



Warning against tender scams: The WRC urges members of the public to report any suspicious Request for Quotation, Purchase Order or Letter of Award to its Fraud Hotline on 0800 227 007 or email: hotline@kpmg.co.za. If a request or procurement communication appears to be suspicious Suppliers are advised to contact the WRC Supply Chain Management office on 012 761 9300 to verify its authenticity

PART A INVITATION TO BID (SBD1)

| | | | | | |
|--|--|---------------|--|--|-------|
| RFQ/P NUMBER: | 058-08-23-24 | CLOSING DATE: | 25 AUGUST 2023 | CLOSING TIME: | 24h00 |
| DESCRIPTION OF GOODS/SERVICES | APPOINTMENT OF A PROFESSIONAL VIRTUAL REALITY (VR) EXPERIENCE DEVELOPERS TO DESIGN AND DELIVER VR INTERACTIVE EXPERIENCES TO SHOWCASE THREE (3) SANITATION TECHNOLOGIES FOR SASTEP. INCLUDING HOSTING AND SUPPORT FOR A PERIOD OF THREE (3) YEARS | | | | |
| BID RESPONSE DOCUMENTS MAY BE EMAILED TO: quotations@wrc.org.za (No hand delivered quotation or sent to a different email than the one specified shall not be accepted) | | | | | |
| RFQ VALIDITY PERIOD: 90 DAYS | | | | | |
| BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO | | | TECHNICAL ENQUIRIES MAY BE DIRECTED TO: | | |
| CONTACT PERSON | Supply Chain Management | | CONTACT PERSON | Supply Chain Management | |
| TELEPHONE NUMBER | 012 761 9300 | | TELEPHONE NUMBER | 012 761 9300 | |
| E-MAIL ADDRESS | quotations@wrc.org.za | | E-MAIL ADDRESS | quotations@wrc.org.za | |
| SUPPLIER INFORMATION | | | | | |
| NAME OF BIDDER | | | | | |
| POSTAL ADDRESS | | | | | |
| STREET ADDRESS | | | | | |
| TELEPHONE NUMBER | CODE | | NUMBER | | |
| CELLPHONE NUMBER | | | | | |
| E-MAIL ADDRESS | | | | | |
| VAT REGISTRATION NUMBER | | | | | |
| SUPPLIER COMPLIANCE STATUS | TAX COMPLIANCE SYSTEM PIN: | | OR | CENTRAL SUPPLIER DATABASE No: | MAAA |
| B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE | TICK APPLICABLE BOX] <input type="checkbox"/> Yes <input type="checkbox"/> No | | B-BBEE STATUS LEVEL SWORN AFFIDAVIT [TICK APPLICABLE BOX] <input type="checkbox"/> Yes <input type="checkbox"/> No | | |
| [A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/ SWORN AFFIDAVIT (FOR EMES & QSEs) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE SPECIFIC GOALS POINTS] | | | | | |
| ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED? | <input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ENCLOSE PROOF] | | ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED? <input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES, ANSWER PART B:3] | | |
| QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS | | | | | |
| IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)? | | | <input type="checkbox"/> YES <input type="checkbox"/> NO | | |
| DOES THE ENTITY HAVE A BRANCH IN THE RSA? | | | <input type="checkbox"/> YES <input type="checkbox"/> NO | | |
| DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA? | | | <input type="checkbox"/> YES <input type="checkbox"/> NO | | |
| DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA? | | | <input type="checkbox"/> YES <input type="checkbox"/> NO | | |
| IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION? | | | <input type="checkbox"/> YES <input type="checkbox"/> NO | | |
| IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 BELOW. | | | | | |



PART B TERMS AND CONDITIONS FOR BIDDING

| | |
|---------------------------------------|---|
| 1. BID SUBMISSION: | |
| 1.1. | BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION. |
| 1.2. | ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED– (NOT TO BE RE-TYPED) OR IN THE MANNER PRESCRIBED IN THE BID DOCUMENT. |
| 1.3. | THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT, 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2022, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT. |
| 1.4. | THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (SBD7). |
| 2. TAX COMPLIANCE REQUIREMENTS | |
| 2.1 | BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS. |
| 2.2 | BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VERIFY THE TAXPAYER'S PROFILE AND TAX STATUS. |
| 2.3 | APPLICATION FOR TAX COMPLIANCE STATUS (TCS) PIN MAY BE MADE VIA E-FILING THROUGH THE SARS WEBSITE WWW.SARS.GOV.ZA . |
| 2.4 | BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID. |
| 2.5 | IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED; EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER. |
| 2.6 | WHERE NO TCS IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED. |
| 2.7 | NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE, COMPANIES WITH DIRECTORS WHO ARE PERSONS IN THE SERVICE OF THE STATE, OR CLOSE CORPORATIONS WITH MEMBERS PERSONS IN THE SERVICE OF THE STATE." |

NB: FAILURE TO PROVIDE / OR COMPLY WITH ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID.

SIGNATURE OF BIDDER:

CAPACITY UNDER WHICH THIS BID IS SIGNED:
(Proof of authority must be submitted e.g. company resolution)

DATE:



PART C STANDARD BIDDING DOCUMENTS

(SBD FORMS - SBD4, SBD6.1 (where applicable), should be fully completed and signed by the supplier/service provider). WRC reserves the right not to accept/eliminate/disqualify a quotation not accompanied by the completed prescribed SBD forms.

SBD4

BIDDER'S DISCLOSURE

1. PURPOSE OF THE FORM

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 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**

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:

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.



.....
.....

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.
- 3.4 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.
- 3.5 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 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.
- 3.6 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 bi

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.



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 To be completed by the organ of state

(a) The applicable preference point system for this tender is the **80/20** preference point system.

(b) **80/20 preference point system** will be applicable in this tender. The lowest/ highest acceptable tender will be used to determine the accurate system once tenders are received.

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 To be completed by the organ of state:

The maximum points for this tender are allocated as follows:

| | POINTS |
|---|--------|
| PRICE | 80 |
| SPECIFIC GOALS | 20 |
| Total points for Price and SPECIFIC GOALS | 100 |

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:

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

Where

- Ps = Points scored for price of tender under consideration
- Pt = Price of tender under consideration
- Pmin = Price of lowest acceptable tender

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



3.2.1. POINTS AWARDED FOR PRICE

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

$$P_S = 80 \left(1 + \frac{P_t - P_{max}}{P_{max}} \right) \text{ or } P_S = 90 \left(1 + \frac{P_t - P_{max}}{P_{max}} \right)$$

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

P_{max} = Price of highest 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.

Table 1: 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.)



| The specific goals allocated points in terms of this tender - B-BBEE Status Level Of Contributor | 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) |
|--|---|---|
| B-BBEE Level | 20 Points | |
| 1 | 20 | |
| 2 | 18 | |
| 3 | 14 | |
| 4 | 12 | |
| 5 | 8 | |
| 6 | 6 | |
| 7 | 4 | |
| 8 | 2 | |
| Non-compliant contributor | 0 | |

DECLARATION WITH REGARD TO COMPANY/FIRM

4.3. Name of company/firm.....

4.4. Company registration number:

4.5. 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]

4.6. 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:

.....

.....

.....



PART D

TERMS OF REFERENCE / SCOPE OF WORK

1. BACKGROUND AND INTRODUCTION

The WRC operates as legislated by the Water Research Act (Act 34 of 1971) and is an entity of national importance to ensure water security, support to the DWS and water sector stakeholders through funding of research entities (universities, consultants and SMMEs). The Primary Function of the WRC is to (1) Promote coordination, cooperation, and communication in water research; (2) Establish water research needs and priorities; (3) Stimulate and fund water research according to priority; (4) Promote the effective transfer of information and technology; and (5) Enhance knowledge and capacity building within the water sector.

The South African Sanitation Technology Enterprise Programme (SASTEP), which operates from the offices of the Water Research Commission, is a national system of innovation platform that seeks fast-track the adoption of innovative and emerging sanitation technologies in South Africa through fostering local manufacturing and commercialisation. SASTEP requires the services of a virtual reality service provider to create a virtual reality experience to demonstrate the various sites that the programme currently has.

The programme is requesting proposals from qualified virtual reality (VR) experience developers to design and deliver VR interactive experiences to showcase three (3) sanitation technologies from the programme. Many of the technologies on the SASTEP platform are large and cannot be transported to conferences, workshops, roadshows, and other physical events. We are therefore seeking the use of VR experience to give our stakeholders an “in-person” experience/interaction with some of the innovative sanitation technologies the programme is promoting.

The WRC requires the services of a reputable and qualified company to design and deliver virtual reality (VR) experience.

2. SCOPE OF WORK: REQUIREMENT / SPECIFICATION

We hereby request a virtual reality service provider to propose various means of achieving the requirement stated below. As a minimum, the requirement includes:

- 360° view 3D high-resolution video that allows movement within the VR environment and interaction with elements within the virtual space i.e., being able to take a VR virtual tour of sites, touch buttons, open doors, interact with characters within the virtual space.
 - 360° view 3D animated video with voice-over and text description for the process flow of different unit operations that make up the sanitation technology unit.
 - Preloaded instructions, interviews, and interaction with characters within the technologies' locality e.g., community leaders, Janitors, users, and others.
 - 360° view 3D animated interactive video - Interactive VR virtual tour beneficial to the virtual reality experience.
 - Animation of the back-end treatment system that allows the user to understand the unit operation process.
- Other Requirements
- Training from service provider to SASTEP end users on how to use the equipment



- The output/experience should be technology/platform agnostic i.e., it should not be locked into the use of one technology or service provider.
- Should be compatible with current and future VR Platform
- Web based versions of the 360° videos, animation, interviews etc.
- Hosting and other ancillary support services
- Proposer to recommend hardware that will optimize user experience of VR environment.

Hardware

The following hardware are indicative only, proposer to include hardware that optimizes user experience of VR environment. Hardware cost should be included in stage gate 2. Successfully proposer shall provide necessary hardware to assess and evaluate the output during Stage Gate 1.

- Apple TV 4K HD TV 6th Gen 32GB– compatible hardware for carrying to exhibitions or equivalent (x2)
- Oculus quest 2 Advanced All-In-One VR headset 256 GB or equivalent (x2)
- Apple iPad 9th Generation 256GB Tablet (x2) - 2 x Tablets (256GB) best suited to solution or equivalent

Hosting and other ancillary support services

- Quotation to include hosting, support and other services that would enable the smooth running and optimal user experience of both the VR and the web-based versions. This should be included in the stage Gate 2 scope of work. Hosting and support duration should be for 36 months.

Stage Gate Approach

The proposer is required to provide quotations in stage gates. A total of 3 technologies and sites will require VR developmental work. To manage the risks of outputs not meeting expectations, the proposer will be required to build a virtual reality environment for only one technology during Stage Gate 1. After this is assessed and reviewed, and if it meets the expectation of the project owner, only then would Stage Gate 2 be initiated - VR development work for the other 2 technologies.

Stage Gate 1 scope

This should include quotation required to deliver on the VR development and web-based for one sanitation technology. This will include work required to deliver the full requirement for one sanitation technology. This is essentially proof of concept and should exclude other requirements such as hardware, hosting support, and should only include necessary requirements to allow end-user to assess the output of Stage Gate 1.

Stage Gate 2 scope

Stage Gate 2 will include developmental work for the other 2 sanitation technologies and the full deployment of the 3 technologies on the selected platform. This will include hardware, hosting, and support for the platform for the 3 sanitation technologies.

Quotation should be split into stage gates as explained above. Evaluation will be based on total scope and pricing.



3. COMPULSORY BRIEFING SESSION

- Service providers need to attend a compulsory briefing session with the SASTEP team before they submit their bids. This session is to ensure that service providers have a clear understanding of what is required from them.
- No attendance at the scheduled briefing session will lead to proposal not being considered further.
- Date: 10 August 2023 starting 11:00am ending at 13:00.
- Address: 2nd Floor Bloukrans Building, Lynnwood Bridge, 4 Daventry Road, Lynnwood Manor, Pretoria.

4. EVALUATION PHASES

The received proposals will be evaluated in accordance with the PPPFA and evaluated in different phases in order to arrive to the final phase of bid award, and the phases will be as follows:

- 4.1. Phase One – Screening of the minimum requirements documents
- 4.2. Phase two: stage 1– Technical/functionality evaluation criteria
Phase two: stage 2 - Verbal presentation evaluation.
- 4.3. Phase three - Specification compliance
- 4.4. Phase four – Price and Preference (Specific goals)
- 4.5. Phase 5: Due Diligence

4.1 Phase One (1): Screening of the minimum requirements documents

In this phase All bids received will be verified for compliance and completeness of the submitted proposal per the below set of mandatory requirements. Bidders who fail to comply with the below requirements may be eliminated and bidders who comply with the below progresses to the next phase of technical evaluation.

- Bid forms must be properly received on the bid closing date and time specified on the invitation, fully completed, dated.
- Invitation to Bid (SBD 1) must be fully completed,
- Submission of a Valid SARS Tax Clearance Certificate together with Supplier SARS Tax Compliance Status Verification PIN to enable Water Research Commission to verify Tax Compliance status on SARS eFiling. NB: Bidders whom their Tax matters are not in order will not be considered for this bid.
- Submission of fully completed SBD 4 (Declaration of Interest),
- Submission of fully completed SBD 6.1 (Preference points Claim for Specific goals),
- Submission of the original or certified B-BBEE Status Level Verification Certificate or original B-BBEE Sworn Affidavit in case of EME and QSE)
- Submission of Central Supplier Database (CSD) Compliance History Report.

NB: Any bidders who did not sign and submit any of the requested documents may be disqualified.



4.2. Phase Two (2) stage (1): Technical/functionality evaluation criteria applicable for Virtual Reality experience

NB: Qualification Threshold – Bidders must achieve 75% per the criteria below to be considered for phase two (2) stage 2 of the evaluation. Bidders who fail to comply with the set minimum threshold of 75% per the below requirements WILL be eliminated and bidders who comply with the below will progress to the next stage of evaluation.

In this stage, the following criteria shall be applicable, and the maximum points of each criterion are indicated on the table below. Bidders scoring 75% out of 100 points on functional / technical criteria will be further evaluated on verbal presentation. Bidders who do not achieve the minimum of 75% out of 100 points on functional / technical criteria will not progress to the next stage of evaluation being verbal presentation.



| NO | FUNCTIONALITY CRITERIA | WEIGHTING FACTORS | POINTS | DOCUMENTS TO BE SUBMITTED FOR EVALUATION PURPOSES | POINTS ALLOCATION |
|----|--|-------------------|--------|---|---|
| 1 | CVs of key professional staff to be allocated to the project indicating relevant experience. | 35 | 5 | <p>Bidders are to attach curriculum vitae (CVs) of key professional staff to be allocated to the project. CVs to indicate relevant experience as well as the role of the individual staff member. In this case, relevant experience refers to years of experience in the virtual reality industry. Bidders need to ensure they submit a comprehensive CV, bios will not be accepted in place of CVs. Submitted CVs should include:</p> <ul style="list-style-type: none"> - Development qualifications (Computer science or related degree) - Minimum of 3 years with successful project concluded. | <p>5 points = Bidders submitted CVs with all listed requirements.</p> <ul style="list-style-type: none"> - Development qualifications (Computer science or related degree) - Minimum of 3 years with successful project concluded. - Minimum of 4 years experience in the virtual reality industry - Expertise in programming skills (C#, Java, Python and JavaScript) |
| | | | | | <p>3 points = Bidders submitted CVs with 3 of the listed requirements.</p> <ul style="list-style-type: none"> - Development qualifications (Computer science or related degree) - Minimum of 3 years with successful project concluded. - Minimum of 4 years experience in the virtual reality industry - Expertise in programming skills (C#, Java, Python and JavaScript) |



| | | | | | |
|--|--|--|--|--|---|
| | | | | <ul style="list-style-type: none"> - Minimum of 4 years experience in the virtual reality industry - Expertise in programming skills (C#, Java, Python and JavaScript) | <p>1 point = Bidders submitted CVs with 2 of the listed requirements.</p> <p>Development qualifications (Computer science or related degree)</p> <ul style="list-style-type: none"> - Minimum of 3 years with successful project concluded. - Minimum of 4 years experience in the virtual reality industry - Expertise in programming skills (C#, Java, Python and JavaScript) |
| | | | | | <p>1 point = Bidders submitted CVs with 1 of the listed requirements.</p> <ul style="list-style-type: none"> - Possible implementations concluded. - Development qualifications (Computer science or related degree) - Minimum of 3 years with successful project concluded. - Minimum of 4 years experience in the virtual reality industry - Expertise in programming skills (C#, Java, Python and JavaScript) |
| | | | | | <p>0 point = No CVs attached</p> |



| | | | | | |
|---|---|----|---|--|--|
| 2 | PAST EXPERIENCES | 35 | 5 | <p>Bidders to provide proof of 5 successful projects where virtual reality software was created.</p> <p>Bidders are to submit examples of portfolios of previous work conducted.</p> | 5 = Comprehensive example of a portfolio with 5 successful virtual reality examples |
| | | | | | 4 = Comprehensive example of a portfolio with 4 of 5 successful virtual reality examples |
| | | | | | 3 = Comprehensive example of a portfolio with 3 of 5 successful virtual reality examples |
| | | | | | 0 = Example of portfolio covering anything less than 3 of 5 required examples. |
| 3 | Contactable reference letters of previous and/or current clients in both the public and the private sectors. | 30 | 5 | <p>Bidders MUST provide reference letters from clients that have previously or are receiving virtual reality software rendered by the bidders as per the scope of work.</p> <p>At least five (5) reference letters on clients' letterhead. Please DO NOT submit client appointment letters.</p> <p>NB: Reference letters not complying with the following 4 <u>requirements</u> will not be considered for evaluation:</p> <ul style="list-style-type: none"> a) Reference letter must be on the <u>Company letterhead</u> - b) Letter must specifically | 5 points = Five and above reference letters which fully comply with the listed criteria. |
| | | | | | 4 points = Four reference letters which fully comply with the listed criteria. |
| | | | | | 3 points = Three reference letters which fully comply with the listed criteria. |
| | | | | | 2 points = Two reference letter which fully complies with the listed criteria. |
| | | | | | 1 point = One reference letter which fully complies with the listed criteria. |



| | | | | | |
|--|------------------------|------------|--|---|--|
| | | | | <p>indicate services rendered are for virtual reality development.</p> <p>c) The <u>rated level of service</u> (good, satisfactory, excellent, etc.); and</p> <p>d) A <u>Signed</u> reference letter by the client.</p> | 0 points = No reference letters attached |
| | Total Weighting | 100 | | | |

Qualification Criteria:

NB: Bidders will first be evaluated on functionality as listed above under phase (2) stage (1). Thereafter, bidders who score 75% out of a possible 100 points will be shortlisted for presentation which is phase (2) and stage (2) as listed below.

Phase Two (2): stage 2 – Verbal presentation responsiveness criteria applicable for Virtual Reality experience

In this stage, the following criteria shall be applicable, and the maximum points of each criterion are indicated on the table below. Bidders scoring 80% out of 100 points on verbal presentation criteria will be further evaluated on specification compliance. Bidders who do not achieve the minimum of 80% out of a possible 100 points on verbal presentation criteria will not progress to the next phase (3) of evaluation being specification compliance.

Verbal Presentation criteria:

| | VR Platform | | |
|--|---------------------|----------------|-----------|
| | Deliverables | Maximum points | Weighting |



| | | | |
|---|--|----|-------------------------------------|
| 1 | Hardware Compatibility: The proposed platform supports a wide range of VR headsets and controllers, ensuring compatibility with popular devices in the market. Scoring - 5 = Yes, 0 = No | 10 | Total points allocated = 65% |
| 2 | Graphics and Rendering Capabilities: The VR and desktop platforms should possess high-quality rendering capabilities, that supports high-quality graphics, realistic lighting, shaders, and special effects. The platform should load quickly with minimal latency. Scoring - 5 - No visible sign of latency, loads seamlessly, 3 - some latency and loads slowly, 1 - very slow | 10 | |
| 3 | Audio and Spatial Sound: The platform's audio capabilities, including support for 3D spatial sound, binaural audio, and audio effects. Does audio enhance the realism and immersion of virtual reality experiences? Scoring - 5 = Yes, 0 = No | 5 | |
| 4 | Performance and Optimization: Both VR and desktop 3D applications should support demand high frame rates and low latency to avoid motion sickness. Scoring - 5 - No feeling of motion sickness, loads seamlessly, 3 - some latency and loads slowly, 1 - very slow | 10 | |
| 5 | Multiplatform Support: Proposed platform should support different VR devices and operating systems. Proposer should indicate during presentation. This requirement should be written into the SLA. Scoring - 5 = Yes, 0 = No | 15 | |



| | | | |
|---------------------------------------|---|----------------|-------------------------------------|
| 6 | User /Administrative tutorials, and extensive documentation: Proposal/presentation must include detailed and extensive tutorial and documentation for SASTEP VR administrators and end-user. This applies to both VR and desktop 3D environments. Scoring - 5 = Yes, 0 = No | 5 | |
| 7 | Analytics and Metrics: Proposed platforms must include built-in analytics and metrics tools to track user behaviour, performance data, and usage statistics. These insights will be used by service provider to refine and improve user experience. This applies to both VR and desktop 3D environments. Scoring - 5 = Yes, 0 = No | 5 | |
| 8 | Support and Updates: Presentation to indicate whether proposed platform offers regular updates, bug fixes, and reliable support channels. VR technology is evolving rapidly, and having access to ongoing support and updates is crucial for sustaining and maintaining proposed platform. This applies to both VR and desktop 3D environments. This requirement should be written into the SLA. Scoring - 5 = Yes, 0 = No | 5 | |
| Desk Top/Web-based 3D Platform | | | |
| | Deliverables | Maximum points | Weighting |
| 1 | Performance and Optimization: Desktop 3D application supports high frame rates and low latency. Images load seamlessly and responds to the click of a mouse or other input device. Scoring - 5 - No visible sign of latency, loads seamlessly, 3 - some latency and loads slowly, 1 - very slow | 10 | Total points allocated = 35% |
| 2 | Graphics and Rendering Capabilities: The VR and desktop platforms should possess high-quality rendering capabilities, that supports high-quality graphics, realistic lighting, shaders, and special effects. The platform should load quickly with minimal latency. Scoring - 5 - No feeling of motion sickness, loads seamlessly, 3 - some latency and loads slowly, 1 - very slow | 10 | |



| | | | |
|---|---|---|------------|
| | | | |
| 3 | Audio and Spatial Sound: The platform's audio capabilities, including support for 3D spatial sound, binaural audio, and audio effects. Does audio enhance the realism and immersion of virtual reality experiences? Scoring - 5 = Yes, 0 = No | 5 | |
| 4 | Analytics and Metrics: Proposed platforms must include built-in analytics and metrics tools to track user behaviour, performance data, and usage statistics. These insights will be used by service provider to refine and improve user experience. This applies to both VR and desktop 3D environments. Scoring - 5 = Yes, 0 = No | 5 | |
| | | | |
| 5 | Support and Updates: Presentation to indicate whether proposed platform offers regular updates, bug fixes, and reliable support channels. VR technology is evolving rapidly, and having access to ongoing support and updates is crucial for sustaining and maintaining proposed platform. This applies to both VR and desktop 3D environments. This requirement should be written into the SLA. Scoring - 5 = Yes, 0 = No | 5 | |
| | Total Weighting | | 100 |

Qualification Criteria:

NB: Bidders who achieved 80% out of 100 points from verbal Presentation phase (2) Stage (2) will progress to phase (3) of Specification compliance. Bidders who do not achieve the set minimum threshold from Presentation Phase will be eliminated and not progress to the next phase.



4.3. Phase Three (3): Specification compliance

Service providers submitting price quotations / proposals will be checked against the specification to ascertain compliance. Service providers who fail to fully comply with the specification requirements will be eliminated.

4.4. Phase Four (4): Price and Preference (Specific goals) Evaluation

Service providers who comply with set evaluation requirements will be evaluated under Price and Preference (Specific goals) phase.

Price on 80 points and Specific Goals on 20 points.

Specific goals applicable to this RFQ:

| Stated Specific Goal in the Invitation (RFQ/RFB/RFP) | Proof to be submitted for allocation of points | Points Allocation | |
|---|--|--|-----------|
| The specific goal to be applied for this RFQ/P/B to which points may be allocated is/are as follows: (e.g.): <ul style="list-style-type: none"> B-BBEE STATUS LEVEL CONTRIBUTOR | BEE certificate or sworn affidavit or Companies and Intellectual Property Commission (CIPC) issued certificate confirming their annual total revenue and the level of Black Ownership. | In this category, points will be allocated as follows: | |
| | | B-BBEE Level | 20 Points |
| | | 1 | 20 |
| | | 2 | 18 |
| | | 3 | 14 |
| | | 4 | 12 |
| | | 5 | 8 |
| | | 6 | 6 |
| | | 7 | 4 |
| | | 8 | 2 |
| | | Non-compliant | 0 |

4.5. Phase Four (4): Phase Five (5): Due Diligence

The WRC reserves the right to conduct a due diligence exercise on the top 2 or more bidders that scored highest points in commercial evaluation.

5. PRICING

The RFQ will be evaluated in terms of the Preferential Procurement Regulations (2022).

Note

- Total Project Amount must be quoted in South African Rand, not hourly rate.
- Price(s) must be firm and all-inclusive and VAT where applicable.



6. PERIOD / DURATION OF PROJECT / ASSIGNMENT

Once-off. Hosting and support three (3) years.

7. PAYMENT:

The WRC will be invoiced according to the amount of services rendered (deliverables) and payment will be affected 30 days from the date of the invoice.

8. STANDARD CONDITIONS OF THE TENDER

- i. **Bidders must complete SBD 4, SBD 6.1,**
- ii. Bidders must also submit a **valid tax clearance certificate/tax pin document**; and a **valid B-BBEE certificate** (original or certified copy) to the WRC offices PRIOR or by the closing date;
- iii. It is the responsibility of prospective bidders to ensure that all bid documents are submitted before the closing time and date of the tender;
- iv. The WRC reserves the right to award or not to award this contract;
- v. The WRC will enter into a formal contract with one successful bidder;
- vi. The WRC reserves the right to terminate the contract should the performance of the service provider be unsatisfactory;
- vii. Bids received after closing time and date will be classified as **LATE** and will **NOT** be considered;
- viii. Although adequate thought has been given in the drafting of this document, errors may occur which the WRC will not be responsible for;
- ix. Any change of information provided in the tender document that may affect delivery of the service should be brought to the WRC's attention as soon as possible. Failure to comply with this may result in the contract being terminated;
- x. Service providers presenting information intentionally incorrectly or fraudulently will be disqualified;
- xii. Service providers who have been declared insolvent and wish to do business with the WRC must have been rehabilitated and provide the necessary proof thereof;
- xiii. The WRC reserves the right to award, cancel or partially award this contract.
- xiv. The National Treasury General Conditions of Contract will be applicable to this tender (available on the National Treasury website);
- xv. Bidders must complete and attach all relevant standard bid document;
- xvi. All prices quoted must be VAT inclusive; where applicable
- xvii. Only those bidders, who have met the minimum functional criteria, as stipulated above, may be invited to present their proposal as required. Please note that bidders, who may be invited for presentations, may have their technical scores re-evaluated.
- xviii. For those bidders who have met the minimum functional criteria, as stipulated above, the WRC has the right to visit the business premises to verify the information provided in the tender documents; please note that bidders who may have their premises inspected, may have their technical scores re-evaluated.
- xix. Short-listed companies could be invited to present and discuss their proposals.
- xx. A service level agreement will be entered into between the WRC and the successful respondent.



9. CLOSING DATE AND TIME

- ☐ The closing date for the RFQ is the **25 AUGUST 2023 @ 24h00**.
- ☐ Quotations should be sent to quotations@wrc.org.za to reach the WRC before **24h00** on the closing date and time.

10. ENQUIRIES

- ☐ For any technical enquiries and commercial enquiries please contact: the WRC Supply Chain Unit at quotations@wrc.org.za