

## REQUEST FOR QUOTATION

### STRATEGY AND IMPLEMENTATION PLAN FOR NET ZERO WATER FOR THE ATLANTIS SPECIAL ECONOMIC ZONE SOC LTD (ASEZ)

#### YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE ASEZ

|             |  |               |                   |               |       |
|-------------|--|---------------|-------------------|---------------|-------|
| BID NUMBER: | RFQ 012/2021/IP  | CLOSING DATE: | 29 September 2021 | CLOSING TIME: | 17h00 |
| DESCRIPTION | APPOINTMENT OF SERVICE PROVIDER TO PROVIDE STRATEGY AND IMPLEMENTATION PLAN FOR NET ZERO WATER FOR THE ATLANTIS SPECIAL ECONOMIC ZONE SOC LTD (ASEZ) |               |                   |               |       |

#### BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT (STREET ADDRESS)

Due to Covid19, no bids will be allowed to be hand delivered. All bids / RFQs must be emailed to the email address provided.

All submissions to be emailed to: Rayyan Arnold at [rayyan@atlantiszez.co.za](mailto:rayyan@atlantiszez.co.za)

|                          |   |            |     |
|--------------------------|---|------------|-----|
| BRIEFING SESSION         | Yes   | COMPULSORY | Yes |
| BRIEFING SESSION DETAILS | An online briefing session will be held on 22 September at 11h00. Link to briefing session: <a href="https://teams.microsoft.com/l/meetup-join/19%3ameeting_ODBIN2Y0MDUtOTQ1Yy00OWQ2LTk4OWMtNWRjZTlzYTMxODkw%40thread.v2/0?context=%7b%22Tid%22%3a%22375e1718-ba69-4b4e-8908-e26b6aed4b68%22%2c%22Oid%22%3a%2231dca1ce-d2e9-4218-8d3f-95cf74759803%22%7d">https://teams.microsoft.com/l/meetup-join/19%3ameeting_ODBIN2Y0MDUtOTQ1Yy00OWQ2LTk4OWMtNWRjZTlzYTMxODkw%40thread.v2/0?context=%7b%22Tid%22%3a%22375e1718-ba69-4b4e-8908-e26b6aed4b68%22%2c%22Oid%22%3a%2231dca1ce-d2e9-4218-8d3f-95cf74759803%22%7d</a> |            |     |

|      |                              |
|------|------------------------------|
| DATE | 22 September 2021 at 11:00pm |
|------|------------------------------|

#### BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO

#### TECHNICAL ENQUIRIES MAY BE DIRECTED TO:

|                  |  |                  |  |
|------------------|--|------------------|--|
| CONTACT PERSON   | Rayyan Arnold  | CONTACT PERSON   | Imtiaz Sultan (Infrastructure Engineer)                                |
| TELEPHONE NUMBER | 087 183 7010 <i>*please note that staff work rotationally which could result in unanswered calls. Email is the preferred form of correspondence.</i> | TELEPHONE NUMBER | +27 84 559 7867  |
| E-MAIL ADDRESS   | <a href="mailto:rayyan@atlantiszez.co.za">rayyan@atlantiszez.co.za</a>   | E-MAIL ADDRESS   | <a href="mailto:imtiaz@atlantiszez.co.za">imtiaz@atlantiszez.co.za</a> |

#### SUPPLIER INFORMATION

|                  |      |  |        |
|------------------|------|--|--------|
| NAME OF BIDDER   |      |  |        |
| POSTAL ADDRESS   |      |  |        |
| STREET ADDRESS   |      |  |        |
| TELEPHONE NUMBER | CODE |  | NUMBER |
| CELLPHONE NUMBER |      |  |        |
| FACSIMILE NUMBER | CODE |  | 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]<br><br>Yes                      No        |  | B-BBEE STATUS LEVEL SWORN AFFIDAVIT   |                               | [TICK APPLICABLE BOX]<br><br>Yes                      No |
| <b>[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/ SWORN AFFIDAVIT (FOR EMES &amp; QSEs) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]</b>  |  |  |   |                               |  |
| ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?  | Yes/ No<br><br>[IF YES ENCLOSE PROOF- e.g. CIPC Documentation] |  | ARE YOU A FOREIGN BASED SUPPLIER FOR <b>THE GOODS /SERVICES /WORKS OFFERED?</b> |                               | Yes/ No<br><br>[IF YES, ANSWER PART B:3 ]                |
| <b>QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS</b>  |  |  |   |                               |  |
| <p>IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)? YES/NO</p> <p>DOES THE ENTITY HAVE A BRANCH IN THE RSA? YES/NO</p> <p>DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA? YES/NO</p> <p>DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA? YES/NO</p> <p>IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION? YES/NO</p> <p><b>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). IF THE ANSWER IS "YES" TO ANY OF THE ABOVE THEN YOU NEED TO REGISTER AS PER 2.3 BELOW.</b></p> |  |  |   |                               |  |

|  |
|--|
| <b>1. BID SUBMISSION:</b>  |
| <p>1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.</p> <p>1.2. <b>ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED (NOT TO BE RE-TYPED) OR IN THE MANNER PRESCRIBED IN THE BID DOCUMENT.</b></p> <p>1.3. <b>THIS BID IS NOT EXPECTED TO EXCEED R1 000 000 INCLUDING VAT FOR THE DURATION OF THE CONTRACT</b></p> <p>1.4. <b>PRICE(S) QUOTED MUST BE FIRM AND MUST BE INCLUSIVE OF VAT.</b></p> <p>1.5. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT, 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.</p> <p>1.6. <b>THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (SBD7).</b></p> |
| <b>2. TAX COMPLIANCE REQUIREMENTS</b>  |

- 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](http://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."

## **1. INTRODUCTION**

The Atlantis Special Economic Zone (ASEZ) was officially designated in October 2018. The success of the ASEZ rests on strong collaboration across the public and private sector spectrum. The promulgation of the ASEZ was enabled through collaboration between the Department of Trade and Industry and Competition (DTIC) and Western Cape Government (WCG)'s Department of Economic Development and Tourism (DEDAT), Wesgro and the City of Cape Town (CoCT). Initially inspired by the City of Cape Town's Green Technology Manufacturing Hub, these parties are working together to facilitate the development of the SEZ in Atlantis.

The ASEZ is a keystone initiative that sits within the country's broader green economy industrial development strategy. It thus both supports and draws on these initiatives. Ultimately, Atlantis needs to operate as a viable industrial hub within a thriving green economy and contributing to green technology industrialization and job creation in South Africa. It is an important development intervention tool to unlock green industrial development, manufacturing, employment, technology development, enterprise development and skills development, amongst other opportunities expressed in the green sector strategies, policies and plans of government.

## 2. SPECIFICATION

### 1. BACKGROUND

The Atlantis Special Economic Zone (ASEZ) is a Greentech focused special economic zone whose mission is to become Africa's leading, globally competitive, and export orientated Greentech manufacturing zone and a Living Lab demonstrating the highest standards of good governance, low carbon and resource efficient economic development and social inclusion.

*"Targeting the transition to an inclusive green economy therefore signifies a massive and disruptive shift, commanding a new model of development. Industrial policy is core to this process, notably to ensure a "just transition" and manage a balancing act, consisting of maximising the benefits of the transition and minimising the risks associated with not transitioning; but in line with South Africa's capabilities to minimise the short-term trade-offs and threats. This requires a careful alignment of South Africa's industrial policy with the inclusive green economy paradigm to support the country's green industrial development. Ultimately, this requires the shift from industrial policy to green industrial policy" (Green Economy Policy Review of South Africa's Industrial Policy Framework. DEFF, DTI&C and DSI. 2020 – Report Prepared by UNEP and TIPS)*

The Atlantis Greentech SEZ is a key enabler and supporter of this just transition. It sets the bar for green industrialisation and will hopefully provide the learning to inform South Africa's Green Economy Industrial Strategy going forward.

### 2. CONTEXT AND PURPOSE OF THE STRATEGY AND IMPLEMENTATION PLAN

This project builds from the findings of a previous project addressing the development of a net zero water concept and process analysis for the Atlantis Special Economic Zone (ASEZ). The project was commissioned by the Deutsche Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ) - Natural Resources Stewardship Programme (NatuReS) in partnership with the Department of Trade Industry and Competition's (DTIC) Regional Industrial Development Unit and the ASEZ. It explores the concept of Net Zero Water and its application to the operations of economic zones and industrial parks (IP) (hereafter simply referred to as IP) in South Africa.

Three reports were produced as part of the study:

|        | Title   | Description   |
|--------|---|---|
| Part 1 | Technical framing of net zero water use in the context of a geographically defined industrial zone/park           | Exploration of the concept of net zero water use, in the context and application of South Africa's economic zones and industrial parks. |
| Part 2 | Atlantis Special Economic Zone Case Study   | The application of this concept to ASEZ and support national and global learning regarding implementation                               |
| Part 3 | Overview of Institutional influencing factors that impact on strategic resource use and application at site level | Elaborate on institutional enabling factors that need to be prioritised to realise the full value of such a concept and process.        |

The purpose of this Strategy and Implementation Plan is to utilise the existing work to hone a strategy and then set out the technical, institutional, financial and operational requirements to implement a Greentech Net Zero Water strategy. Many elements of this exist within the work done and elsewhere, but some additional aspects are required.

The Greentech Net Zero Water Strategy and its Implementation Plan must utilise the reports from the above study as a point-of-departure. Annexure 1 provides an extract of some key insights from these reports. The full reports are attached as Annexure 3.

Other key source documents include the ASEZ Long-Term Infrastructure Plan (Including the specialist water research/assessment that fed this) and the Urban Design and Landscaping Plan. Although a bit dated, the original feasibility study and updated development strategy contain useful information and guidance. These will be made available to the successful bidder.

As a general frame for the strategy, the intention is to undertake it in a consultative and collaborative manner. It remains part of the collaborative partnership approach with the GIZ NatuRes Programme and the DTIC Industrial Parks Initiative. In addition, the ASEZ's current and future shareholders will be involved – namely the Western Cape Government (WCG) and City of Cape Town (CoCT). In this respect the GiZ/DTIC/ASEZ study recommends a water stewardship approach where water is seen as a shared resource and a key guiding principle for ASEZ as it implements its Net Zero Water programme and approach. A key success factor of this project is the active involvement of the City of Cape Town Water and Sanitation Department, including Bulk Water, Waste Water, Reticulation and Stormwater. The process of developing the strategy and implementation plan presents an important opportunity to build the basis for an institutional vehicle and/or structured working relationship between the City and ASEZ.

*“A strong relationship should be fostered between the municipality and IP, so that the municipality may guide and facilitate processes and procedures. And, conversely, so that the IP may easily and quickly raise concerns and request for assistance, during their journey to achieving and maintaining net zero water.” Net Zero Water Concept and Process Analysis for the Atlantis Special Economic Zone, Part 3, 31 May 2021*

In the case of the ASEZ, the CoCT acts as the delegated regional water utility, i.e. the CoCT is the responsible Water Services Authority (WSA) and is therefore authorised to ensure the provision of water services within its municipal area. As such, the CoCT is responsible for the provision of- and management of water related infrastructure, the provision of adequate quality potable water, the treatment of wastewater, and stormwater management. In addition, the CoCT is responsible for policy and regulation in this regard. It is therefore critical that the ASEZ, as is the case with all users, comply with the City's strategies, guidelines, and legislation, and specifically the by-laws for wastewater and industrial effluent, treated effluent, stormwater management.

### 3. SCOPE OF WORK:

Building from existing work, stakeholder engagement and engagement with the key partners, develop a Net Zero Water Strategy for the SEZ. This should be succinct, unambiguous and clearly define goals and objectives that are SMART.

Based on the strategy, develop an implementation plan.

The implementation plan requires the following, but may not be limited to these:

1. **Baseline:** Drawing on CoCT existing monitoring and other data conduct a baseline water balance and compliance investigation. Include an RQO (resource quantity/quality balance), SDCs (source directed controls).
2. **Rainfall:** At the level of the SEZ as a whole, establish the following baseline of total rainfall on the site per annum, using average rainfall figures over an appropriate period, considering that the standard meteorological/climate is 50 years. Use of scenarios (or high/medium/low averages) may also be considered. Quantify this against the total bulk when the SEZ is fully developed. Extract the implications for this in terms of what, on average, each tenant could consume (per m<sup>2</sup> of bulk) to ensure water consumption is equal to or less than amount of rain falling on the site as well as the surface water harvesting. Draw on a wide selection of water intensity of different industries water use to compare this to (and assess its realism).
3. **Water capture:** Consider how much of this rainfall could realistically be captured, including existing as well as innovative storage technology the SEZ should use. Aside from the capture, identify how the captured water could be used and shared between tenants (for this analysis the urban plan/layout can be referenced), including estimates of any purification/treatment, installation and maintenance of this system – per site and per zone. If rainfall water is captured, water balance will become vital. Because the captured water may be used in an industrial process, the effluent generated may increase and may result in increased volumes to Wesfleur industrial WWTW, with the knock-on effect of higher treated industrial effluent volumes reticulating to the Coastal Recharge Basins for “disposal”. This may lead to a greater Net loss of water from the AWRMS. However, this is speculative as other factors, such as reduced extraction/potable use as a result of use of captured water also need to be considered. It is also largely based on the type of industries within the ASEZ and the water quality of the discharge. It may be beneficial to identify sustainable targets for the onsite post-industrial process treatment and consider if water could be released to the stormwater system rather than wastewater system. This will be dependent on water quality and discharge volumes, all requiring very strict adherence to by-laws (some of which may need to be specific to the Atlantis area).
4. **Monitoring system:** Set out the tools and technologies the SEZ could use to easily and cost effectively monitor implementation of the strategy. As a minimum this must include water use (input) by tenants, as well as quantity and (if possible) generally quality of effluent discharged. Consider an ideal of remote sensing technology, against conventional meter and monitor approaches. Consider the monitoring options and then detail a preferred solution the SEZ should procure, along with how and when it should be implemented. Draft the ToR for the SEZ to go to market for this solution, including specifying in detail the criteria for evaluating the proposals.

5. **Lease terms:** A set of clauses around water management for an incremental approach towards net zero water use. This written in a way that can be referred for legal scrutiny prior to inclusion in the tenant lease.
6. **SEZ Incentive and implications for revenue:** Define an incentive structure, along with its financial or other implications, for the SEZ to apply to encourage greater water efficiency by tenants in their operations. In other words, this incentive should utilise the mechanisms directly under the control of the ASEZ Company (such as lease rates). Include in this how a baseline and subsequent improvement could be measured and monitored. Consider the ease, reliability and cost of this approach to ensure it is affordable and implementable. The study should include evaluating existing incentives which could be applied to water efficient technology implementation.
7. **Application form:** A set of questions to be included when a tenant makes an application to be in the SEZ to ensure that we get the correct detail to frame water-use baseline, incentives and targets, especially relating to their industrial processes (ensure we get correct detail on water up-front). In terms of the tenants' industrial process, ensure these questions engage with specific technical details that would affect amount of water used, as well as implications for water quality of effluent (and specifics such as heavy metal, POPs).
8. **Net Zero Annual Competition:** Define and package, including application forms, a net zero water competition for SEZ industries to partake in, along with how the scoring would be done/verified and what aspects would be included. Be very clear on how the winner would be selected. Ensure the criteria are independently and cost effectively verifiable. Include maybe a list of partners the ASEZ Co could partner with from a 'prize' point view, monetary, incubation support, resource provision, etc. Also consider if this could build on the City of Cape Town's existing water star rating certification.
9. **National Water Efficiency Incentive:** Define and package a resource efficient water use incentive, along with details on the application of the mechanism, similar to the 12L energy efficiency incentive. Package this to be motivated to SARS. Consider if other incentives at provincial or local government level could also be motivated.

The ASEZ expects that the bidder will carefully consider these Terms of Reference (ToR), query any components that are unclear, and thus ensure that all aspects of the works will be included in the scope and will be priced accordingly. The onus is on the bidder to ensure that the proposal is coherent, and all aspects have been included (or specifically excluded) and properly costed.

#### 4. STAKEHOLDER ENGAGEMENTS

The service provider will be required to conduct stakeholder engagements with all the relevant role players. As noted, this will be a key feature of the strategy and implementation plan as a whole. These are likely to include the ASEZ, City of Cape Town (CoCT) Department of Water and Sanitation, Provincial and National Departments of Water Affairs and Forestry (DWAF), Wesfleur WWTW, Atlantis Water Resource Management Scheme (AWRMS), the Atlantis Wastewater Works, water working groups, existing businesses, community and others interest groups. The ASEZ will facilitate introductions.

#### 5. DELIVERABLES

A net zero water strategy, including SMART goals and objectives.

A net zero implementation plan for the strategy that must include, as a minimum the following:



- Baseline water balance (Components to include annual municipal demand, alternative supply e.g. rain harvesting. Discharge volumes to different flow paths ie wastewater/stormwater, storage volumes and types with potential losses ie evaporation, infiltration or leakage).
- Average rainfall on zone
- Water capture options
- Monitoring system (Tie in and feedback to CoCT AWRMS monitoring and WULA requirements)
- Net Zero Water Clauses to be included in tenant lease
- Net Zero Water related question to be included in the tenant application form
- Net Zero Water Annual Competition for industrialists in the zone
- SEZ controlled incentive and implications for revenue (penalties to be made clear up front for non-compliance of volume and water quality)
- National Water Efficiency Incentive structure

## **6. CONTRACT DURATION**

- 6.1. It is anticipated that the duration of the project will be a maximum of 8 months from the date of appointment. Any extension of time shall be fully motivated.

### 3 EVALUATION CRITERIA

#### 3.1 Evaluation Process

3.1.1 The bid will be evaluated in terms of the evaluation criteria stipulated.

3.1.2 This bid will be evaluated in terms of the following stages:

- a) Prequalification criteria
- b) Evaluation for mandatory (compliance) criteria
- c) Evaluation in terms of local production and content, if applicable
- d) Evaluation in terms of functional/technical compliance, if applicable
- e) Evaluation in terms of 80/20 preference point system

#### 3.2 EVALUATION PROCESS:

- The bid will be evaluated in accordance with the following Compliance (part A) and

Functionality (part B) criteria:

#### A. COMPLIANCE REQUIREMENTS

| A. Compliance Requirements – all documents to be submitted   | Compliance Status   |
|--|---|
| <b>1. CSD Registration</b>   |   |
| <ul style="list-style-type: none"> <li>a) Supplier active status</li> <li>b) Supplier not restricted</li> <li>c) Active tax status (NB: award cannot be made to the bidder whose tax matters are not in order)</li> <li>d) SARS on-line tax status verification</li> </ul>                         | Info provided will be validated during evaluation stage & failure to meet CSD requirements & Tax Status will lead to disqualification |
| <b>2. Certified Documentations Required</b>  |   |
| <ul style="list-style-type: none"> <li>➤ Certified copy of a BBBEE certificate issued by a verification agency accredited by SANAS or a sworn affidavit signed by the EME representative &amp; certified by a Commissioner of Oaths as per DTIC requirement for exempted EME's or QSE's</li> </ul> | Invalid certificates will not be recognised   |
| <ul style="list-style-type: none"> <li>➤ Confirmation of Banking details.</li> </ul>   | Bank Stamped Letter   |

## B. FUNCTIONALITY AND CAPABILITY REQUIREMENTS

**Table 1: Quality of submission in addressing criteria and sub-criteria**

| FUNCTIONALITY & CAPABILITIES   | Maximum    | Score | Minimum |
|--|------------|-------|---------|
| <b>NB:</b> The bidder should achieve a minimum score of 75 points under functionality to be able to be evaluated further on pricing & BBBEE as per preferential system. The Bidder <b>MUST</b> provide proof for the relevant criteria stipulated below to qualify for the points. Should the Bidder <b>FAIL</b> to supply proof, they will score <b>ZERO</b> points.  | <b>100</b> |       |         |
| <b>1 TEAM LEADER / PROJECT MANAGER (INCLUDE WRITE-UP IN BID RESPONSE DOCUMENT UNDER THE HEADINGS BELOW, SUPPORTED IN ANNEXURES)</b>  | 30         |       |         |
| Relevant Degree in Engineering/Hydrology/ Hydrogeology/Geohydrology (minimum NQF7) and a registered professional with relevant organisation.<br><ul style="list-style-type: none"> <li>NQF 7 or higher = 5</li> <li>Less than NQF 7 = 0</li> </ul>   | 10         |       |         |
| Minimum 10 years water sector experience in a lead role. This must demonstrate relevant experience of management consulting or similar field, including a sound understanding of water management issues and processes, familiarity with the NWA of 1998, Water Stewardship and NEMA. Familiarity with CoCT by-laws a plus, as is experience developing strategies and implementation plans.<br><ul style="list-style-type: none"> <li>10 years' relevant experience = 10</li> <li>7-9 years' relevant experience = 7</li> <li>5-6 years' relevant experience = 5</li> <li>Less than 5 years' relevant experience = 0</li> </ul> | 10         |       |         |
| Led at least two recent projects exploring water stewardship/water use efficiencies and/or water conservation and demand management in industry within the last 5 years. Briefly discuss the project and role in project.  | 10         |       |         |
| <b>2 OTHER TEAM MEMBERS (FOR EACH ADDITIONAL TEAM MEMBER, INCLUDE WRITE-UP UNDER HEADINGS BELOW, WITH EVIDENCE IN ANNEXURES AS APPROPRIATE)</b>  | 20         |       |         |
| Relevant degree in engineering/hydrology/environmental management/other appropriate (minimum NQF7) – discuss relevance in context of their role on the project. Ideally a registered professional.<br><ul style="list-style-type: none"> <li>NQF 7 or higher = 5</li> <li>Less than NQF 7 = 0</li> </ul>   | 5          |       |         |
| Minimum 5 years water sector experience. 10 or more ideal. Discuss experience relative to their role in this project.<br><ul style="list-style-type: none"> <li>5 years' relevant experience = 5</li> <li>3-4 years' relevant experience = 3</li> <li>1-2 years' relevant experience = 2</li> <li>Less than 2 years' relevant experience = 0</li> </ul>  | 5          |       |         |
| Discuss experience in projects exploring water stewardship/water use efficiencies and/or water conservation and demand management in industry within the last 3 years. Briefly discuss the project and role in project with a link to relevance to their role and tasks on this project.   | 10         |       |         |
| <b>3 APPROACH &amp; METHODOLOGY / METHOD STATEMENT</b>   | 35         |       |         |

|  |    |  |  |
|--|----|--|--|
| <p>Full approach on how the bidder plans to carry out the project from inception to close out. Deliverables and timelines must be clearly stated at every stage. Tasks assigned to the different team members must be clearly stated. Time must be included for stakeholder engagements and must form part of the bidder's methodology.</p> <ul style="list-style-type: none"> <li>▪ Addressed Approach and Methodology fully = 35</li> <li>▪ Adequate response to Approach and Methodology = 25</li> <li>▪ Partial response = 15</li> <li>▪ Insufficient response provided = 0</li> </ul>                       | 35 |  |  |
| <b>4 COMPANY PROFILE / LIST OF PROJECTS</b>  | 10 |  |  |
| <p>List of water stewardship and/or water use efficiency projects and/or water conservation and/or demand management projects carried out by the bidding company/ies within the last 3-5 years. Water stewardship projects, water quality experience, waste water treatment and re-use specifically will be an advantage. Maximum of 5 projects each carrying 2 points.</p> <ul style="list-style-type: none"> <li>▪ Max 5 projects (2 points per project) = 10</li> <li>▪ 3 projects (2 points per project) = 6</li> <li>▪ 2 projects (2 points per project) = 4</li> <li>▪ Less than 2 projects = 0</li> </ul> | 10 |  |  |
| <b>5 LOCAL OFFICE / CAPE TOWN</b>  | 5  |  |  |
| An established branch office within Cape Town. Attach up-to-date lease agreement or proof of ownership.  | 5  |  |  |

**A minimum threshold of 75 points will apply to qualify to the next stage of Price and BBBEE**

#### 4. ANNEXURES

##### **Annexure 1: Atlantis Water System**

The Atlantis Water Resource Management Scheme (AWRMS) has provided water to Atlantis and surrounds for over 40 years from the Atlantis Aquifer and is a key component in City of Cape Town's (CoCT) water supply network. The AWRMS is a groundwater abstraction and Managed Aquifer Recharge (MAR) scheme by means of infiltration. Abstraction occurs from two separate wellfields, namely Witzands in the south and Silwerstroom in the North. Groundwater abstracted from Witzands wellfield is softened through dealkalisation process prior to supply for potable domestic and industrial use at Pella and Hospital Reservoirs. Source water for MAR upgradient of Witzands Wellfield is a combination of treated domestic effluent (TDE) from Wesfleur Domestic Wastewater Treatment Works (WWTW) and stormwater from the residential and industrial areas of Atlantis. The stormwater component is captured by a series of detention basins throughout town and reticulated via Basin 6, a retention basin, where it mixes with TDE, before continuing to the main infiltration basins. Source water for MAR down gradient of Witzands wellfield, at the Coastal Recharge Basins (CRBs) is a combination of treated industrial effluent from the Wesfleur Industrial WWTW, and stormwater from the noxious trade segment of the industrial area.

The CRBs constitute the disposal point for water in the AWRMS, in the absence of a sea outfall and fulfil the role of a freshwater barrier to mitigate against potential saline water intrusion.

MAR upgradient of Witzands wellfield is to maintain groundwater levels and support the yield potential of the production boreholes. As such, the treated effluent (domestic and industrial) and respective stormwater flows are critical components of the AWRMS water balance. Silwerstroom does not benefit from MAR and supplies water from the wellfield and from the Siwerstroom weir to Hospital reservoir and the Silwerstroom Resort.

Outside of the urban area, the majority of land use is protected as part of the Witzands Aquifer Nature Reserve (WANR), the Koeberg Nature Reserve and conservation areas around Silwerstroom. Natural recharge occurs across the aquifer, with the main recharge zone constituting mobile dune sands protected in the WANR.

Monitoring of groundwater levels, volumes and water quality is undertaken in and around each wellfield, supported by additional far-field monitoring throughout the aquifer and at critical control points within the MAR system. At present, there are ~140 groundwater monitoring sites and ~25 surface water monitoring sites (Umvoto, 2021 and CoCT, 2020). These monitoring activities, coupled with relevant climate data contribute to evaluating the AWRMS water balance and support optimal management and operation of the scheme. Frequency of monitoring differs between locations depending on the monitoring objective. These range from automated and inline monitoring on a minute to hour scale, supported by measures on a daily, weekly or monthly frequency as needed.

The AWRMS is a leading example in Southern Africa of wise water use through the integration and transdisciplinary management of its water supply, wastewater and stormwater systems (Umvoto, 2019). Monitoring data is collected and stored in a central database and can be made available upon request to CoCT Bulk Water.

The average water demand for Atlantis is ~6 million m<sup>3</sup> per annum (16 000 m<sup>3</sup>/d) this excludes seasonal variation and drought periods. The treatment capacity of the Witands Softening Plant is ~9 000 m<sup>3</sup>/d with the

shortfall met by surface water supply from Melkbos reservoir (primary source Voëlvlei Dam). The AWRMS is however, undergoing refurbishment and optimisation as part of CoCT's New Water Programme. Refurbishment is expected to facilitate supply of up to 9 million m<sup>3</sup> per annum while potential expansion aims to achieve up to 13 million m<sup>3</sup> per annum during emergency (drought) scenarios. Water from AWRMS is also able to supply Melkbos Reservoir (return flow) extending the AWRMS's reach of resilience. Initial water balance estimates developed as part of the NWP indicate the aquifer is recharged with between 3 – 6 million m<sup>3</sup>/annum upgradient of Witzands Wellfield (Umvoto Africa, 2021). Natural recharge estimates for the aquifer range between 7-15 million m<sup>3</sup>/a. Aquifer storage (water banking) and conjunctive use are key in ensuring continued sustainable supply from the AWRMS.

CoCT departments contribute macro components to water balance of AWRMS only. For example, bulk volumes of treated effluent(s) by Wastewater Dept., abstraction and supply by Bulk Water Dept. Current industry use not monitored by CoCT (PSP apply broad assumptions to other users in establishing water balance).

Annual water balance reporting and data to feed into CoCT water balance, not vice versa. Otherwise, will need to consider need for pre-allocation of water volumes (supplied and disposed of).

The calculation of water balances is something that specific departments in the CoCT do carry out for various industries. Considering the relationship between the ASEZ and the CoCT, the responsibility of the CoCT as a water service provider, and the fact that the CoCT does undertake regular monitoring in the area, it is recommended that as a key part of this project, the CoCT to assist with the annual water balance reporting, audit and review findings and incorporate this into the greater AWRMS balance.

The balance is generally undertaken to reflect an annual average mass balance of supplied water, which is about 7800kl in respect to the ASEZ current operations. Comprising of various components, such water use, water losses (leaks, evapotranspiration, evaporation) and return flows (treated water) are thus imperative goals in refining the balance towards an accurate understanding of the water management unit or system. Similarly, the case is made for anthropogenic stormwater or other alternative augmentation sources into the unit system being investigated for mass balancing. It should be noted that a total of losses should however not be assumed but should be derived by way of proper analysis. Thus, metering is an essential component of water balancing and will be required to measure passive night flows for leaks or off-peak flow periods to understand non-metered use. Similarly, a maximum 24-hour demand on the peak use periods should also be established for comparison with source and infrastructure capacity as a measure of continuous supply (24hr - 7-day week – 365 day year). The resulting understanding has many applications, with the measure of assurance of supply potentially being the most valued in establishing security on and comprehending for use management purposes. As a result, evaluations should examine both supply and demand sides of the balancing equation.

In the context of net zero water for ASEZ, the relevance of the water balance will relate to potential efficiency improvements for water use on the site level, such as leak management, use reduction or water savings, as well as for stormwater augmentation on supply in the context of water reuse potential and then on establishing from a wastewater loss perspective (where treated wastewater is not returned to the receiving water resource), may provide for a need to support treatment of site and neighbouring Atlantis industrial area waste water treatment for reuse purposes (to the quantity that is lost from the system – as Atlantis industrial wastewater is not returned to the aquifer for recycling).

## Water value chain concept

A further imperative for this study is to take a holistic or complete water value chain view. The water value chain, and adopting a water footprint perspective, facilitates achieving water resource management objectives and sustainable water resource management planning. The complete water value chain encompasses a source-to-sea view, which further considers the integration between natural elements and infrastructure:

- From resource to consumptive use (tap) and from productive use back to resource.
- From source infrastructure, bulk infrastructure, pipeline and reticulation.
- From end use to treatment and innovation reuses, and environmental requirements compliance.

## Definitions of net-zero water

Broadly, Olmos and Loge (2013) define net zero water use as the balance between annual potable water use and annual rainfall (on a particular catchment or defined geographic area). While at the building scale, the United States Environmental Protection Agency (EPA) identifies net zero water as limiting the consumption of water resources and returning it back to the same watershed so as not to deplete the resources of that region in quantity or quality, over the course of the year.

At the site scale, the International Living Future Institute's definition, as described in the Living Building Challenge Standards (LBC Standards) describes net zero water as on-site management, or hydrologically acceptable off-site management, of all stormwaters and used project water.

The pilot net zero programme established by the Green Building Council of South Africa (GBCSA) defines net zero water as *"a building that is designed, constructed and operated to greatly reduce total water consumption, and then use harvested, recycled and reused water such that the amounts of water consumed is the same as the amounts of water that is produced (Net Zero), or if the water recycled/ produced is greater than the water consumed (Net Positive)"*.

The definitions, although different, are not without linkages. What is clear and common amongst the various definitions is the importance of maintaining a balance between what is consumed, taken out and returned in terms of both quantity and quality of water. The goal of net zero water is therefore to minimise the impact on the water user area, in terms of the quantity and quality of the natural water resources, by using alternative water sources, implementing water efficiency measures, and returning water of acceptable quality to the original water source.

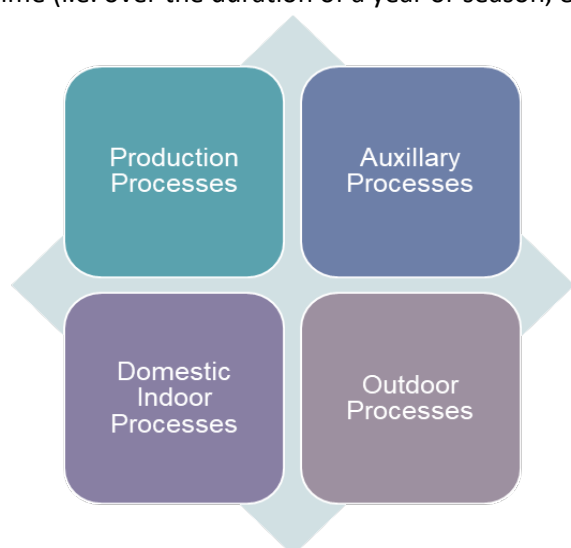
Another aspect which is highlighted by these definitions, is the applicability of the concept at various scales. For example, net zero water could be measured at the catchment scale, a defined spatial boundary, like that of an IP, plot of land, etc; and, at the individual building scale. For the purposes of the conceptualisation of net zero water for IPs, the arguments presented focus on the scale of the IP, with tenants and individual plots of land as key components within this site boundary.

A circular economy is achieved when waste is no longer produced and there is continual, cyclic reuse of materials. Similarly, an IP which has reached net zero water no longer discharges wastewater, but ensures

water resources, collected from a range of sustainable sources, are used efficiently and responsibly, and that any wastewater produced is cleaned and reused in that catchment. If possible, an IP may even release more water into the catchment than it makes use of, thus achieving a net positive water status.



Furthermore, it is possible that not all sections, plots of land, tenants/businesses, or buildings within the boundaries of an IP will necessarily achieve net zero water status of their own. Some businesses or buildings may contribute positively to the water life cycle, while others may consume more than others. Some IPs may provide water treatment and associated infrastructure to tenants, while others may expect tenants to make their own investments. Other IPs may have access to groundwater resources, while others may rely on municipal supply only. Therefore, the overall approach to achieving net zero water is case sensitive and requires a good level of planning and implementation capacity, as well as monitoring and evaluation. What is critical is the water balance for the IP as a whole, considering volume and quality, over a particular period of time (i.e. over the duration of a year or season, etc) is 'zero'.



*Potential site water usage categories*



What remains critical for measurement and monitoring is understanding the quality and quantity of inflows to the IP and outflows to the receiving natural environment, as well as the role of site usage in the system:

- Inflows
  - Potable water (demand management)
- Outflows (demand and quality management)
  - Stormwater
  - Greywater
  - Wastewater
- Site usage aspects
  - Production processes
  - Auxiliary processes (supporting processes, that are not central to the production process, such as production of energy, water treatment, etc)
  - Kitchen and lavatory
  - Gardening / landscape maintenance

*Table: Examples of water infrastructure and water resource considerations (adapted from Office of Energy and Renewable Energy, n.d.; Jeffrey L Bruce & Company Landscape Architects, 2013)*

| Infrastructure                     | Scale   | Performance design options   | Considerations  |
|------------------------------------|---|--|---|
| <b>Plumbing</b>                    | Building scale – approved building design specifications and operational controls                   | High-efficiency, Water Sense-labelled equipment, sector building standards i.e. “New Red-Book”   | Specify the most efficient equipment available, consider non-water-using fixtures, ensure that proper operation and maintenance practices are established. Explore mix of source(s) depending on requirements. For example, ablution facilities could make use of grey water, e.g. harvested rainwater, borehole water, process water (AC condensation, cooling tower blowdown, RO and NO reject water, etc) or partially treated water.                    |
| <b>Cooling and heating systems</b> | Building scale – approved building design specifications and operational controls                   | High-efficiency system design  | If applicable, reduce or eliminate water used for cooling and heating by using passive systems that use the power of the sun and natural convection cycles  |
| <b>Landscaping</b>                 | Site scale to precinct level – plant specifications, hard surfacing specifications (permeable), etc | Water-Smart landscaping and reliance on green infrastructure for various ecological processes such as water collection, filtration and recharge. | Incorporate water efficiency principles with suitable indigenous vegetation that require no or limited supplemental irrigation into the landscape design.   |
| <b>Road and stormwater network</b> | Precinct level  | Adopting a Sustainable Urban Drainage System (SUDS) approach   | Integrating stormwater as alternative non-potable reuse source, incorporating landscaping from a natural elements and treatment focus (i.e. specific and diverse indigenous vegetation)<br>Grey water (rainwater harvesting, sustainable urban drainage systems, dams/ponds, etc) and/or arising from treatment processes could be used for various outdoor non-potable uses, such as: <ul style="list-style-type: none"> <li>• Fire suppression</li> </ul> |

| Infrastructure                      | Scale                   | Performance design options   | Considerations  |
|-------------------------------------|-------------------------|--|---|
|                                     |                         |  | <ul style="list-style-type: none"> <li>• Landscape irrigation</li> <li>• Pool/pond filling and related water features (swales, wetland)</li> <li>• Building washing</li> <li>• Thermal conditioning</li> <li>• Evaporative cooling</li> <li>• Dust control</li> <li>• Street sweeping</li> </ul> Aquifer recharge   |
| <b>Industrial Plant and Process</b> | Site and Precinct level | High-efficiency system design  | Site resource efficient operations level and design – i.e. targets (water savings per year)   |
| <b>On-site treatment systems</b>    | Site and Precinct level | Site scale biological treatment “Package Plant” (with water recovery feature). Alternatives may include conventional precinct scale oxidation and evaporation pond system. Consideration to water quality suitability for reverse osmosis or ultrafiltration may also apply. | Non potable re-use and recycle options. Incentives through energy production and efficiency<br>On a precinct scale integration with precinct landscaping and stormwater feature reuse may apply, amongst other. Potable reuse may only apply where wastewater is characterised under high confidence for suitable use and treatment (i.e. high quality primary, secondary, tertiary treatments, as well as additional human use safeguards must be applied such as UV, suitable disinfectant) in accordance with DWS drinking water quality standards, DWS industrial use water quality standards, use permits, water service authority and regional water service provider agreements, amongst other). |

## Interventions

Characteristics of IPs are varied, and may be influenced by the nature of production processes (light or heavy industrial processes, for example), location and the resulting social and environmental opportunities and sensitivities (e.g. the nature of downstream users, availability of groundwater resources, rainfall patterns, proximity to ecologically sensitive habitats, etc), or even the business ethos of the tenants, amongst others. In addition, there are several tools, technologies and techniques that can be applied to reduce, reuse and recycle water/wastewater, which could be selected by IPs and their tenants. Therefore, the potential for how a net zero water management system is established can also be varied and may range from simple interventions to a complex system. Some of these interventions are discussed here.

## Water reduction

Managing leaks, water demand management, Efficiency and optimisation options may be classified as “inside infrastructure or buildings” (taps, toilets) or “outside infrastructure or buildings” (gardening and stormwater). Water wise approaches in this regard may include the use of innovative technology such as smart devices to improve water management control on the site level is also recommended (i.e. 5G-industry 4.0 / automation smart building (complex) monitoring management systems). In addition, responsible water management such as retrofitting of ablution facilities, storage of water to prevent evaporation, alternative technology which

either avoids the use of water or significantly reduces the need for water resources (e.g. air chillers vs. water cooling towers), etc. Importantly awareness and implementation of water saving as a common practise should apply.

### **Augmentation**

Alternative water sources may be used to supplement supply. Site rainwater harvesting as well as stormwater harvesting are alternative options which may contribute significantly to achieving net zero water. The options range from basic practical rooftop rainwater harvesting for the purpose of toilet flushing and garden uses, to site water storage and treatment for production and auxiliary operations use.

### **Water reuse**

According to the National Strategy for Water Reuse (Van Niekerk 2011), there are five key considerations that will affect choices related to water reuse as an option for water supply and augmentation:

- Water quality and security of supply
- Water treatment technology
- Cost relative to other water supply alternatives.
- Social and cultural perceptions
- Environmental considerations

Costs and benefits with respect to reuse options will determine the contribution that reuse can play in respect to achieving net zero water. Reuse is regarded as a significant contributor to achieving net zero water, as it serves as a broad set of consideration and customised innovations. However, in the main reuse management in the IP context, reuse should focus on grey water use and recycling of treated water. In general treatment consideration relates directly to fitness for use suitability and requirements (levels of treatment equates to levels of use).

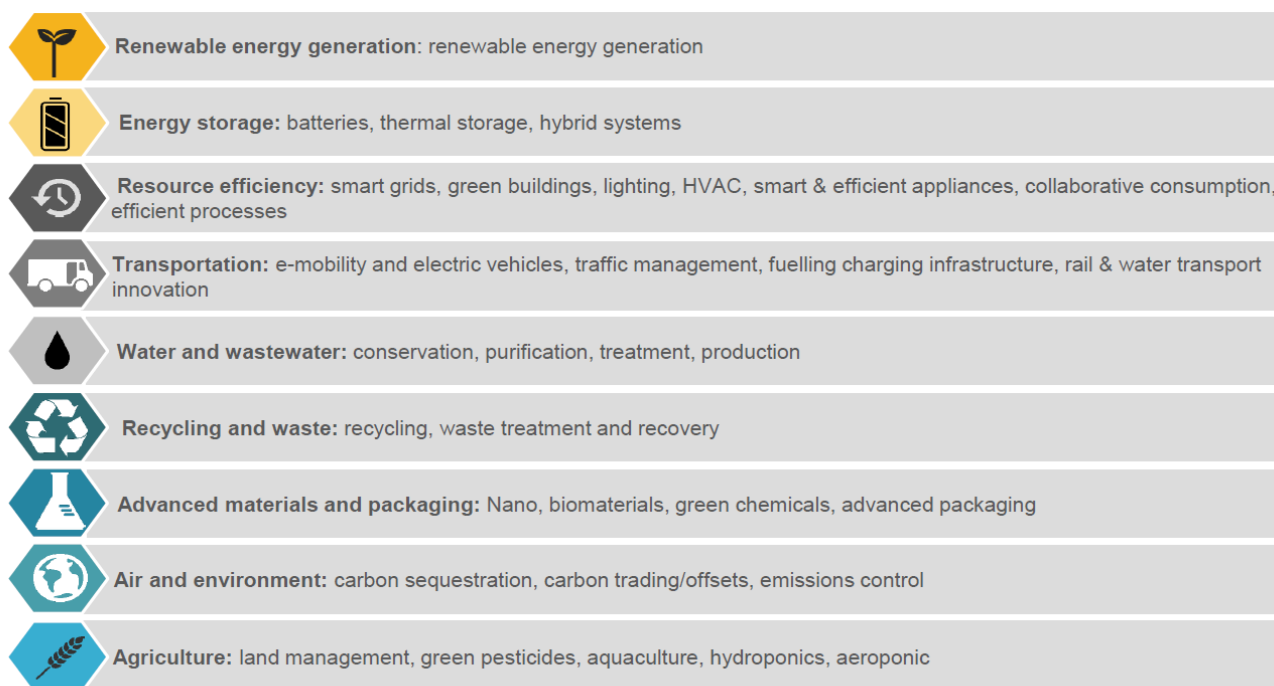
## Annexure 2: Atlantis Greentech Definition and Living Lab

### Greentech

The concept of Greentech is built from the principles of a green economy that is low carbon (zero carbon), resource efficient and socially inclusive. Greentech can also be defined as technology whose use is intended to mitigate or reverse the effects of human activity on the environment. The Greentech definition includes, but is not limited to, technologies relating to renewable energy, energy storage, energy efficiency, water efficiency and management, greener packaging, recycling / re-use (i.e., circular economy), and green chemicals.

The definition of a resource-efficient producer is one that employs processes, products, and services to increase the resource-efficiency of production and to reduce pollution and minimise negative impacts on humans and the environment.

The categories of Greentech utilised by the Atlantis SEZ are illustrated below:



Source: Own analysis based on Kachan & Co (2012) and Cleantech Scandinavia (2018).

While the Atlantis SEZ will focus on attracting producers of Greentech products and services, resource-efficient manufacturers of products will also be eligible to apply to establish operations in the ASEZ.

### The Living Lab

As the DEFF, DTIC and DSI (2020) Green Policy Review states,

*“The integration of sustainability into industrial policy should ultimately lead to greening the programmes which form industrial policy. Support to key industrial value chains should be strategic, time-bound and conditional to green performance improvements. Measures*

*incompatible with the transition, such as fossil fuel subsidies, should be progressively phased out. Complementarily, policy and regulatory bottlenecks for industries to move towards a sustainable development pathway should be identified and unlocked. Moreover, measures necessary to stimulate and unlock market demand, particularly from the private sector and households, should be prioritised.”*

The review, perhaps for the first time, puts Greentech and the green economy at the centre of South African industrial policy going forward. However, it also acknowledges that this transition has many parts and that we have much to learn. It stresses the importance of learning and sharing of lessons.

Locally, the City of Cape Town has also made numerous commitments to sustainability, including a commitment to be Carbon Neutral by 2050. What is significant about this commitment is that the City of Cape is actively seeking to support, procure and enable Greentech businesses which are carbon neutral or negative.

*“CARBON NEUTRALITY means introducing new technologies to completely clean up the fuels and activities that currently cause GHG emissions, while enhancing our social, economic and environmental goals.” City of Cape Town Carbon Neutral Statement (2020/1)*

The Atlantis Greentech SEZ is a publicly funded industrial zone. It is also an opportunity to experiment with how a sustainable green industrial zone that supports the circular economy can operate and function. The goal of the Living Lab is to push the boundaries of what is possible in terms of running and operating a sustainable, green, industrial zone, and to share those lessons.

The Living Lab builds on the three principles underpinning the SEZ Greentech approach:

- Lower (zero) carbon,
- Resource efficient, and
- Socially inclusive.

These principles guide which investors are considered Greentech and able to invest. With the Living Lab concept, these principles are extended into how the SEZ is run and managed. The term, “Living Lab” is purposefully used in the strategy for the following reasons:

- The SEZ to be used as an opportunity to show-case Greentech industrial processes and services; and
- The zone can provide living examples of what can be done, along with the associated challenges and opportunities of operating such a green zone.

There are benefits for investors aiming for:

- Reduced service costs (including via industrial symbiosis);
- Energy and water security, and
- Green production certification.

Benefits for community are based on:

- Focus on inclusion; and
- Focus on spill overs and skills and enterprise development.

## The Living Lab in the ASEZ

The goals of the Living Lab are defined as:

- To continually reduce our carbon emissions, improve our resource efficiency and to build social inclusivity in everything we do. This means focusing on things like renewable energy, electricity storage and electric vehicles (electricity supply and petrol/diesel motor vehicles account for up to 80% of carbon emissions).
- To test a policy and practical framework for sustainable industrialisation.
- To share insights and lessons from implementing a green industrial zone (including green utility services, green operating models and financial models for installing and running green utilities):
- In future all industrial development will need to be done this way if we are to achieve sustainability, grow the circular economy, and tackle the drivers exacerbating the environmental crises.
- To actively pursue collaboration and partnerships as a basis for innovation and 'learning-by-doing'.
- To actively seek and work with institutions and agencies who share our vision and to use the zone as an opportunity to explore and test innovative ideas for sustainable industrialisation and advancing the circular economy.

The specific focus areas and desired impacts of the Living Lab are currently sketched (as a point of departure) as follows:

### Inclusivity:

- Maximise opportunities for local employment and SMME contractors in operations and maintenance.
- Pursue opportunities for local employment and SMME contractors in the investor value chain (inside and outside the zone – spill overs).
- Support investor training and employment of locals and ongoing skills development; and
- Actively curate, with partners, enterprise development programmes in the local community for broader benefit and impact.

### Zero carbon / carbon negative:

- Powered by renewable energy and energy storage systems,
- Supported by electric vehicles (or non-carbon-based fuel powered vehicles),
- Promotion of non-motorised transport solutions and public transport, and
- Green building of industrial shells, amongst others.

### Net zero water:

- Water efficient behaviour, processes, systems & technologies
- Grey and waste-water re-use,
- Maximisation of on-site infiltration (sustainable urban drainage),
- On-site water retention (rainwater tanks, plus ponds, green infrastructure – grass swales, bunds and landscaping choices), and
- Water recycling.

### Net zero waste / zero waste to landfill:

- Waste minimisation (including through process design, product design and behaviour changes)
- Industrial symbiosis,
- On-site reuse and recycling, and
- Material reclamation.

### Harmony with ecological environment - working with nature:

- Maintain and enhance the natural systems – flora and fauna,

- Water-wise landscaping, with use of indigenous species, and
- Green infrastructure usage rather than grey options.

### **Annexure 3: GiZ Reports**

Documents that formed parts of the Net Zero Water Concept and Process Analysis for the Atlantis Special Economic Zone as separate PDFs, as follows:

1. Part 1: Technical framing of the net zero water concept in the context of a defined industrial park
2. Part 2: Atlantis Special Economic Zone as a case study for net zero water in Industrial Parks, South Africa
3. Part 3: Overview of Institutional influencing factors that impact on strategic resource use and application at site level

### 5. PRICING SCHEDULE – FIRM PRICES (PURCHASES)

NOTE: ONLY FIRM PRICES WILL BE ACCEPTED. NON-FIRM PRICES (INCLUDING PRICES SUBJECT TO RATES OF EXCHANGE VARIATIONS) WILL NOT BE CONSIDERED

IN CASES WHERE DIFFERENT DELIVERY POINTS INFLUENCE THE PRICING, A SEPARATE PRICING SCHEDULE MUST BE SUBMITTED FOR EACH DELIVERY POINT

OFFER TO BE VALID FOR 90 DAYS FROM THE CLOSING DATE OF BID.

ALL DELIVERY COSTS MUST BE INCLUDED IN THE BID PRICE, FOR DELIVERY AT THE PRESCRIBED DESTINATION.

\*\* “all applicable taxes” includes value- added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies.

**The quotation must reflect a breakdown of professional and other staff to be employed on the project as well as the tariff of fees associated with each of the member of the Applicant. A full breakdown of the stages and cost components must be provided.**

| No | Description                             | Unit of measure | Quantity | Total |
|----|---|-----------------|----------|-------|
| 1  | Stage One                               | Unit            |          |       |
| 2  | Stage Two                               | Unit            |          |       |
| 3  | Stage Three                             | Unit            |          |       |
| 4  |   | Unit            |          |       |
| 5  |   | Unit            |          |       |
| 6  |   | Unit            |          |       |
| 7  |   | Unit            |          |       |
| 8  |   | Unit            |          |       |
| 9  | Other Items/disbursements including VAT | Unit            |          |       |
| 10 | <b>Other:</b> (Specify)                 |                 |          |       |
|    | Subtotal                                |                 |          |       |
|    | Vat                                     |                 |          |       |
|    | <b>GRAND TOTAL</b>                      |                 |          |       |

The total estimated cost of the contract will not exceed R 1 000 000.00 (**One Million Rand**) including VAT and all disbursement.



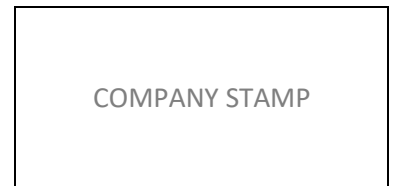
**Please append an official quotation on your company letterhead as well.**

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**Signature of Service Provider**

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**Date**



## 6. DECLARATION OF INTEREST

1. Any legal person, including persons employed by the state<sup>1</sup>, or persons having a kinship with persons employed by the state, including a blood relationship, may make an offer or offers in terms of this invitation to bid (includes a price quotation, advertised competitive bid, limited bid or proposal). In view of possible allegations of favouritism, should the resulting bid, or part thereof, be awarded to persons employed by the state, or to persons connected with or related to them, it is required that the bidder or his/her authorised representative declare his/her position in relation to the evaluating/adjudicating authority where-
  - the bidder is employed by the state; and/or
  - the legal person on whose behalf the bidding document is signed, has a relationship with persons/a person who are/is involved in the evaluation and or adjudication of the bid(s), or where it is known that such a relationship exists between the person or persons for or on whose behalf the declarant acts and persons who are involved with the evaluation and or adjudication of the bid.
2. **In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.**
  - 2.1 Full Name of bidder or his or her representative: .....
  - 2.2 Identity Number: .....
  - 2.3 Position occupied in the Company (director, trustee, shareholder<sup>2</sup>): .....
  - 2.4 Company Registration Number: .....
  - 2.5 Tax Reference Number: .....
  - 2.6 VAT Registration Number: .....
  - 2.6.1 The names of all directors / trustees / shareholders / members, their individual identity numbers, tax reference numbers and, if applicable, employee / persal numbers must be indicated in paragraph 3 below.

<sup>1</sup>"State" means –

- (a) any national or provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No. 1 of 1999);
- (b) any municipality or municipal entity;
- (c) provincial legislature;
- (d) national Assembly or the national Council of provinces; or
- (e) Parliament.

<sup>2</sup>"Shareholder" means a person who owns shares in the company and is actively involved in the management of the enterprise or business and exercises control over the enterprise.

2.7 Are you or any person connected with the bidder **YES / NO**  
presently employed by the state?

2.7.1 If so, furnish the following particulars:

Name of person / director / trustee / shareholder/ member: .....

Name of state institution at which you or the person

connected to the bidder is employed: .....

Position occupied in the state institution: .....

Any other particulars:

.....

.....

.....

2.7.2 If you are presently employed by the state, did you obtain **YES / NO**  
the appropriate authority to undertake remunerative

work outside employment in the public sector?

2.7.2.1 If yes, did you attach proof of such authority to the bid document?

**YES / NO**

(Note: Failure to submit proof of such authority, were applicable, may result in the disqualification of the bid.

2.7.2.2 If no, furnish reasons for non-submission of such proof:

.....  
.....  
.....

2.8 Did you or your spouse, or any of the company's directors / trustees / shareholders / members or their spouses conduct business with the state in the previous twelve months?

**YES / NO**

2.8.1 If so, furnish particulars:

.....  
.....  
.....

2.9 Do you, or any person connected with the bidder, have any relationship (family, friend, other) with a person employed by the state and who may be involved with the evaluation and or adjudication of this bid?

**YES / NO**

2.9.1 If so, furnish particulars.

.....  
.....

.....

2.10 Are you, or any person connected with the bidder, **YES/NO**  
aware of any relationship (family, friend, other) between  
any other bidder and any person employed by the state  
who may be involved with the evaluation and or adjudication  
of this bid?

2.10.1 If so, furnish particulars.

.....

.....

.....

2.11 Do you or any of the directors / trustees / shareholders / members **YES/NO**  
of the company have any interest in any other related companies  
whether or not they are bidding for this contract?

2.11.1 If so, furnish particulars:

.....

.....

.....

**3 Full details of directors / trustees / members / shareholders.**

| Full Name | Identity Number | Personal Tax Reference<br>Number | State Employee Number<br>/ Persal Number |
|-----------|-----------------|----------------------------------|--|
|           |                 |                                  |  |

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#### 4 DECLARATION

I, THE UNDERSIGNED (NAME).....

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

I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS OF PARAGRAPH 23 OF THE GENERAL CONDITIONS OF CONTRACT SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....

Signature

.....

Date

.....

Position

.....

Name of bidder

**7. PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2017**

This preference form must form part of all bids invited. It contains general information and serves as a claim form for preference points for Broad-Based Black Economic Empowerment (B-BBEE) Status Level of Contribution

**NB: BEFORE COMPLETING THIS FORM, BIDDERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS, AND DIRECTIVES APPLICABLE IN RESPECT OF B-BBEE, AS PRESCRIBED IN THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017.**

**1. GENERAL CONDITIONS**

1.1. The following preference point systems are applicable to all bids:

- 1.1.1. the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); and
- 1.1.2. the 90/10 system for requirements with a Rand value above R50 000 000 (all applicable taxes included).

1.2.

- 1.2.1. The value of this bid is estimated to exceed/not exceed R50 000 000 (all applicable taxes included) and therefore the ..... preference point system shall be applicable; or
- 1.2.2. Either the 80/20 or 90/10 preference point system will be applicable to this tender (delete whichever is not applicable for this tender).

- 1.2.3. Either the 80/20 or 90/10 preference point system will be applicable to this tender (delete whichever is not applicable for this tender).

1.3. Points for this bid shall be awarded for:

- 1.3.1. Price; and
- 1.3.2. B-BBEE Status Level of Contributor.

1.4. The maximum points for this bid are allocated as follows:

|   | POINTS |
|---|--------|
| PRICE   | 80     |
| B-BBEE STATUS LEVEL OF CONTRIBUTION               | 20     |
| Total points for Price and B-BBEE must not exceed | 100    |

- 1.5. Failure on the part of a bidder to submit proof of B-BBEE Status level of contributor together with the bid, will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.
- 1.6. The purchaser reserves the right to require of a bidder, either before a bid is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the purchaser.

## 2. DEFINITIONS

- 2.1. **“B-BBEE”** means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;
- 2.2. **“B-BBEE status level of contributor”** means the B-BBEE status of an entity in terms of a code of good practice on black economic empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;
- 2.3. **“bid”** means a written offer in a prescribed or stipulated form in response to an invitation by an organ of state for the provision of goods or services, through price quotations, advertised competitive bidding processes or proposals;
- 2.4. **“Broad-Based Black Economic Empowerment Act”** means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- 2.5. **“EME”** means an Exempted Micro Enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act;
- 2.6. **“functionality”** means the ability of a tenderer to provide goods or services in accordance with specifications as set out in the tender documents.
- 2.7. **“prices”** includes all applicable taxes less all unconditional discounts;
- 2.8. **“proof of B-BBEE status level of contributor”** means:
  - 2.8.1. B-BBEE Status level certificate issued by an authorized body or person;
  - 2.8.2. A sworn affidavit as prescribed by the B-BBEE Codes of Good Practice;
  - 2.8.3. Any other requirement prescribed in terms of the B-BBEE Act;
- 2.9. **“QSE”** means a qualifying small business enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act;
- 2.10. **“rand value”** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;

## 3. POINTS AWARDED FOR PRICE

### 3.1. THE 80/20 OR 90/10 PREFERENCE POINT SYSTEMS

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

80/20

or

90/10

$$P_s = 80 \left( 1 - \frac{P_t - P_{\min}}{P_{\min}} \right)$$

or

$$P_s = 90 \left( 1 - \frac{P_t - P_{\min}}{P_{\min}} \right)$$

Where



P<sub>s</sub> = Points scored for price of bid under consideration

P<sub>t</sub> = Price of bid under consideration

P<sub>min</sub> = Price of lowest acceptable bid

#### 4. POINTS AWARDED FOR B-BBEE STATUS LEVEL OF CONTRIBUTOR

- 4.1. In terms of Regulation 6 (2) and 7 (2) of the Preferential Procurement Regulations, preference points must be awarded to a bidder for attaining the B-BBEE status level of contribution in accordance with the table below:

| B-BBEE Status Level of Contributor | Number of points<br>(90/10 system) | Number of points<br>(80/20 system) |
|------------------------------------|------------------------------------|------------------------------------|
| 1                                  | 10                                 | 20                                 |
| 2                                  | 9                                  | 18                                 |
| 3                                  | 6                                  | 14                                 |
| 4                                  | 5                                  | 12                                 |
| 5                                  | 4                                  | 8                                  |
| 6                                  | 3                                  | 6                                  |
| 7                                  | 2                                  | 4                                  |
| 8                                  | 1                                  | 2                                  |
| Non-compliant contributor          | 0                                  | 0                                  |

#### 5. BID DECLARATION

- 5.1. Bidders who claim points in respect of B-BBEE Status Level of Contribution must complete the following:

#### 6. B-BBEE STATUS LEVEL OF CONTRIBUTOR CLAIMED IN TERMS OF PARAGRAPHS 1.4 AND 4.1

- 6.1. B-BBEE Status Level of Contributor: . = .....(maximum of 10 or 20 points)

(Points claimed in respect of paragraph 7.1 must be in accordance with the table reflected in paragraph 4.1 and must be substantiated by relevant proof of B-BBEE status level of contributor.

#### 7. SUB-CONTRACTING

- 7.1. Will any portion of the contract be sub-contracted?

(Tick applicable box)

|     |  |    |  |
|-----|--|----|--|
| YES |  | NO |  |
|-----|--|----|--|

7.1.1. If yes, indicate:

7.1.1.1. What percentage of the contract will be subcontracted.....%

7.1.1.2. The name of the sub-contractor.....

7.1.1.3. The B-BBEE status level of the sub-contractor.....

7.1.1.4. Whether the sub-contractor is an EME or QSE

(Tick applicable box)

|     |  |    |  |
|-----|--|----|--|
| YES |  | NO |  |
|-----|--|----|--|

7.1.1.5. Specify, by ticking the appropriate box, if subcontracting with an enterprise in terms of Preferential Procurement Regulations, 2017:

| Designated Group: An EME or QSE which is at least 51% owned by:   | EME | QSE |
|---|-----|-----|
|   | ✓   | ✓   |
| Black people  |     |     |
| Black people who are youth  |     |     |
| Black people who are women  |     |     |
| Black people with disabilities                                    |     |     |
| Black people living in rural or underdeveloped areas or townships |     |     |
| Cooperative owned by black people                                 |     |     |
| Black people who are military veterans                            |     |     |
| OR  |     |     |
| Any EME   |     |     |
| Any QSE   |     |     |

## 8. DECLARATION WITH REGARD TO COMPANY/FIRM

8.1. Name of company/firm: .....

8.2. VAT registration number: .....

8.3. Company registration number :.....

8.4. TYPE OF COMPANY/ FIRM

☐ Partnership/Joint Venture / Consortium

☐ One person business/sole propriety

☐ Close corporation

☐ Company

☐ (Pty) Limited

[TICK APPLICABLE BOX]

8.5. DESCRIBE PRINCIPAL BUSINESS ACTIVITIES

.....  
.....  
.....

8.6. COMPANY CLASSIFICATION

☐ Manufacturer

☐ Supplier

☐ Professional service provider

☐ Other service providers, e.g. transporter, etc.

[TICK APPLICABLE BOX]

8.7. Total number of years the company/firm has been in business: .....

8.8. I/we, the undersigned, who is / are duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the B-BBEE status level of contributor indicated in paragraphs 1.4 and 6.1 of the foregoing certificate, qualifies the company/ firm for the preference(s) shown and I / we acknowledge that:

8.8.1. The information furnished is true and correct;

8.8.2. The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;

8.8.3. In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 6.1, the contractor may be required to furnish documentary proof to the satisfaction of the purchaser that the claims are correct;

8.8.4. If the B-BBEE status level of contributor has been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the purchaser may, in addition to any other remedy it may have –

8.8.4.1. disqualify the person from the bidding process;

8.8.4.2. recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;

8.8.4.3. 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;

8.8.4.4. recommend that the bidder or contractor, its shareholders and directors, or only the

shareholders and directors who acted on a fraudulent basis, be restricted by the National Treasury 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

8.8.4.5. forward the matter for criminal prosecution.

WITNESSES

1. ....
2. ....

.....  
SIGNATURE(S) OF BIDDERS(S)

DATE: .....

## 8. CONTRACT FORM - RENDERING OF SERVICES

**THIS FORM MUST BE FILLED IN DUPLICATE BY BOTH THE SERVICE PROVIDER (PART 1) AND THE PURCHASER (PART 2). BOTH FORMS MUST BE SIGNED IN THE ORIGINAL SO THAT THE SERVICE PROVIDER AND THE PURCHASER WOULD BE IN POSSESSION OF ORIGINALLY SIGNED CONTRACTS FOR THEIR RESPECTIVE RECORDS.**

### **PART 1 (TO BE FILLED IN BY THE SERVICE PROVIDER)**

1. I hereby undertake to render services described in the attached bidding documents to (name of the institution)..... in accordance with the requirements and task directives / proposals specifications stipulated in Bid Number..... at the price/s quoted. My offer/s remain binding upon me and open for acceptance by the Purchaser during the validity period indicated and calculated from the closing date of the bid .
  
2. The following documents shall be deemed to form and be read and construed as part of this agreement:
  - (i) Bidding documents, viz
    - Invitation to bid;
    - Tax clearance certificate;
    - Pricing schedule(s);
    - Filled in task directive/proposal;
    - Preference claims for Broad Based Black Economic Empowerment Status Level of Contribution in terms of the Preferential Procurement Regulations 2011;
    - Declaration of interest;
    - Declaration of bidder's past SCM practices;
    - Certificate of Independent Bid Determination;
    - Special Conditions of Contract;
  - (ii) General Conditions of Contract; and
  - (iii) Other (specify)
  
3. I confirm that I have satisfied myself as to the correctness and validity of my bid; that the price(s) and rate(s) quoted cover all the services specified in the bidding documents; that the price(s) and rate(s) cover all my obligations and I accept that any mistakes regarding price(s) and rate(s) and calculations will be at my own risk.
  
4. I accept full responsibility for the proper execution and fulfilment of all obligations and conditions devolving on me under this agreement as the principal liable for the due fulfillment of this contract.

5. I declare that I have no participation in any collusive practices with any bidder or any other person regarding this or any other bid.
6. I confirm that I am duly authorised to sign this contract.

NAME (PRINT) .....

CAPACITY .....

SIGNATURE .....

NAME OF FIRM .....

DATE .....

WITNESSES

1 .....

**9. CONTRACT FORM - RENDERING OF SERVICES**
**PART 2 (TO BE FILLED IN BY (ASEZ)**

1. I.....in my capacity as.....Accept your bid under reference number .....date.....for the rendering of services indicated hereunder and/or further specified in the annexure(s).
2. An official order indicating service delivery instructions is forthcoming.
3. I undertake to make payment for the services rendered in accordance with the terms and conditions of the contract, within 30 (thirty) days after receipt of an invoice.

| DESCRIPTION OF SERVICE | PRICE (ALL APPLICABLE TAXES INCLUDED) | B-BBEE STATUS LEVEL OF CONTRIBUTION | MINIMUM THRESHOLD FOR LOCAL PRODUCTION AND CONTENT (if applicable) |
|------------------------|---------------------------------------|-------------------------------------|--|
|                        |                                       |                                     |  |

4. I confirm that I am duly authorized to sign this contract.

SIGNED AT .....ON.....

NAME (PRINT) .....

SIGNATURE .....

OFFICIAL STAMP

WITNESSES

1 .....

### 10. DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES

- 1 This Standard Bidding Document must form part of all bids invited.
- 2 It serves as a declaration to be used by institutions in ensuring that when goods and services are being procured, all reasonable steps are taken to combat the abuse of the supply chain management system.
- 3 The bid of any bidder may be disregarded if that bidder, or any of its directors have-
  - a. abused the institution's supply chain management system;
  - b. committed fraud or any other improper conduct in relation to such system; or
  - c. failed to perform on any previous contract.
- 4 **In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.**

| Item | Question   | Yes  | No  |
|------|--|--|---|
| 4.1  | <p>Is the bidder or any of its directors listed on the National Treasury's Database of Restricted Suppliers as companies or persons prohibited from doing business with the public sector?</p> <p><b>(Companies or persons who are listed on this Database were informed in writing of this restriction by the Accounting Officer/Authority of the institution that imposed the restriction after the <i>audi alteram partem</i> rule was applied).</b></p> <p>The Database of Restricted Suppliers now resides on the National Treasury's website(<a href="http://www.treasury.gov.za">www.treasury.gov.za</a>) and can be accessed by clicking on its link at the bottom of the home page.</p> | <p>Yes</p> <p><input type="checkbox"/></p> | <p>No</p> <p><input type="checkbox"/></p> |



|       |  |                                     |                                    |
|-------|--|-------------------------------------|------------------------------------|
| 4.1.1 | If so, furnish particulars:  |                                     |                                    |
| 4.2   | <p>Is the bidder or any of its directors listed on the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)?</p> <p><b>The Register for Tender Defaulters can be accessed on the National Treasury's website (<a href="http://www.treasury.gov.za">www.treasury.gov.za</a>) by clicking on its link at the bottom of the home page.</b></p> | <p>Yes</p> <input type="checkbox"/> | <p>No</p> <input type="checkbox"/> |
| 4.2.1 | If so, furnish particulars:  |                                     |                                    |
| 4.3   | <p>Was the bidder or any of its directors convicted by a court of law (including a court outside of the Republic of South Africa) for fraud or corruption during the past five years?</p>  | <p>Yes</p> <input type="checkbox"/> | <p>No</p> <input type="checkbox"/> |
| 4.3.1 | If so, furnish particulars:  |                                     |                                    |
| 4.4   | <p>Was any contract between the bidder and any organ of state terminated during the past five years on account of failure to perform on or comply with the contract?</p>   | <p>Yes</p> <input type="checkbox"/> | <p>No</p> <input type="checkbox"/> |

|       |                             |
|-------|-----------------------------|
| 4.4.1 | If so, furnish particulars: |
|-------|-----------------------------|

**SBD 8**

**CERTIFICATION**

**I, THE UNDERSIGNED (FULL NAME).....**

**CERTIFY THAT THE INFORMATION FURNISHED ON THIS DECLARATION FORM IS TRUE AND CORRECT.**

**I ACCEPT THAT, IN ADDITION TO CANCELLATION OF A CONTRACT, ACTION MAY BE TAKEN AGAINST ME SHOULD THIS DECLARATION PROVE TO BE FALSE.**

.....

**Signature**

.....

**Date**

.....

**Position**

.....

**Name of Bidder**

### 11. CERTIFICATE OF INDEPENDENT BID DETERMINATION

- 1 This Standard Bidding Document (SBD) must form part of all bids<sup>1</sup> invited.
- 2 Section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, prohibits an agreement between, or concerted practice by, firms, or a decision by an association of firms, if it is between parties in a horizontal relationship and if it involves collusive bidding (or bid rigging).<sup>2</sup> Collusive bidding is a *pe se* prohibition meaning that it cannot be justified under any grounds.
- 3 Treasury Regulation 16A9 prescribes that accounting officers and accounting authorities must take all reasonable steps to prevent abuse of the supply chain management system and authorizes accounting officers and accounting authorities to:
  - a. disregard the bid of any bidder if that bidder, or any of its directors have abused the institution's supply chain management system and or committed fraud or any other improper conduct in relation to such system.
  - b. cancel a contract awarded to a supplier of goods and services if the supplier committed any corrupt or fraudulent act during the bidding process or the execution of that contract.
- 4 This SBD serves as a certificate of declaration that would be used by institutions to ensure that, when bids are considered, reasonable steps are taken to prevent any form of bid-rigging.
- 5 In order to give effect to the above, the attached Certificate of Bid Determination (SBD 9) must be completed and submitted with the bid:

<sup>1</sup> Includes price quotations, advertised competitive bids, limited bids and proposals.

<sup>2</sup> Bid rigging (or collusive bidding) occurs when businesses, that would otherwise be expected to compete, secretly conspire to raise prices or lower the quality of goods and / or services for purchasers who wish to acquire goods and / or services through a bidding process. Bid rigging is, therefore, an agreement between competitors not to compete.

I, the undersigned, in submitting the accompanying bid:

---

(Bid Number and Description)

in response to the invitation for the bid made by:

---

(Name of Institution)

do hereby make the following statements that I certify to be true and complete in every respect:

I certify, on behalf of: \_\_\_\_\_ that:

(Name of Bidder)

1. I have read and I understand the contents of this Certificate;
2. I understand that the accompanying bid will be disqualified if this Certificate is found not to be true and complete in every respect;
3. I am authorized by the bidder to sign this Certificate, and to submit the accompanying bid, on behalf of the bidder;
4. Each person whose signature appears on the accompanying bid has been authorized by the bidder to determine the terms of, and to sign the bid, on behalf of the bidder;
5. For the purposes of this Certificate and the accompanying bid, I understand that the word "competitor" shall include any individual or organization, other than the bidder, whether or not affiliated with the bidder, who:
  - (a) has been requested to submit a bid in response to this bid invitation;
  - (b) could potentially submit a bid in response to this bid invitation, based on their qualifications, abilities or experience; and
  - (c) provides the same goods and services as the bidder and/or is in the same line of business as the bidder

6. 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 consortium<sup>3</sup> will not be construed as collusive bidding.
7. In particular, without limiting the generality of paragraphs 6 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
  - (a) prices;
  - (b) geographical area where product or service will be rendered (market allocation)
  - (c) methods, factors or formulas used to calculate prices;
  - (d) the intention or decision to submit or not to submit, a bid;
  - (e) the submission of a bid which does not meet the specifications and conditions of the bid; or
  - (f) bidding with the intention not to win the bid.
8. In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications and conditions or delivery particulars of the products or services to which this bid invitation relates.
9. 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.
10. 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.

<sup>3</sup> 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.

.....  
Signature

.....  
Date

.....  
Position

.....  
Name of Bidder

**12. NATIONAL TREASURY GENERAL CONDITIONS OF CONTRACT (NT GCC)**

**NATIONAL TREASURY GENERAL CONDITIONS OF CONTRACT (NT GCC)**

\*Please refer to the website of the National Treasury for the general conditions of contract  
<http://www.treasury.gov.za/divisions/ocpo/sc/GeneralConditions/General%20Conditions%20of%20Contract-%20Inclusion%20of%20par%2034%20CIBD.pdf>

I confirm that I have read and understand the conditions set out in the above link in terms of the General Conditions of Contract am duly authorized to sign this contract.

SIGNED AT .....ON.....

NAME (PRINT) .....

SIGNATURE .....

WITNESSES

3 .....