



**REQUEST FOR QUOTATION (RFQ) FOR THE APPOINTMENT OF A SERVICE PROVIDER FOR FABRICATION & INSTALLATION OF EXHIBITION INTERACTIVES.**

|                                             |                                                                                                                                                                                                                                                                       |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reference Number</b>                     | <b>IZIKO R &amp; E RFQ 2025/02/03</b>                                                                                                                                                                                                                                 |
| <b>Description</b>                          | <b>Sand Box, Tracing Table, Fishing Game, Muizenberg Chairs</b>                                                                                                                                                                                                       |
| <b>Address</b>                              | Iziko South African Museum,<br>25 Queen Victoria Street, Cape Town, 8001                                                                                                                                                                                              |
| <b>Attention</b>                            | Sikelwa Madlavu                                                                                                                                                                                                                                                       |
| <b>Issued Date</b>                          | 06 February 2025                                                                                                                                                                                                                                                      |
| <b>Closing date and time for submission</b> | 14 February 2025 @11:00am                                                                                                                                                                                                                                             |
| <b>Method of delivery</b>                   | Quotes / Proposals, and accompanying documentation, must be emailed to <a href="mailto:smadlavu@iziko.org.za">smadlavu@iziko.org.za</a> , <a href="mailto:idantile@iziko.org.za">idantile@iziko.org.za</a> and <a href="mailto:scm@iziko.org.za">scm@iziko.org.za</a> |
| <b>Technical enquiries</b>                  | Dylan Clarke <a href="mailto:dclarke@iziko.org.za">dclarke@iziko.org.za</a><br>cc" N Mazibuko <a href="mailto:nmazibuko@iziko.org.za">nmazibuko@iziko.org.za</a>                                                                                                      |

|                                            |  |
|--------------------------------------------|--|
| <b>Name of Company</b>                     |  |
| <b>CSD Supplier Number (MA.....Number)</b> |  |
| <b>B-BBEE Status Level of Contribution</b> |  |
| <b>Quote Price (Incl Vat)</b>              |  |
| <b>Signature</b>                           |  |

## REQUEST TO QUOTE

Iziko Museums of South Africa invites suitably qualified service providers to submit quotations for:

### INTERACTIVE ELEMENTS FABRICATION AND INSTALLATION FOR THE SEA AND US EXHIBITION

#### 1. PROJECT DEADLINE:

**The completed installation is required no later than 10 March 2025.**

The exhibition opens on 22 March 2022.

***NB:** Quotations and documentation are to be submitted on 12 February 2025.*

#### 2. BRIEF:

We require interactives for Sea and Us. This exhibit aims to highlight the important role research plays in marine science and exploration. For measurements and design see

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### Scope of Work and Specifications

#### A. Sandbox (see Appendix A for measurements and design)

##### **Project Overview**

This sandbox is designed as a curved, interactive play area for children in an exhibition setting. It features a sleek, curved design for visual appeal, practical functionality, and enhanced safety. The sandbox is tailored to contain kinetic sand, ensuring minimal spillage and easy maintenance.

##### **Specifications**

#### 1. **Shape and Dimensions**

- **Shape:** Curved as per the dimensions specified in the **Annexure 1**.
- **Size:** Conforms to annexure specifications, providing adequate play area for multiple children.

#### 2. **Material**

- **Frame:** Constructed from bendy plywood (or equivalent), known for its durability, flexibility, and smooth finish.
- **Lining:** The inside is sealed with a non-toxic, waterproof, and sand-compatible coating to ensure longevity and easy cleaning.

#### 3. **Sand Depth and Containment**

- **Kinetic Sand Layer:** Minimum 15 cm depth of kinetic sand.
- Annexure 2**

- **Sandbox Height:** Additional 20 cm above the sand layer to contain the sand and minimize spillage during play.
- **Lip:** An overhanging lip is integrated along the top edge of the sandbox to further reduce the chances of sand escaping.
- 4. **Safety and Stability**
  - **Sturdiness:** Reinforced base and frame to withstand heavy use in a public exhibition setting.
  - **Smooth Finish:** All edges and surfaces are rounded and sanded to prevent splinters or injuries.
- 5. **Accessories**
  - **Play Molds:** Include 5 durable, child-safe moulds in various shapes (e.g., animals, geometric forms, castles) to encourage creative and sensory play. **Annexure 2.**
- 6. **Colour and Finish**
  - Finished with child-safe, non-toxic paint or varnish in vibrant or natural tones, ensuring an attractive and engaging appearance.
- 7. **Installation Requirements**
  - Ensure the sandbox is securely anchored to the floor or provided with a skid-proof base to prevent movement during use.

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#### **Additional Notes**

- The sandbox is designed for long-term use, prioritizing safety, durability, and ease of cleaning.
- Materials and design should comply with child safety and environmental standards.

### **B. Tracing Table for Children's Exhibition (see Appendix B for measurements and design)**

#### **Project Overview**

This tracing table is designed for children to engage in creative tracing activities. It includes accessibility features for children in wheelchairs, integrating practical and safe lighting for optimal tracing conditions. The table accommodates individual and group use, ensuring a versatile, inclusive, and interactive experience.

#### **Specifications**

1. **Shape and Dimensions**
  - **Shape and Size:** As specified in the annexure. **Appendix B**
  - **Base and Frame:**
    - High-quality wood for a sturdy and durable structure,
    - Marine ply or similar water resistance material used on base/leg.
    - Finished with a smooth, child-safe paint coating, that is washable and cleanable, (Dulux Easy-care or equivalent)
    - Paint finish colour: Pantone 3385CP.
  - **Accessible Design:** At least one section of the table includes base inset far enough to allow wheelchair users to comfortably sit and trace (adequate knee clearance), adhering to accessibility standards.

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- 2. **Acrylic Case**
  - Acrylic case on top to securely hold museum objects. The acrylic is transparent, durable, and scratch-resistant to ensure longevity and clarity.
  - The case is **lockable**, providing security for objects stored inside.
- 3. **Light Boxes**
  - **Light Boxes:**
    - Located on each long side of table as per annexure flush with the raised facet.
    - Each light box must be individually, dimmable with 3000K (warm white) lighting for optimal visibility and comfort.
    - Designed allowing access to electrical components for maintenance, without compromising safety of visitors.
    - Includes air vents in concealed areas to dissipate heat and maintain optimal lighting performance.
    - Ventilation and electrical access points must be discreetly integrated to maintain the table's clean aesthetic.
    - The table must be equipped with a securely installed 20m power lead. The lead will traverse the floor, appropriate cable management and regulation-compliant tripping protection must be implemented to ensure safety and prevent hazards.
- 4. **Paper Holders:**
  - Paper holders integrated into the short sides of the table for easy access to paper and organization.
- 5. **Integrated Tools**
  - **Pen/Pencil Holders:** Built into the base of the table as per annexure drawing, ensuring tools are securely stored but easily accessible during use.
- 6. **Safety and Maintenance**
  - Rounded edges and corners to prevent injuries.
  - Sturdy construction to withstand frequent use in a public exhibition setting.
  - Easy access to electrical components for maintenance without compromising safety.

## **Additional Notes**

### **Health and Safety (Occupational Health and Safety Act)**

- The construction, installation, and use of all elements must comply with the Occupational Health and Safety Act to ensure public safety.

### **Maintenance and Durability**

- All elements must be easy to clean and maintain, as they will be in a public exhibition setting. Materials should resist wear and tear, including exposure to handling, environmental conditions, and potential spills.

### **Safety Glass Requirements (SANS 10400-N & SANS 1263)**

- Acrylic is equivalent to glass in function. While SANS 1263 doesn't explicitly cover acrylic, its principles—impact resistance, marking for compliance, and appropriate thickness—are relevant.

### **Structural Design (SANS 10400-B)**

- All elements must be structurally sound to withstand public use, especially taking to account they will be in high-traffic exhibition areas. Load-bearing capabilities and material durability should adhere to SANS 10400-B standards.

### **C. Fishing Game for Children's Exhibition (Boat with Vinyl Integration) (see Appendix C for measurements and design)**

#### **Project Overview**

The "Fishing" game is an interactive educational activity, where children fish from a life-sized boat placed on a custom-installed **water feature vinyl**, designed to simulate the ocean. The game teaches children about South African marine species while promoting sustainable fishing practices. This RTQ covers the printing and installation of the vinyl, moving and securing the boat, and fabricating, testing, and setting up a functional fishing game.

#### **Specifications**

##### **Vinyl Installation**

- **Material:** High-quality **water feature vinyl floor decal**, designed to replicate the look of rippling water.
- **Fitting:**
  - The vinyl must be trimmed, and custom-fitted under and around the boat to match the design specifications.
  - It must be securely affixed to the floor to prevent tripping hazards or movement during use. Strongest mat laminated for protection
  - The edges must be smooth and firmly secured to avoid any hazards, and all adhesives or securing methods must be child-safe.

##### **Boat Installation**

- **Placement:** Move and position the boat within the designated area on the vinyl.
- **Anchoring:**

- The boat, which is already fabricated and on-site, must be anchored securely to the floor to ensure stability during gameplay, preventing any tipping or movement.

## **Magnetic Fishing Game Fabrication**

### **1. Marine Species**

- **Variety:** Represent different type of South African marine life that is targeted for fishing/harvesting, ensuring diversity and local relevance as directed by the Curator.
  - **Design:**
    - Flat, laser-cut marine species on wood or similar, with vibrant prints of species on one side and South African Sustainable Seafood Initiative designation on the reverse side
  - **Material:**
    - Direct print to wood or other durable material.
    - Mat laminate finish to protect the printed designs from wear and tear, ensuring longevity and preserving the aesthetic quality of the fish during extended use.
    - Magnet appropriate to weight of fish must be securely fixed to each fish.
- **Quantity:** Four replicates of six species (ie., 24 items) for active gameplay, with 48 kept in reserve for maintenance or replacement.

### **2. Fishing Rods**

- **Design:**
  - Child-friendly and lightweight rod, with a magnetic 'hook' must be securely attached to the end of the line for easy fishing. No reel required.
- **Material:**
  - Durable wood rods, with handles and a smooth finish, ensuring comfort and safety for children.
  - The line must be child-friendly and safe.
  - Magnet appropriate to weight of fish must be securely fixed as 'hook'.
  - Finish should be easy to wipe down and clean with hand sanitiser.
- **Quantity:** 8 rods in total:
  - 4 rods for active gameplay.
  - 4 additional rods kept in reserve for maintenance or replacement.

### **3. Game Functionality**

- **Magnetic Components:**
  - Magnets in the rods and fish must align correctly to ensure ease of "catching" while still providing a challenge to keep the game engaging.
  - All magnetic components must be securely embedded in the fish and rods to prevent detachment during use.

## **Safety and Durability**

- All components (vinyl, rods, fish) must comply with child safety standards, featuring rounded edges and non-toxic finishes.
- The boat is already built and painted on-site.
- Vinyl installation must meet SANS 10400 safety regulations to avoid tripping hazards or unstable flooring.

#### **D. Muizenberg Chairs (see Appendix A for measurements and design)**

##### **Project Overview**

The "Muizenberg Beach Chairs" is an interactive educational display where parents engage with artistically designed beach chairs inspired by the vibrant culture and history of Muizenberg. The chairs afford parents to take a seat and learn more about beach culture, while their children enjoy the exhibition. This RTQ covers the fabrication and placement of the chairs.

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##### **Specifications**

- **Fabrication and Installation:** Design, construct, and securely install **TEN (10)** durable parent-sized beach chairs.
- **Materials:**
  - Must be made from **strong, weather-resistant recycled materials**, such as **reclaimed wood, recycled plastic, or eco-friendly composites**.
  - Materials should be **non-toxic, smooth-finished, and splinter-free** for safety.
- **Specifications:**
  - Ergonomic design suitable for **holding a weight of 120Kg**.
  - Sturdy, **weight-bearing structure** ensuring stability and safety.
  - Reinforced joints and anti-tip features.
- **Printing and Branding:**
  - Vibrant, eco-friendly, non-toxic painting methods.
- **Transport and Setup:**
  - Safe transportation and **secure placement** of chairs on-site.
  - Stability testing to ensure **durability and child safety**.

The final product must be **environmentally sustainable, safe for children, and built for long-term indoor use**.

##### **Contingency**

Include a contingency of R20 000 in your quote.

### Prototype and Sign-Off

A **prototype** for each interactive component (Catch and Release Game, Sandbox, and Tracing Table) will be developed and submitted for **Iziko's approval** prior to final installation. The prototype will serve as a simulation of the actual gameplay or interaction experience, enabling Iziko to assess the design, functionality, and educational or engagement value of the components. The prototype will be presented for review and approval, ensuring all aspects of the design meet the required standards and expectations. Only upon receiving Iziko's formal sign-off will the final production and installation proceed.

### OUTPUT/DELIVERABLES:

- Onsite inspection
- Full fabrication of the **sand box / Tracing table / Fishing Game/ Muizenberg Chairs**
- Collection, delivery, and installation to the Iziko South African Museum (ground floor) when fabrication is complete.
- All deliverables are to be completed by 10 March 2025 or before.

### 3. QUOTATION FORMAT:

| Item             | ZAR     |
|------------------|---------|
| Sand Box         |         |
| Tracing Table    |         |
| Fishing Game     |         |
| Muizenberg Chair |         |
| Contingency      | R20 000 |

A.

### 4. PRICING ON QUOTATIONS

The price must be stated in South African Rand (incl. VAT) if registered for VAT. Detailed pricing schedule inclusive of VAT and any additional cost such as import taxes (if applicable) transport and installation costs etc. The quote should be laid out for each of the object line items listed above in the brief.

### 5. VALIDITY PERIOD OF QUOTATION

Quotations must be valid for a minimum period of sixty (60) days calculated from the closing date of the request to quote.

## 6. ADDITIONAL DOCUMENTATION REQUIRED

- Central Supplier Database (CSD) supplier number
- Valid B-BBEE Certificate certified
- SBD 4 – Declaration of Interest
- SBD 6.1 Preference points claim.
- Tax Pin (requested if needed)
- Portfolio of design and production work.

## 7. PREFERENCE POINTS CLAIM

SBD 6.1 Preference Points Claim form in terms of the Preferential Procurement Regulations of 2022. The points are allocated as follows:

**Table 1: Preference Point System**

|          | SPECIFIC GOALS ALLOCATED POINTS                                                                                                                                          | PREFERENCE POINTS (80/20)<br>≥R50 MIL | Evidence                                                                                                                                                                                      |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|          | <ul style="list-style-type: none"> <li>• <u>Persons, or categories of persons, historically disadvantaged- (HDI) by unfair discrimination on the basis of</u></li> </ul> |                                       |                                                                                                                                                                                               |
| <u>2</u> | <b>Race are black persons (ownership)*</b><br>50% or more black ownership = 20 points<br>Less than 50% black ownership = 10 points<br>0% black ownership = 0 points      | 20                                    | <ul style="list-style-type: none"> <li>• Proof of B-BBEE certificate;</li> <li>• Company Registration Certification</li> <li>• Identification Documentation.</li> <li>• CSD report</li> </ul> |

## 8. PORTFOLIO SCORING AND ASSESSMENT

A proposal which scores lower than the minimum overall percentage of 70% (70 out of 100) will be disqualified.

| Criteria  | Description                                                          | Weight    |
|-----------|----------------------------------------------------------------------|-----------|
| Bendy Ply | Based on the surface quality of the bendy ply as determined from the | 60 points |

|               |                                                                              |           |
|---------------|------------------------------------------------------------------------------|-----------|
|               | sample provided by the supplier.                                             |           |
| Delivery date | Demonstrated ability to meet the delivery dates detailed in the brief above. | 40 points |

**Assessment key:**

- 0 – does not meet criteria
- 1 – meets criteria somewhat
- 2 – adequately meets criteria
- 3 – meets criteria well
- 4 – successfully meets criteria

## **9. FORMAL CONTRACT**

This quotation and appended documentation read together to form the basis for an agreement to be negotiated and concluded in a formal contract between Iziko and the preferred service provider. A mere offer and acceptance shall not constitute a formal contract of any nature for any purpose between Iziko and the preferred provider.

We reserve the right to remove line items and change quantities as per budget requirements.

## **10. REFERENCES AND PORTFOLIO**

Supply contactable details of clients for reference purposes and a sample of bendy ply.

## **11. ENQUIRIES**

Technical Requirements:

Dylan Clarke: Curator [dclarke@iziko.org.za](mailto:dclarke@iziko.org.za)

## Appendix A –Sand box

### DESIGN & MEASUREMENTS



### ANNEXURE 2



## Appendix B – Tracing Table for Children

### DESIGN & MEASUREMENTS



## Appendix C – Catch and Release Game for Children

### REFERENCE DESIGN



## Appendix D – Muizenberg Chairs



**Reference design** – The Chair colours and design are influences by Muizenberg Surfers Corner Changing rooms.

