Network Switches

- Support for high-speed data transfer (minimum 10 Gbps).
- Scalability to accommodate future growth.
- Redundancy and failover capabilities for enhanced reliability.
- Advanced security features to protect against cyber threats.
- Easy integration with existing network components.
- Support for IPv6 and IPv4 protocols.
- VLAN support and advanced Quality of Service (QoS) features.
- Compatibility with industry-standard network management protocols.
- Power over Ethernet (PoE) support for connected devices.
- Layer 3 routing capabilities.

ITEM 7: Network Cabling

- Design and implement a structured cabling system to ensure seamless connectivity across all departments and floors.
- Installation of high-quality fibre splitter boxes to facilitate efficient data transmission.
- Deployment of single-mode fibre cables to ensure optimal performance and reliability in data transfer.
- Install Category 6 (Cat 6) or higher Ethernet cables to meet current and future bandwidth requirements.
- Deploy network outlets strategically to accommodate workstations, printers, and other network devices.
- Establish a centralized distribution point for networking equipment to facilitate easy maintenance and troubleshooting.
- Ensure compliance with industry standards and best practices for network cabling.
- Network jacks, faceplates, and patch panels for connecting devices to the cabling system.
- Cable trays and conduits for organized cable management.
- Rack-mounted cabinets to house networking equipment.
- Deployment of patch panels to organize and manage network connections effectively.
- Cable labels and documentation for clear identification and ease of maintenance.

ITEM 8: Network Monitoring System

- Customization and installation of Network Monitoring System.
- Topology Management.
- Minute level locating of application issues.
- Intelligent application identification.
- Optimize network performance and efficiency.
- Streamline network control and monitoring processes.
- Enhance security measures within the network.
- Provide scalability for future growth.
- Integration with existing network infrastructure.
- Configuration for optimal performance.
- Training for IT staff.
- Ongoing support and maintenance.

ITEM 9: Warranty: Network Infrastructure

5-Year Warranty for Network Hardware Infrastructure

Coverage: The warranty covers all network hardware components supplied, including but not limited to routers, switches, access points, cabling, and related accessories. It guarantees that the hardware will be free from defects in material and workmanship under normal use and service.

Duration: The warranty period is set at 5 years from the date of installation and acceptance of the network hardware infrastructure.

ITEM 10: SLA: Support and Maintenance

5-Year SLA for Network Infrastructure Support and Maintenance

Support Service requirements:

- Technical support via phone or email during regular business hours (Monday to Friday, 8 am to 5 pm).
- Remote assistance for troubleshooting and resolving network issues promptly.
- On-Site Support In cases where remote assistance is insufficient, on-site support to be provided within four (4) hours of the reported issue, as per the severity level.

Maintenance Services:

- Conduct regular maintenance checks to ensure optimal performance and identify potential issues before they become critical.
- Provide scheduled software updates for the network infrastructure components to address security vulnerabilities and enhance functionality.
- In the event of a critical network failure, respond within four (4) hours to address and resolve the issue.

Review and Amendments: This SLA may be amended by mutual agreement between the incumbent company and Iziko to accommodate changing requirements or technology advancements.

4.4 NETWORK REQUIREMENTS FOR NETWORK DESIGN AND IMPLEMENTATION

SERVICE:

- REFER TO ANNEXURE B

5. PRICING SCHEDULE

Prices quoted must be valid for at least 90 (ninety) days from the closing of the bid.

Furthermore, bidders must also submit a quotation on their company's letterhead indicating the total cost including VAT in rands.

6. REQUIREMENTS

The bidding requirements and stages are summarised in the table below:

Table 3: Bidding stages

Stage 1 - Compliance Documents requirements	Stage 2 - Functionality Criteria	Stage 3 - Price and Specific Goals
Bidders must submit all documents as outlined in Table 4 Compliance Documents below. Note: Failure to supply any of the compliance documents stipulated below may lead to disqualification	Bidders are required to achieve a minimum of 70% on functionality criteria to proceed to stage 3 (price and specific goals) Refer Table 6 – Required documents to enable functionality scoring.	Bidders that meet the minimum threshold for functionality will be evaluated for preference point scoring as follows, refer to Table 1: Price – 80 points Specific Goals – 20 points Note: Price and quality of work/product are important factors as it ensures optimum value for money and total cost to Iziko and should cover all goods and services to be delivered to the best standard possible for specified products and assembly methods.

Note: Failure to supply any of the compliance documents stipulated below may lead to disqualification

Table 4: Compliance Documents

Order	Compliance Documents
1	A Valid B-BBEE Certificate or Sworn Affidavit to determine the bidder's status level, as prescribed by the B-BBEE Act, 2003 (Act No. 53 of 2003) as amended and Code of Good Practice Where there will be sub-contracting, the rules must be applied.
2	Central Supplier Database Report – with supplier number and company details (www.csd.gov.za) and Tax Status Verification Pin together with tax registration number.
3	Provide a copy of a valid letter from OEM indicating, Bidder's Name, Bidder is an OEM installer/partner, Date the partnership was established, information stating that the partnership is valid at time of bid. All letters, certificates or licenses must be in writing, dated, signed and on a letterhead of the issuing entity.
4	Completed Occupational Health and Safety Agreement (Annexure B)
5	Completed Confidentiality and Non-Disclosure Agreement (Annexure C)
6	Completed SBD 1 - Invitation to Bid
7	Completed SBD 3.1
8	Completed SBD 3.3 - Pricing Schedule - Professional Services
9	Completed SBD 4 – Bidder's Disclosure
10	Completed SBD 6.1 - Preference Points Claim Form (Preferential Procurement Regulations 2022)

Note: Failure to supply any of the compliance documents stipulated may lead to the Bid not being considered.

7. ELIGIBILITY CRITERIA

To be eligible for functionality evaluation, the bidder must submit the following as the table below. If the bidder did not submit the required document (s) with their bid, they will be requested in writing to submit the documentation within three (3) working days for inclusion as an item for the Bid Evaluation Committee. If a bidder fails to submit on the 3rd working day, the relevant bid will be rejected.

Table 5: Eligibility Criteria

Criteria	Attached (Yes/No)	Comments
CSD Registration Summary Report with a compliant tax status		
Project implementation team members are to be OEM certified (proof of member certification required)		
Valid OEM documentation (Certificate or letter) as proof that the bidder is accredited to supply and Install the LAN Switches, Wireless Infrastructure, cabling including maintenance and support.		

Stage 1 - Required Documents for Functionality

The documents required below in Table 6 will be used for functionality evaluation, bidders are requested to furnish the detailed information to substantiate compliance to each of the evaluation criteria.

Failure to provide these documents will lead to service providers losing functionality points.

Table 6: Required documents for Functionality Evaluation.

Required Documents for Functionality	
1	Index confirming contents of all documents.
2	Cover letter, with signed acceptance of Iziko's invitation and acknowledgement of Iziko's terms and stated requirements attached.
3	A company profile highlighting the following: Team structure assigned to work on this project including project manager. Provide five (5) reference letters from five (5) clients on similar work done.
4	Certified copies of: Company Registration (CIPC) IDs of key personnel Proof of bank account details of company
5	CVs of the different key team members who will work on the project on site.
6	Detailed pricing structure: A pricing schedule detailing a full pricing breakdown, inclusive of VAT.

Evaluation of Proposals

Proposals will be evaluated on price and functionality in accordance with the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000).

Stage 2 - Functionality Criteria

A proposal which scores lower than the minimum overall percentage of 70% (70 points) will be eliminated from further evaluation; will be regarded as non-responsive and will not be evaluated further. All proposals which score 70% (70 points) and more for functionality will be eligible for further evaluation.

Table 7: Evaluation Criteria

Evaluation Area	Evaluation Criteria	Min Points	Max Points
<u>BIDDER EXPERIENCE</u> Proven experience with GPON technology, core switches, Wireless Networks, and cabling infrastructure.	Number of years' experience with GPON technology, core switches, Wireless Networks, and cabling infrastructure (Bidder to provide a company profile) <ul style="list-style-type: none"> • Between 3-5 years proven experience = (10 points) • Between 6 – 10 years proven experience= (20 points) • More than 10 years proven experience= (30 points) 	10	30
<u>CAPABILITY REQUIREMENTS</u> The bidder must have experience in the supply and Installation of the LAN Switches, Wireless Infrastructure and cabling including maintenance and	Provide written proof from clients on their company's letterhead from a duly authorised person responsible for the Network Infrastructure, contact details (email address and telephone number) declaring works performed by the bidder at the client's premises. The letters must stipulate contract period, value and scope of work undertaken and be duly signed by an authorized person with contact details. The reference letters should NOT be appointment or award letters. <ul style="list-style-type: none"> • 1 - 2 reference letters = (10 points) • 3 – 4 reference letters = (20 points) 	10	30

support of at least 3 years.	<ul style="list-style-type: none"> • 5 – references letters = (30 points) <p>Note: IZIKO reserves the right to verify the information provided.</p> <p>NB: Letters of Reference must not be older than 5 years</p>		
<u>PRODUCT / SERVICE FUNCTIONAL REQUIREMENT</u> The bidder must confirm compliance to the functional Product / Service Functional requirements for the LAN Switches, Wireless Infrastructure, and cabling.	The bidder must confirm that they comply with all the Product / Service Functional Requirements by completing Annexure A	0	30
<u>CERTIFICATION OF OEM TEAM</u>	Certified OEM Project Implementation Team (Proof of Certification)	0	10
Total			100

Stage 3 – Price and Specific Goals Allocated Points

Awarding of Preference Points

Proposals that meet the minimum stipulated threshold for functionality criteria will be evaluated based on preference points as described in the Preference Point System stipulated in the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000).

The criteria for apportioned and weighted preference points for this tender are as follows:

Table 8: Preference Point Criteria

Preference Point Criteria		Points Allocation
1.	Price	80
2.	Specific Goals allocated Points	20
Total Points		100

Price schedule must include a breakdown of the different disciplines and any other services and components as listed in scope of work. Refer to Appendix B.

Specific Goals

Preference Claim Form (SBD 6.1) must form part of all bids submitted. This form serves as a claim form for preference points for Specific Goals contribution.

8. SUMMARY OF GENERAL PRINCIPLES

Iziko will apply the 80/20 preferential points system.

Iziko applies the provisions of the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000) and the Public Finance Management Act, 1999 (Act No. 1 of 1999).

The lowest or only proposal received will not necessarily be accepted.

Iziko reserves the right to withdraw its decision to seek the provision of these services at any time. There will be no discussions with any bidder until a final decision has been taken by the Bid Adjudication Committee. Any subsequent discussions shall be at the discretion of Iziko.

9. REASONS FOR DISQUALIFICATION

Iziko may disqualify any proposal for any one or more of the following reasons:

- a bidder submits a proposal late.
- a bidder submits a proposal via facsimile or e-mail.
- a bidder does not submit required documents.
- a bidder submits incomplete documentation and/or information as per the requirements; and
- a bidder submits information which is fraudulent, factually untrue, or inaccurate.
- “Confirmation of the required level of insurance or access thereto.

[If confirmation/proof of insurance is not duly confirmed, the risk to Employer will be regarded as unacceptable and render the tender unacceptable on grounds of not being to specification. The Employer retains the right to request documentary proof of such insurance or access thereto as part of the tender evaluation process. Unconfirmed insurance will render the tenders unacceptable i.t.o. risk and excluded from further consideration.

Any such disqualification may take place without prior notice to the applicable bidder.

10. DECLARATION

The undersigned, who warrants that he / she is duly authorized to do so on behalf of the enterprise:

- i) confirms that neither the name of the enterprise or the name of any partner, manager, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears on the Register of Tender Defaulters established in terms of the Prevention and Combating of Corrupt Activities Act of 2004;
- ii) confirms that no partner, member, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears, has within the last five years been convicted of fraud or corruption;
- iii) confirms that I / we are not associated, linked or involved with any other tendering entities submitting tender offers and have no other relationship with any of the tenderers or those responsible for compiling the scope of work that could cause or be interpreted as a conflict of interest; and ;
- iv) confirms that the contents of this questionnaire/forms (SBD 4, & 6.1) are within my personal knowledge and are to the best of my belief both true and correct
- v) accept that, in addition to cancellation of a contract, action may be taken against me should the Declaration prove to be false.

Signed

Date

.....

.....

Name

Position

.....

.....

*Enterprise
name*

.....

Please note that if the supporting documentation is not provided then the submission will be classified as non-responsive.

1. Disqualification

Please note that if a bid document is not filled in correctly or completely, or complied with the specification, or is delivered/send after the bid closing date and time, or the supplier is not registered on the CSD or supplier has a non-compliant tax status, then unfortunately that bidder maybe disqualified. Please return this document with the supporting documents.

11. FORMAL CONTRACT

The proposal and appended documentation, all completed and read together, form the basis for a formal agreement to be negotiated and concluded in a formal contract between Iziko and the preferred bidder. A mere offer and acceptance shall not constitute a formal contract of any nature for any purpose between Iziko and the preferred bidder.

Mr. Andre Makka
ICT Manager

DATE

Ms Ronell Pedro
CHIEF FINANCIAL OFFICER

DATE

Dr Bongani Ndhlovu
ACTING CHIEF EXECUTIVE OFFICER

DATE

ANNEXURE A

NB: The bidder must confirm that they comply with the following Technical Mandatory Functional Requirements as indicated below as this will be contractually binding:

Description	Product/ Service requirements	Indicate Yes= Comply No = Not Comply
Hardware Solution requirements	<p>GPON Specifications</p> <ul style="list-style-type: none"> • Platform that integrates IP service delivery and Ethernet transport into a compact, high-availability, carrier-class modular chassis that delivers high-performance, scalable network solutions for multiple service providers. • Supports delivery of IP voice (VoIP), IPTV and High-Speed Internet services. <p>Optical Line Terminal (OLT) Specifications</p> <ul style="list-style-type: none"> • The OLT's Network Interfaces must be extendable and hot-pluggable and must be foreseen with all the possible flexibility and protection mechanisms to allow for seamless network operations and interconnections to the network. <p>Optical Network Terminal (ONT) Specifications</p> <ul style="list-style-type: none"> • A single-subscriber device that terminates any one of the distributed endpoints of an Optical Distribution Network (ODN), implements a PON protocol between OLT and ONT. • The ONT must be Type-A: 4 x 100/100/1000 Base-T UNI ports with PoE/PoE+ functionality. • The ONT is to be deployed in offices, public areas and within rooms and locations where wired services are required. It should also have VLAN forwarding capabilities. <p>Wi-Fi Specifications</p> <ul style="list-style-type: none"> • Centralized WLAN architecture with "thin" certified Plenum rated Access Point (APs) and centralized switch/controllers, and integrated network management. • System must be highly available, have no single point of failure and support multiple levels of redundancy (controller, AP, etc.). 	

	<ul style="list-style-type: none"> • System must support universal authentication (MAC, 802.1X, Integrated Web-based). • Standard 802.11 a/b/g/n/ac support. • Security enforced Access Control. • Wireless Intrusion Detection Solution (WIDS) <p>Access Network Switches</p> <ul style="list-style-type: none"> • Support for high-speed data transfer (minimum 10 Gbps). • Scalability to accommodate future growth. • Redundancy and failover capabilities for enhanced reliability. • Advanced security features to protect against cyber threats. • Easy integration with existing network components. • Support for IPv6 and IPv4 protocols. • VLAN support and advanced Quality of Service (QoS) features. • Compatibility with industry-standard network management protocols. • Power over Ethernet (PoE) support for connected devices. • Layer 3 routing capabilities. 	
<p>Network Cabling Requirements</p>	<p>Network Cabling</p> <ul style="list-style-type: none"> • Design and implement a structured cabling system to ensure seamless connectivity across all departments and floors. • Installation of high-quality fibre splitter boxes to facilitate efficient data transmission. • Deployment of single-mode fibre cables to ensure optimal performance and reliability in data transfer. • Install Category 6 (Cat 6) or higher Ethernet cables to meet current and future bandwidth requirements. • Deploy network outlets strategically to accommodate workstations, printers, and other network devices. • Establish a centralized distribution point for networking equipment to facilitate easy maintenance and troubleshooting. • Ensure compliance with industry standards and best practices for network cabling. 	

	<ul style="list-style-type: none"> • Network jacks, faceplates, and patch panels for connecting devices to the cabling system. • Cable trays and conduits for organized cable management. • Rack-mounted cabinets to house networking equipment. • Deployment of patch panels to organize and manage network connections effectively. • Cable labels and documentation for clear identification and ease of maintenance 	
<p>Network Monitoring Requirements</p>	<p>Network Monitoring System</p> <ul style="list-style-type: none"> • Customization and installation of Network Monitoring System • Topology Management • Minute Level locating of application issues. • Intelligent application identification • Optimize network performance and efficiency. • Streamline network control and monitoring processes. • Enhance security measures within the network. • Provide scalability for future growth. • Integration with existing network infrastructure. • Configuration for optimal performance. • Training for IT staff. • Ongoing support and maintenance. 	
<p>Warranty: Network Infrastructure</p>	<p><i>5-Year Warranty for Network Hardware Infrastructure</i></p> <p>Coverage: The warranty covers all network hardware components supplied, including but not limited to routers, switches, access points, cabling, and related accessories. It guarantees that the hardware will be free from defects in material and workmanship under normal use and service.</p> <p>Duration: The warranty period is set at 5 years from the date of installation and acceptance of the network hardware infrastructure.</p>	

SLA: Support and Maintenance	<p><i>5-Year SLA for Network Infrastructure Support and Maintenance</i></p> <p>Support Services: Will provide technical support via phone or email during regular business hours (Monday to Friday, 8 am to 5 pm). Remote assistance will be available for troubleshooting and resolving network issues promptly. On-Site Support In cases where remote assistance is insufficient, on-site support will be provided within four (4) hours of the reported issue, as per the severity level.</p> <p>Maintenance Services: Conduct regular maintenance checks to ensure optimal performance and identify potential issues before they become critical. Provide scheduled software updates for the network infrastructure components to address security vulnerabilities and enhance functionality. In the event of a critical network failure, will respond within four (4) hours to address and resolve the issue.</p> <p>Review and Amendments: This SLA will be subject to periodic review and may be amended by mutual agreement between the incumbent company and Iziko to accommodate changing requirements or technology advancements.</p>	
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I, the bidder (Full names) representing
 (company name) hereby confirm
 that I comply with all the above Technical Mandatory Requirements and understand that
 it will form part of the contract and is legally binding.

Thus, done and signed at on this.....day
 of.....20....

Signature.....

Designation.....

Annexure B: Bill of Materials

No	Deliverable/Output Description	Qty
1	Iziko SA Museum and Planetarium	
	Network Design and Implementation Service	1
	Network Monitoring System - Equivalent to Huawei iMaster NCE including Hardware, Licenses	1
	Wireless Access Controller - Equivalent to Huawei AC6508	2
	GPON OLT - Equivalent to Huawei SmartAX EA5800-X2	1
	Warranty Next Business Day (5 Years)	5
2	Iziko Bo-Kaap	
	Wireless Access Point - Equivalent to Huawei AirEngine 5761-11	4
	24 Port Switch - Equivalent to Huawei CloudEngine S5735-L24P4XE-A-V2	1
	10G-LR SFPs	2
	Warranty Next Business Day (5 Years)	5
	CAT6 Solid Cable Network Points (Axil Equivalent)	24
	12U Rack Mount Cabinet 600 Deep	1
	24 Port Patch Panel (Axil Equivalent)	1
	1U Short Base Brush Panels	2
	1m CAT6 Patch Leads Moulded (Axil Equivalent)	24
	3m 1m CAT6 Patch Leads Moulded (Axil Equivalent)	24
	Mimic Label (White on Blue)	24
3	Iziko William Fehr Collection (Castle)	
	Wireless Access Point - Equivalent to Huawei AirEngine 5761-11	21
	24 Port Switch - Equivalent to Huawei CloudEngine S5735-L24P4XE-A-V2	2
	10G-LR SFPs	4
	Warranty Next Business Day (5 Years)	5
	CAT6 Solid Cable Network Points (Axil Equivalent)	48
	12U Rack Mount Cabinet 600 Deep	1
	24 Port Patch Panel (Axil Equivalent)	2
	1U Short Base Brush Panels	4
	1m CAT6 Patch Leads Moulded (Axil Equivalent)	48
	3m 1m CAT6 Patch Leads Moulded (Axil Equivalent)	48
	Mimic Label (White on Blue)	24
4	Iziko Rust & Vreugd	
	Wireless Access Point - Equivalent to Huawei AirEngine 5761-11	10
	48 Port Switch - Equivalent to Huawei CloudEngine S5735-L48LP4XE-A-V2	1
	10G-LR SFPs	2

No	Deliverable/Output Description	Qty
	Warranty Next Business Day (5 Years)	5
	CAT6 Solid Cable Network Points (Axil Equivalent)	48
	12U Rack Mount Cabinet 600 Deep	1
	24 Port Patch Panel (Axil Equivalent)	2
	1U Short Base Brush Panels	4
	1m CAT6 Patch Leads Moulded (Axil Equivalent)	48
	3m 1m CAT6 Patch Leads Moulded (Axil Equivalent)	48
	Mimic Label (White on Blue)	24
5	Iziko Slave Lodge	
	Wireless Access Point - Equivalent to Huawei Air Engine 5761-11	28
	Wireless Access Point - Equivalent to Huawei Air Engine 5761R-11	1
	48 Port Switch - Equivalent to Huawei Cloud Engine S5735-L48LP4XE-A-V2	1
	10G-LR SFPs	2
	Warranty Next Business Day (5 Years)	5
	CAT6 Solid Cable Network Points (Axil Equivalent)	48
	12U Rack Mount Cabinet 600 Deep	1
	24 Port Patch Panel (Axil Equivalent)	2
	1U Short Base Brush Panels	4
	1m CAT6 Patch Leads Moulded (Axil Equivalent)	48
	3m 1m CAT6 Patch Leads Moulded (Axil Equivalent)	48
	Mimic Label (White on Blue)	48
6	Iziko Old Townhouse	
	Wireless Access Point - Equivalent to Huawei AirEngine 5761-11	5
	24 Port Switch - Equivalent to Huawei CloudEngine S5735-L24P4XE-A-V2	1
	10G-LR SFPs	2
	Warranty Next Business Day (5 Years)	5
	CAT6 Solid Cable Network Points (Axil Equivalent)	24
	12U Rack Mount Cabinet 600 Deep	1
	24 Port Patch Panel (Axil Equivalent)	1
	1U Short Base Brush Panels	2
	1m CAT6 Patch Leads Moulded (Axil Equivalent)	24
	3m 1m CAT6 Patch Leads Moulded (Axil Equivalent)	24
	Mimic Label (White on Blue)	24
7	Iziko Koopmans De Wet House	
	Wireless Access Point - Equivalent to Huawei AirEngine 5761-11	4
	24 Port Switch - Equivalent to Huawei CloudEngine S5735-L24P4XE-A-V2	1
	10G-LR SFPs	2
	Warranty Next Business Day (5 Years)	5
	CAT6 Solid Cable Network Points (Axil Equivalent)	24
	12U Rack Mount Cabinet 600 Deep	1
	24 Port Patch Panel (Axil Equivalent)	1
	1U Short Base Brush Panels	2

	1m CAT6 Patch Leads Moulded (Axil Equivalent)	24
	3m 1m CAT6 Patch Leads Moulded (Axil Equivalent)	24
No	Deliverable/Output Description	Qty
.	Mimic Label (White on Blue)	24
8	Iziko SA National Gallery	
	Wireless Access Point - Equivalent to Huawei AirEngine 5761-11	23
	Wireless Access Point - Equivalent to Huawei AirEngine 5761R-11	1
	4 Port ONU - Equivalent to Huawei OptiXstar P613E-2	2
	8 Port ONU - Equivalent to Huawei OptiXstar P613E-E	10
	Warranty Next Business Day (5 Years)	5
	ODN SPL12(Rack-mounted Splitter)	2
	Wall Mount Fibre enclosure - 24 Core LC Enclosure	1
	24 Core Single Mode - HDD	150
	2m Single Mode Lead - LC - LC Simplex Lead	13
	2m Single Mode Lead - LC - LC Duplex	4
	24 port Fibre Tray - 24/48 Port LC Fibre Tray	1
	Splice Cassette - Standard - Black	1
	LC - Single Mode Mid-Coupler	30
	LC - Unjacketed Pigtails	60
	2 Port Fibre Mouse Pad	6
	2 Core Drop Single LCD Fibre	500
	CAT6 Solid Cable Network Points (Axil Equivalent)	136
	12U Rack Mount Cabinet 600 Deep	2
	1U Short Base Brush Panels	1
	3m 1m CAT6 Patch Leads Moulded (Axil Equivalent)	136
	Mimic Label (White on Blue)	136
9	Iziko SA National Gallery Annexe	
	Wireless Access Point - Equivalent to Huawei AirEngine 5761-11	7
	24 Port Switch - Equivalent to Huawei CloudEngine S5735-L24P4XE-A-V2	1
	10G-LR SFPs	2
	Warranty Next Business Day (5 Years)	5
	CAT6 Solid Cable Network Points (Axil Equivalent)	24
	12U Rack Mount Cabinet 600 Deep	1
	24 Port Patch Panel (Axil Equivalent)	1
	1U Short Base Brush Panels	2
	1m CAT6 Patch Leads Moulded (Axil Equivalent)	24
	3m 1m CAT6 Patch Leads Moulded (Axil Equivalent)	24
	Mimic Label (White on Blue)	24
10	Iziko Social History Centre	
	Wireless Access Point - Equivalent to Huawei AirEngine 5761-11	36
	48 Port Switch - Equivalent to Huawei CloudEngine S5735-L48LP4XE-A-V2	6
	10G-SR SFPs	12
	10G-LR SFPs	2

	Warranty Next Business Day (5 Years)	5
	CAT6 Solid Cable Network Points (Axil Equivalent)	36
	24 Port Patch Panel (Axil Equivalent)	2
	1U Short Base Brush Panels	12
No	Deliverable/Output Description	Qty
	1m CAT6 Patch Leads Moulded (Axil Equivalent)	288
	3m 1m CAT6 Patch Leads Moulded (Axil Equivalent)	288
	Mimic Label (White on Blue)	288
11	Iziko Bertram House	
	Wireless Access Point - Equivalent to Huawei AirEngine 5761-11	5
	24 Port Switch - Equivalent to Huawei CloudEngine S5735-L24P4XE-A-V2	1
	10G-LR SFPs	2
	Warranty Next Business Day (5 Years)	5
	CAT6 Solid Cable Network Points (Axil Equivalent)	24
	12U Rack Mount Cabinet 600 Deep	1
	24 Port Patch Panel (Axil Equivalent)	1
	1U Short Base Brush Panels	2
	1m CAT6 Patch Leads Moulded (Axil Equivalent)	24
	3m 1m CAT6 Patch Leads Moulded (Axil Equivalent)	24
	Mimic Label (White on Blue)	24
12	Hardware Spares	
	10G-SR SFPs	2
	10G-LR SFPs	6
	Wireless Access Point - Equivalent to Huawei AirEngine 5761-11	2
	24 Port Switch - Equivalent to Huawei CloudEngine S5735-L24P4XE-A-V2	1
	4 Port ONU - Equivalent to Huawei OptiXstar P613E-2	2
	8 Port ONU - Equivalent to Huawei OptiXstar P613E-E	4
	Warranty Next Business Day (5 Years)	5
13	Support & Maintenance	
	SLA for five (5) Years	5

IZIKO RESERVES THE RIGHT TO AMEND HARDWARE AND NETWORK QUANTITIES