

Bid Number: SAWS-453/26

Supply and delivery of Hydrogen Generators with onboard and handheld hydrogen leak detection devices and sensors, Reverse Osmosis and Water De-Ionizer Systems, and Water Filtration Systems.

Closing Date and Time: 12 October 2026 at 11:00

Validity Period: 90 days from closing date of bid

BRIEFING SESSION

Date:	28 September 2026
Time:	10:00 - 10:30
Venue:	Microsoft Teams Meeting ID: 386 162 797 547 840 Passcode: pU6qN2uD
Compulsory:	Yes

THIS BID WILL CLOSE ELECTRONICALLY ON THE eTENDER PLATFORM WHICH MAKES PROVISION FOR THE ELECTRONIC SUBMISSION OF BIDS

Bid Proposals to be submitted online on the e-Tender platform <https://www.etenders.gov.za/>
Any bidder who fails to submit via the e-Tender platform will be disqualified.

Tutorial Link on uploading bid documents on e-Tender platform <https://youtu.be/B7pNseNJYHM>

Bidders responding to this bid must ensure that they complete and submit all the documents issued with this bid together with the bidders' response i.e. any additional documentation before the closing time of this bid. Responses received after the closing time will NOT be considered.

ENQUIRIES:

Any clarification required by a bidder regarding the meaning or interpretation of the document or any aspect concerning the submission is to be requested **in writing** from:

SCM: Acquisition Department
South African Weather Service
Email: bids@weathersa.co.za

Any enquiries relating to this bid must be submitted in writing not later than 5 days prior to the closing date of the bid.

Contents

Invitation to Bid	Annexure A
General Conditions of Contract (GCC)	Annexure B
Bidder's Disclosure.....	Annexure C
Preference points claim form in terms of the Preferential Procurement Regulations 2022 ...	Annexure F
Pricing Schedule	Annexure G
Specifications / Terms of Reference	Annexure H
POPIA Supplier Notice and Consent form.....	Annexure i
National Industrial Participation Programme (NIPP)	Annexure J

PART A

INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF SOUTH AFRICAN WEATHER SERVICE

1 SUPPLIER INFORMATION

The following section must be completed by the bidder. Failure to do so may result in the offer being rejected.

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] ☐ Yes ☐ No		B-BBEE STATUS LEVEL SWORN AFFIDAVIT		[TICK APPLICABLE BOX] ☐ Yes ☐ No
[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE / SWORN AFFIDAVIT (FOR EMES & QSEs) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS CLAIMED]					

ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	☐ Yes ☐ No [IF YES ENCLOSE PROOF]	ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?	☐ Yes ☐ No [IF YES, ANSWER THE QUESTIONNAIRE BELOW]
QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS			
IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)? ☐ YES ☐ NO DOES THE ENTITY HAVE A BRANCH IN THE RSA? ☐ YES ☐ NO DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA? ☐ YES ☐ NO DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA? ☐ YES ☐ NO IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION? ☐ YES ☐ 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. 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 (SCC).
- 1.4 **The successful bidder will be required to fill in and sign a written contract form (SBD7).**
- 1.5 Bidders are advised to initial all pages of their bid.
- 1.6 **Submission of bids**

THIS BID WILL CLOSE ELECTRONICALLY ON THE eTENDER PLATFORM WHICH MAKES PROVISION FOR THE ELECTRONIC SUBMISSION OF BIDS (<https://www.etenders.gov.za/>)

Bidders responding to this bid must ensure that they complete and submit all the documents issued with this bid together with the bidders' response i.e. any additional documentation before the closing time of this bid. Responses received after the closing time will NOT be considered. **Any bidder who fails to submit via the e-submission (eTENDER) platform will be disqualified.**

Returnable Documents:

The following documents must be included:

- Invitation to Bid: Annexure A
- General Conditions of Contract: Annexure B
- Bidder's Disclosure: Annexure C
- Preference points claim form in terms of the Preferential Procurement Regulations: Annexure F
- Pricing Schedule and Financial Proposal: Annexure G.
- Specifications / Terms of Reference, Annexure H, together with the bidder's response to Annexure H (Technical / Functional Proposal).
- POPIA supplier consent form: Annexure i
- Any other documentation issued with the bid.

The South African Weather Service (SAWS) reserves the right to reject a bid should it not be submitted in the prescribed format.

- 1.7 The South African Weather Service (SAWS) is not bound to accept any of the offers submitted and reserves the right to:

- 1.7.1 Reject bids that are not according to Specifications / Terms of Reference;
- 1.7.2 Reject bids with incomplete standard bidding documents (SBD's);
- 1.7.3 Request further information from any bidder after the closing date of the bid for clarity purposes;
- 1.7.4 Conduct site inspection/s to verify the infrastructure of bidders before final selection and award;
- 1.7.5 Not to award the bid if the bid price is not market related;
- 1.7.6 Not to award the bid to a bidder whose tax matters have not been declared by the SARS to be in order;
- 1.7.7 Reject a bid if the bidder has committed a proven corrupt or fraudulent act in competing for any contract;
- 1.7.8 Award the bid in totality to one or partially to more than one bidder;
- 1.7.9 Conduct reference / background checks on bidders and / or individuals to, among other things, verify information provided by a bidder, confirm a firm's existence and track record, identify its owners and affiliations or verify an individual's educational and professional credentials.
- 1.8 The South African Weather Service may, prior to award of the bid, cancel the bid if:
 - 1.8.1 Due to changed circumstances, there is no longer a need for the goods or services requested;
 - 1.8.2 Funds are no longer available to cover the total envisaged expenditure;
 - 1.8.3 No acceptable tenders are received;
 - 1.8.4 Due to material irregularities in the tender process.
- 1.9 Any effort or attempt by a bidder to influence the award decision in any matter may result in the rejection of the bid.
- 1.10 Costs incurred by the bidder in respect of attending any briefing / information / site visit / presentation will be borne by the bidder and the South African Weather Service will not be liable to reimburse such costs incurred by the bidder or his/her representative/s.
- 1.11 Cost incurred by the bidder in preparing and submission of any bid proposal will be borne by the bidder and the South African Weather Service will not be liable to reimburse such costs incurred by the bidder or his/her representative/s.
- 1.12 The South African Weather Service shall on receipt of any proposal relating to this bid become the owner thereof and shall not be obliged to return any proposal.
- 1.13 The bidders shall indemnify the South African Weather Service against all third-party claims of infringement of patent, trademark, or industrial design rights arising from the use of the goods or any part thereof by the South African Weather Service.
- 1.14 The South African Weather Service reserves the right to request a bidders latest audited financial statements prior to the award of the bid in order to ascertain financial stability of the bidder. Failure by a bidder to provide such information upon request may result in the rejection of the bid submitted by the bidder.
- 1.15 Subcontracting: Tenderers or contractors must submit proof of subcontracting between the main tenderer and the subcontractor. Proof of subcontracting arrangement may include a subcontracting

agreement between the main tenderer and the subcontractor.

- 1.16 The SAWS reserves the right to request final presentation only to the short listed bidders to the evaluation committee. The shortlisted service providers will be subjected to present their service offering in line with the bid requirements/scope of work. The SAWS might also conduct site visit to ensure the firm existence and validate the firm's proposed capacity/employees and administration office.
- 1.17 The service provider must have duly approved operational premises with the necessary infrastructure to provide services and relevant accreditation by the relevant body. Before the awarding of the tender a due diligence site visit will be carried out at the premises of the service provider. The due diligence site visit will be conducted solely to verify information submitted in the bid and the bidder's capacity to perform the contract.
- 1.18 Supplier Performance Management is viewed by the SAWS as critical component in ensuring value for money acquisition and good supplier relations between the SAWS and all its suppliers. The successful bidders shall upon receipt of written notification of an award, be required to conclude a SLA with the SAWS, which will form an integral part of the supply agreement. The SLA will serve as a tool to measure, monitor and assess the supplier's performance level and ensure effective delivery of service, quality and value-add to SAWS's business. Successful bidders are required to comply with the above condition, and also provide a scorecard on how their product / service offering is being measured to achieve the objectives of this condition.
- 1.19 The SAWS respects your privacy and acknowledge that your submission/s will contain personal details, which may belong to you, others and / or to your company (Personal Information). By sending us your submissions, you expressly give us consent to process and further process the Personal Information contained therein which processing will be done in accordance with POPIA, the SAWS POPIA policy and our standard section 18 informed consent documentation which sets out why we need the Personal Information, what we will do with it, and who we will share it with, which you are to familiarise yourself with by downloading it from our website i.e. www.weathersa.co.za
- 1.20 Unless stated otherwise in this Bid or as mutually agreed upon by both parties prior to award of the Bid, all payments due to creditors for goods delivered / services rendered will be settled within thirty (30) days from receipt of an invoice.
- 1.21 In case of a Joint Venture, Consortium, Trust, or Partnership, a signed teaming agreement must be submitted.
- 1.22 The South African Weather Service will conduct supplier due diligence to the recommended bidder prior to award of the contract.

The due diligence process will include the following:

- **Reference Letter Verification**

SAWS will verify the authenticity of all reference letters submitted by the bidder to confirm that the services were rendered or the goods were delivered, and that the referees are legitimate.

It is the bidder's responsibility to ensure that the contact details and emails provided on the reference letters are correct, valid, and responsive. Each reference letter submitted in support of the bidder's experience will be verified. Where references cannot be verified due to incorrect, invalid, or non-responsive contact details, or where the information provided is found to be

inaccurate or misleading, SAWS reserves the right to regard the relevant experience claim as not proven and to adjust the score or disqualify the bidder's, accordingly.

- **Original Equipment Manufacturer (OEM) Accreditation Verification**

SAWS reserves the right to verify all OEM accreditations, certifications, and authorisations submitted by the bidder. Where OEM authorisation is a requirement, the bidder must provide a valid and active official OEM email address for verification.

Failure to provide verifiable OEM contact details, or where the OEM authorisation cannot be verified, SAWS reserves the right to regard the OEM as not proven and to adjust the score or disqualify the bidder's, accordingly.

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 the South African Revenue Service (SARS) to enable the South African Weather Service to verify the taxpayer's (Bidder's) profile and tax status.
- 2.3 Application for a 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 Tax Compliance Status (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 Pin 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.
- 2.8 Foreign suppliers with neither South African tax obligations nor history of doing business in South Africa must complete the questionnaire on page 2 and 3 of Annexure A. In instances where a recommendation for award of a bid will be made to a foreign bidder, the South African Weather Service will submit the bidders completed Annexure A bid document to the South African Revenue Service. The South African Revenue Service will then issue a confirmation of tax obligations letter to the South African Weather Service confirming whether or not the foreign entity has tax obligations in South Africa.

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

PART C
DECLARATION BY BIDDER

I, in my capacity as
..... hereby declare that I have read and
understood the contents and conditions of this bid and certify that the information furnished is true
and correct. I accept that, in addition to cancellation of a contract, action may be taken against me
should the information provided prove to be false.

Signature:

Date:

Annexure B

General Conditions of Contract

THE NATIONAL TREASURY

Republic of South Africa



GOVERNMENT PROCUREMENT: GENERAL CONDITIONS OF CONTRACT

July 2010

GOVERNMENT PROCUREMENT
GENERAL CONDITIONS OF CONTRACT
July 2010

NOTES

The purpose of this document is to:

- (i) Draw special attention to certain general conditions applicable to government bids, contracts and orders; and
- (ii) To ensure that clients be familiar with regard to the rights and obligations of all parties involved in doing business with government.

In this document words in the singular also mean in the plural and vice versa and words in the masculine also mean in the feminine and neuter.

☐ The General Conditions of Contract will form part of all bid documents and may not be amended.

☐ Special Conditions of Contract (SCC) relevant to a specific bid, should be compiled separately for every bid (if applicable) and will supplement the General Conditions of Contract. Whenever there is a conflict, the provisions in the SCC shall prevail.

TABLE OF CLAUSES

1. Definitions
2. Application
3. General
4. Standards
5. Use of contract documents and information; inspection
6. Patent rights
7. Performance security
8. Inspections, tests and analysis
9. Packing
10. Delivery and documents
11. Insurance
12. Transportation
13. Incidental services
14. Spare parts
15. Warranty
16. Payment
17. Prices
18. Contract amendments
19. Assignment
20. Subcontracts
21. Delays in the supplier's performance
22. Penalties
23. Termination for default
24. Dumping and countervailing duties
25. Force Majeure
26. Termination for insolvency
27. Settlement of disputes
28. Limitation of liability
29. Governing language
30. Applicable law
31. Notices
32. Taxes and duties
33. National Industrial Participation Programme (NIPP)
34. Prohibition of restrictive practices

General Conditions of Contract

1. Definitions

1. The following terms shall be interpreted as indicated:
 - 1.1 “Closing time” means the date and hour specified in the bidding documents for the receipt of bids.
 - 1.2 “Contract” means the written agreement entered into between the purchaser and the supplier, as recorded in the contract form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
 - 1.3 “Contract price” means the price payable to the supplier under the contract for the full and proper performance of his contractual obligations.
 - 1.4 “Corrupt practice” means the offering, giving, receiving, or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution.
 - 1.5 "Countervailing duties" are imposed in cases where an enterprise abroad is subsidized by its government and encouraged to market its products internationally.
 - 1.6 “Country of origin” means the place where the goods were mined, grown or produced or from which the services are supplied. Goods are produced when, through manufacturing, processing or substantial and major assembly of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.
 - 1.7 “Day” means calendar day.
 - 1.8 “Delivery” means delivery in compliance of the conditions of the contract or order.
 - 1.9 “Delivery ex stock” means immediate delivery directly from stock actually on hand.
 - 1.10 “Delivery into consignees store or to his site” means delivered and unloaded in the specified store or depot or on the specified site in compliance with the conditions of the contract or order, the supplier bearing all risks and charges involved until the supplies are so delivered and a valid receipt is obtained.
 - 1.11 "Dumping" occurs when a private enterprise abroad market its goods on own initiative in the RSA at lower prices than that of the country of origin and which have the potential to harm the local industries in the

RSA.

- 1.12 "Force majeure" means an event beyond the control of the supplier and not involving the supplier's fault or negligence and not foreseeable. Such events may include, but is not restricted to, acts of the purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.
- 1.13 "Fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any bidder, and includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the bidder of the benefits of free and open competition.
- 1.14 "GCC" means the General Conditions of Contract.
- 1.15 "Goods" means all of the equipment, machinery, and/or other materials that the supplier is required to supply to the purchaser under the contract.
- 1.16 "Imported content" means that portion of the bidding price represented by the cost of components, parts or materials which have been or are still to be imported (whether by the supplier or his subcontractors) and which costs are inclusive of the costs abroad, plus freight and other direct importation costs such as landing costs, dock dues, import duty, sales duty or other similar tax or duty at the South African place of entry as well as transportation and handling charges to the factory in the Republic where the supplies covered by the bid will be manufactured.
- 1.17 "Local content" means that portion of the bidding price which is not included in the imported content provided that local manufacture does take place.
- 1.18 "Manufacture" means the production of products in a factory using labour, materials, components and machinery and includes other related value-adding activities.
- 1.19 "Order" means an official written order issued for the supply of goods or works or the rendering of a service.
- 1.20 "Project site," where applicable, means the place indicated in bidding documents.
- 1.21 "Purchaser" means the organization purchasing the goods.
- 1.22 "Republic" means the Republic of South Africa.
- 1.23 "SCC" means the Special Conditions of Contract.
- 1.24 "Services" means those functional services ancillary to the supply of the goods, such as transportation and any other incidental services, such as installation, commissioning, provision of technical assistance, training, catering, gardening, security, maintenance and other such

obligations of the supplier covered under the contract.

1.25 “Written” or “in writing” means handwritten in ink or any form of electronic or mechanical writing.

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| 2. Application | <p>2.1 These general conditions are applicable to all bids, contracts and orders including bids for functional and professional services, sales, hiring, letting and the granting or acquiring of rights, but excluding immovable property, unless otherwise indicated in the bidding documents.</p> <p>2.2 Where applicable, special conditions of contract are also laid down to cover specific supplies, services or works.</p> <p>2.3 Where such special conditions of contract are in conflict with these general conditions, the special conditions shall apply.</p> |
| 3. General | <p>3.1 Unless otherwise indicated in the bidding documents, the purchaser shall not be liable for any expense incurred in the preparation and submission of a bid. Where applicable a non-refundable fee for documents may be charged.</p> <p>3.2 With certain exceptions, invitations to bid are only published in the Government Tender Bulletin. The Government Tender Bulletin may be obtained directly from the Government Printer, Private Bag X85, Pretoria 0001, or accessed electronically from www.treasury.gov.za</p> |
| 4. Standards | <p>4.1 The goods supplied shall conform to the standards mentioned in the bidding documents and specifications.</p> |
| 5. Use of contract documents and information; inspection. | <p>5.1 The supplier shall not, without the purchaser’s prior written consent, disclose the contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the purchaser in connection therewith, to any person other than a person employed by the supplier in the performance of the contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.</p> <p>5.2 The supplier shall not, without the purchaser’s prior written consent, make use of any document or information mentioned in GCC clause 5.1 except for purposes of performing the contract.</p> <p>5.3 Any document, other than the contract itself mentioned in GCC clause 5.1 shall remain the property of the purchaser and shall be returned (all copies) to the purchaser on completion of the supplier’s performance under the contract if so required by the purchaser.</p> <p>5.4 The supplier shall permit the purchaser to inspect the supplier’s records relating to the performance of the supplier and to have them audited by auditors appointed by the purchaser, if so required by the purchaser.</p> |
| 6. Patent rights | <p>6.1 The supplier shall indemnify the purchaser against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the goods or any part thereof by the purchaser.</p> |

7. Performance security

- 7.1 Within thirty (30) days of receipt of the notification of contract award, the successful bidder shall furnish to the purchaser the performance security of the amount specified in SCC.
- 7.2 The proceeds of the performance security shall be payable to the purchaser as compensation for any loss resulting from the supplier's failure to complete his obligations under the contract.
- 7.3 The performance security shall be denominated in the currency of the contract, or in a freely convertible currency acceptable to the purchaser and shall be in one of the following forms:
- (a) a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the purchaser's country or abroad, acceptable to the purchaser, in the form provided in the bidding documents or another form acceptable to the purchaser; or
 - (b) a cashier's or certified cheque
- 7.4 The performance security will be discharged by the purchaser and returned to the supplier not later than thirty (30) days following the date of completion of the supplier's performance obligations under the contract, including any warranty obligations, unless otherwise specified in SCC.

8. Inspections, tests and analyses

- 8.1 All pre-bidding testing will be for the account of the bidder.
- 8.2 If it is a bid condition that supplies to be produced or services to be rendered should at any stage during production or execution or on completion be subject to inspection, the premises of the bidder or contractor shall be open, at all reasonable hours, for inspection by a representative of the Department or an organization acting on behalf of the Department.
- 8.3 If there are no inspection requirements indicated in the bidding documents and no mention is made in the contract, but during the contract period it is decided that inspections shall be carried out, the purchaser shall itself make the necessary arrangements, including payment arrangements with the testing authority concerned.
- 8.4 If the inspections, tests and analyses referred to in clauses 8.2 and 8.3 show the supplies to be in accordance with the contract requirements, the cost of the inspections, tests and analyses shall be defrayed by the purchaser.
- 8.5 Where the supplies or services referred to in clauses 8.2 and 8.3 do not comply with the contract requirements, irrespective of whether such supplies or services are accepted or not, the cost in connection with these inspections, tests or analyses shall be defrayed by the supplier.
- 8.6 Supplies and services which are referred to in clauses 8.2 and 8.3 and which do not comply with the contract requirements may be rejected.
- 8.7 Any contract supplies may on or after delivery be inspected, tested or

analyzed and may be rejected if found not to comply with the requirements of the contract. Such rejected supplies shall be held at the cost and risk of the supplier who shall, when called upon, remove them immediately at his own cost and forthwith substitute them with supplies which do comply with the requirements of the contract. Failing such removal the rejected supplies shall be returned at the suppliers cost and risk. Should the supplier fail to provide the substitute supplies forthwith, the purchaser may, without giving the supplier further opportunity to substitute the rejected supplies, purchase such supplies as may be necessary at the expense of the supplier.

- 8.8 The provisions of clauses 8.4 to 8.7 shall not prejudice the right of the purchaser to cancel the contract on account of a breach of the conditions thereof, or to act in terms of Clause 23 of GCC.

9. Packing

- 9.1 The supplier shall provide such packing of the goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing, case size and weights shall take into consideration, where appropriate, the remoteness of the goods' final destination and the absence of heavy handling facilities at all points in transit.
- 9.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the contract, including additional requirements, if any, specified in SCC, and in any subsequent instructions ordered by the purchaser.

10. Delivery and documents

- 10.1 Delivery of the goods shall be made by the supplier in accordance with the terms specified in the contract. The details of shipping and/or other documents to be furnished by the supplier are specified in SCC.
- 10.2 Documents to be submitted by the supplier are specified in SCC.

11. Insurance

- 11.1 The goods supplied under the contract shall be fully insured in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the manner specified in the SCC.

12. Transportation

- 12.1 Should a price other than an all-inclusive delivered price be required, this shall be specified in the SCC.

13. Incidental services

- 13.1 The supplier may be required to provide any or all of the following services, including additional services, if any, specified in SCC:
- (a) performance or supervision of on-site assembly and/or commissioning of the supplied goods;
 - (b) furnishing of tools required for assembly and/or maintenance of the supplied goods;
 - (c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied goods;

- (d) performance or supervision or maintenance and/or repair of the supplied goods, for a period of time agreed by the parties, provided that this service shall not relieve the supplier of any warranty obligations under this contract; and
- (e) training of the purchaser's personnel, at the supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied goods.

13.2 Prices charged by the supplier for incidental services, if not included in the contract price for the goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the supplier for similar services.

14. Spare parts

14.1 As specified in SCC, the supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the supplier:

- (a) such spare parts as the purchaser may elect to purchase from the supplier, provided that this election shall not relieve the supplier of any warranty obligations under the contract; and
- (b) in the event of termination of production of the spare parts:
 - (i) Advance notification to the purchaser of the pending termination, in sufficient time to permit the purchaser to procure needed requirements; and
 - (ii) following such termination, furnishing at no cost to the purchaser, the blueprints, drawings, and specifications of the spare parts, if requested.

15. Warranty

15.1 The supplier warrants that the goods supplied under the contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the contract. The supplier further warrants that all goods supplied under this contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the purchaser's specifications) or from any act or omission of the supplier, that may develop under normal use of the supplied goods in the conditions prevailing in the country of final destination.

15.2 This warranty shall remain valid for twelve (12) months after the goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the contract, or for eighteen (18) months after the date of shipment from the port or place of loading in the source country, whichever period concludes earlier, unless specified otherwise in SCC.

15.3 The purchaser shall promptly notify the supplier in writing of any claims arising under this warranty.

15.4 Upon receipt of such notice, the supplier shall, within the period specified in SCC and with all reasonable speed, repair or replace the defective goods or parts thereof, without costs to the purchaser.

15.5 If the supplier, having been notified, fails to remedy the defect(s) within the period specified in SCC, the purchaser may proceed to take

such remedial action as may be necessary, at the supplier's risk and expense and without prejudice to any other rights which the purchaser may have against the supplier under the contract.

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| 16. Payment | <p>16.1 The method and conditions of payment to be made to the supplier under this contract shall be specified in SCC.</p> <p>16.2 The supplier shall furnish the purchaser with an invoice accompanied by a copy of the delivery note and upon fulfillment of other obligations stipulated in the contract.</p> <p>16.3 Payments shall be made promptly by the purchaser, but in no case later than thirty (30) days after submission of an invoice or claim by the supplier.</p> <p>16.4 Payment will be made in Rand unless otherwise stipulated in SCC.</p> |
| 17. Prices | <p>17.1 Prices charged by the supplier for goods delivered and services performed under the contract shall not vary from the prices quoted by the supplier in his bid, with the exception of any price adjustments authorized in SCC or in the purchaser's request for bid validity extension, as the case may be.</p> |
| 18. Contract amendments | <p>18.1 No variation in or modification of the terms of the contract shall be made except by written amendment signed by the parties concerned.</p> |
| 19. Assignment | <p>19.1 The supplier shall not assign, in whole or in part, its obligations to perform under the contract, except with the purchaser's prior written consent.</p> |
| 20. Subcontracts | <p>20.1 The supplier shall notify the purchaser in writing of all subcontracts awarded under this contracts if not already specified in the bid. Such notification, in the original bid or later, shall not relieve the supplier from any liability or obligation under the contract.</p> |
| 21. Delays in the supplier's performance | <p>21.1 Delivery of the goods and performance of services shall be made by the supplier in accordance with the time schedule prescribed by the purchaser in the contract.</p> <p>21.2 If at any time during performance of the contract, the supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the goods and performance of services, the supplier shall promptly notify the purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the supplier's notice, the purchaser shall evaluate the situation and may at his discretion extend the supplier's time for performance, with or without the imposition of penalties, in which case the extension shall be ratified by the parties by amendment of contract.</p> <p>21.3 No provision in a contract shall be deemed to prohibit the obtaining of supplies or services from a national department, provincial department, or a local authority.</p> <p>21.4 The right is reserved to procure outside of the contract small quantities or to have minor essential services executed if an emergency arises, the</p> |

supplier's point of supply is not situated at or near the place where the supplies are required, or the supplier's services are not readily available.

21.5 Except as provided under GCC Clause 25, a delay by the supplier in the performance of its delivery obligations shall render the supplier liable to the imposition of penalties, pursuant to GCC Clause 22, unless an extension of time is agreed upon pursuant to GCC Clause 21.2 without the application of penalties.

21.6 Upon any delay beyond the delivery period in the case of a supplies contract, the purchaser shall, without canceling the contract, be entitled to purchase supplies of a similar quality and up to the same quantity in substitution of the goods not supplied in conformity with the contract and to return any goods delivered later at the supplier's expense and risk, or to cancel the contract and buy such goods as may be required to complete the contract and without prejudice to his other rights, be entitled to claim damages from the supplier.

22. Penalties

22.1 Subject to GCC Clause 25, if the supplier fails to deliver any or all of the goods or to perform the services within the period(s) specified in the contract, the purchaser shall, without prejudice to its other remedies under the contract, deduct from the contract price, as a penalty, a sum calculated on the delivered price of the delayed goods or unperformed services using the current prime interest rate calculated for each day of the delay until actual delivery or performance. The purchaser may also consider termination of the contract pursuant to GCC Clause 23.

23. Termination for default

23.1 The purchaser, without prejudice to any other remedy for breach of contract, by written notice of default sent to the supplier, may terminate this contract in whole or in part:

- (a) if the supplier fails to deliver any or all of the goods within the period(s) specified in the contract, or within any extension thereof granted by the purchaser pursuant to GCC Clause 21.2;
- (b) if the Supplier fails to perform any other obligation(s) under the contract; or
- (c) if the supplier, in the judgment of the purchaser, has engaged in corrupt or fraudulent practices in competing for or in executing the contract.

23.2 In the event the purchaser terminates the contract in whole or in part, the purchaser may procure, upon such terms and in such manner as it deems appropriate, goods, works or services similar to those undelivered, and the supplier shall be liable to the purchaser for any excess costs for such similar goods, works or services. However, the supplier shall continue performance of the contract to the extent not terminated.

23.3 Where the purchaser terminates the contract in whole or in part, the purchaser may decide to impose a restriction penalty on the supplier by prohibiting such supplier from doing business with the public sector for a period not exceeding 10 years.

23.4 If a purchaser intends imposing a restriction on a supplier or any

person associated with the supplier, the supplier will be allowed a time period of not more than fourteen (14) days to provide reasons why the envisaged restriction should not be imposed. Should the supplier fail to respond within the stipulated fourteen (14) days the purchaser may regard the intended penalty as not objected against and may impose it on the supplier.

23.5 Any restriction imposed on any person by the Accounting Officer / Authority will, at the discretion of the Accounting Officer / Authority, also be applicable to any other enterprise or any partner, manager, director or other person who wholly or partly exercises or exercised or may exercise control over the enterprise of the first-mentioned person, and with which enterprise or person the first-mentioned person, is or was in the opinion of the Accounting Officer / Authority actively associated.

23.6 If a restriction is imposed, the purchaser must, within five (5) working days of such imposition, furnish the National Treasury, with the following information:

- (i) the name and address of the supplier and / or person restricted by the purchaser;
- (ii) the date of commencement of the restriction
- (iii) the period of restriction; and
- (iv) the reasons for the restriction.

These details will be loaded in the National Treasury's central database of suppliers or persons prohibited from doing business with the public sector.

23.7 If a court of law convicts a person of an offence as contemplated in sections 12 or 13 of the Prevention and Combating of Corrupt Activities Act, No. 12 of 2004, the court may also rule that such person's name be endorsed on the Register for Tender Defaulters. When a person's name has been endorsed on the Register, the person will be prohibited from doing business with the public sector for a period not less than five years and not more than 10 years. The National Treasury is empowered to determine the period of restriction and each case will be dealt with on its own merits. According to section 32 of the Act the Register must be open to the public. The Register can be perused on the National Treasury website.

24. Anti-dumping and countervailing duties and rights

24.1 When, after the date of bid, provisional payments are required, or anti-dumping or countervailing duties are imposed, or the amount of a provisional payment or anti-dumping or countervailing right is increased in respect of any dumped or subsidized import, the State is not liable for any amount so required or imposed, or for the amount of any such increase. When, after the said date, such a provisional payment is no longer required or any such anti-dumping or countervailing right is abolished, or where the amount of such provisional payment or any such right is reduced, any such favourable difference shall on demand be paid forthwith by the contractor to the State or the State may deduct such amounts from moneys (if any) which may otherwise be due to the contractor in regard to supplies or services which he delivered or rendered, or is to deliver or render in terms of the contract or any other contract or any other amount which

may be due to him

25. Force
Majeure

25.1 Notwithstanding the provisions of GCC Clauses 22 and 23, the supplier shall not be liable for forfeiture of its performance security, damages, or termination for default if and to the extent that his delay in performance or other failure to perform his obligations under the contract is the result of an event of force majeure.

25.2 If a force majeure situation arises, the supplier shall promptly notify the purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the purchaser in writing, the supplier shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the force majeure event.

26. Termination
for insolvency

26.1 The purchaser may at any time terminate the contract by giving written notice to the supplier if the supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the purchaser.

27. Settlement of
Disputes

27.1 If any dispute or difference of any kind whatsoever arises between the purchaser and the supplier in connection with or arising out of the contract, the parties shall make every effort to resolve amicably such dispute or difference by mutual consultation.

27.2 If, after thirty (30) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the purchaser or the supplier may give notice to the other party of his intention to commence with mediation. No mediation in respect of this matter may be commenced unless such notice is given to the other party.

27.3 Should it not be possible to settle a dispute by means of mediation, it may be settled in a South African court of law.

27.4 Mediation proceedings shall be conducted in accordance with the rules of procedure specified in the SCC.

27.5 Notwithstanding any reference to mediation and/or court proceedings herein,

- (a) the parties shall continue to perform their respective obligations under the contract unless they otherwise agree; and
- (b) the purchaser shall pay the supplier any monies due the supplier.

28. Limitation of
liability

28.1 Except in cases of criminal negligence or willful misconduct, and in the case of infringement pursuant to Clause 6;
(a) the supplier shall not be liable to the purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the supplier to pay penalties and/or damages to the purchaser; and

	(b) the aggregate liability of the supplier to the purchaser, whether under the contract, in tort or otherwise, shall not exceed the total contract price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment.
29. Governing language	29.1 The contract shall be written in English. All correspondence and other documents pertaining to the contract that is exchanged by the parties shall also be written in English.
30. Applicable law	30.1 The contract shall be interpreted in accordance with South African laws, unless otherwise specified in SCC.
31. Notices	31.1 Every written acceptance of a bid shall be posted to the supplier concerned by registered or certified mail and any other notice to him shall be posted by ordinary mail to the address furnished in his bid or to the address notified later by him in writing and such posting shall be deemed to be proper service of such notice 31.2 The time mentioned in the contract documents for performing any act after such aforesaid notice has been given, shall be reckoned from the date of posting of such notice.
32. Taxes and duties	32.1 A foreign supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the purchaser's country. 32.2 A local supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted goods to the purchaser. 32.3 No contract shall be concluded with any bidder whose tax matters are not in order. Prior to the award of a bid the Department must be in possession of a tax clearance certificate, submitted by the bidder. This certificate must be an original issued by the South African Revenue Services.
33. National Industrial Participation (NIP) Programme	33.1 The NIP Programme administered by the Department of Trade and Industry shall be applicable to all contracts that are subject to the NIP obligation.
34 Prohibition of Restrictive practices	34.1 In terms of section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, an agreement between, or concerted practice by, firms, or a decision by an association of firms, is prohibited if it is between parties in a horizontal relationship and if a bidder (s) is / are or a contractor(s) was / were involved in collusive bidding (or bid rigging). 34.2 If a bidder(s) or contractor(s), based on reasonable grounds or evidence obtained by the purchaser, has / have engaged in the restrictive practice referred to above, the purchaser may refer the matter to the Competition Commission for investigation and possible imposition of administrative penalties as contemplated in the Competition Act No. 89 of 1998.

- 34.3 If a bidder(s) or contractor(s), has / have been found guilty by the Competition Commission of the restrictive practice referred to above, the purchaser may, in addition and without prejudice to any other remedy provided for, invalidate the bid(s) for such item(s) offered, and / or terminate the contract in whole or part, and / or restrict the bidder(s) or contractor(s) from conducting business with the public sector for a period not exceeding ten (10) years and / or claim damages from the bidder(s) or contractor(s) concerned.

Annexure C

Bidder's Disclosure

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

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

2.2 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:

.....
.....

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

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.

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 bidder

Annexure F

Preference Points Claim Form in terms of the
Preferential Procurement Regulations 2022

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

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

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:

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

Where

Ps = Points scored for price of tender under consideration
Pt = Price of tender under consideration
Pmax = 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	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 Status Level of Contributor		
Level 1	20	
Level 2	18	
Level 3	14	
Level 4	12	
Level 5	8	
Level 6	6	
Level 7	4	
Level 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:	
	
	
	

Annexure G

Pricing Schedule for Services

SBD3.3

NAME OF BIDDER:

1. PRICING SCHEDULE/S

- 1.1** Supply and delivery of Hydrogen Generators with onboard and handheld hydrogen leak detection devices and sensors, Reverse Osmosis and Water De-Ionizer Systems, and Water Filtration Systems as per requirement in Annexure H.

All prices must be in South African rand value and must be inclusive of VAT.

- 1.1.1 Bidders are required to indicate a ceiling price based on the total estimated time for completion of all phases and including all expenses inclusive of VAT for the project. R

- 1.1.2 Any other costs not included in the above price?

*YES	NO
------	----

* If YES, please specify

1.1.3 Cost break-down of ceiling price in 1.1.1

Bidders are required to indicate the cost component/s used for determining the ceiling price as given in 1.1.1 above.

[illegible]

1.1.4 Period required for commencement of the project after acceptance of bid?

1.1.5 Are the rates quoted firm for the full period of the project?

YES	*NO
-----	-----

1.1.6 *If not firm for the full period, provide details of the basis on which adjustments will be applied for, for example consumer price index.

Annexure H

Specifications / Terms of Reference for bids

1 DESCRIPTION

Appointment of a service provider for the procurement, supply and delivery of two (2) Hydrogen Generators with onboard and handheld hydrogen leak detection devices and sensors, Reverse Osmosis and Water De-Ionizer Systems, and Water Filtration System to the South African Weather Service (SAWS), including Factory Acceptance testing, training, technical documentation of the respective systems, Maintenance and Service kits comprising of the respective filters and modules to last for a period of five (5) years, as well as training and technical support required to enable effective installation, commissioning and operation at Gough and Marion Islands.

2 INTRODUCTION

The South African Weather Service (SAWS) is a public entity of the Department of Forestry, Fisheries, and the Environment (DFFE) and derives its mandate from the South African Weather Service Act (No 8 of 2001 as amended). SAWS is listed as a Schedule 3A public entity in accordance with the Public Finance Management Act, 1999 (Act No. 1 of 1999) (PFMA).

SAWS is mandated to provide timely, reliable and accurate meteorological scientific and related services to the broader South African society. This mandate includes the delivery of both public-good and commercial services. In fulfilling this role, SAWS contributes significantly to the protection of life, and property, supports socio-economic activities across weather-sensitive sectors, and enables society to better prepare for, respond to, and adapt to weather and climate variability.

3 BACKGROUND

The Technical Service Department is the electronic engineering, scientific support, technology development and maintenance arm of SAWS. The department is responsible for the maintenance support, and continuous and improvement of integrated electronic atmospheric weather monitoring and observational systems, thereby enabling forecasters, researchers, and climatologists to issue accurate forecast and to support the collection of meteorological data.

SAWS currently use weather balloons filled with hydrogen to conduct daily upper-air soundings at various regional weather offices, which includes Gough and Marion Islands.

These weather balloons carry small instrument package, known as radiosonde, into the atmosphere through the buoyancy provided by the hydrogen. During ascent, the radiosonde measures atmospheric pressure, temperature, humidity, and wind data, and transmits the data to a ground receiving stations.

Hydrogen generators are used to replenish hydrogen gas into storage vessels (vessels under pressure) for the purpose of filling of weather balloons during upper-air sounding operations.

The hydrogen generators and water de-ioniser systems currently in use at Gough and Marion Islands have reached the end of useful life and must therefore be replaced. In addition, the implementation of a Water Filtration system has become a critical component of the Hydrogen plant, as the water feed on these islands is sourced from a dam. Accordingly, the proposed water filtration, reverse osmosis and de-ionising solution must be suitable for the island operating environment and must be capable of producing water quality that is compatible with the hydrogen generator offered. Bidders must clearly state the raw-water assumptions, feed-water limitations, consumable requirements and any water-quality parameters required to maintain the validity of the equipment warranty.

The existing hydrogen storage vessels and radiosonde ground systems do not require replacement. The certification of the two pressure vessels remains in place and valid. Accordingly, the renewal of such certification will be undertaken separately. Bidders must, however, confirm that the hydrogen generator offered is compatible with the existing certified hydrogen storage vessels and the required operating pressure range.

4 REQUIREMENT / SCOPE OF WORK

4.1 The current hydrogen generators and water de-ioniser systems at Gough and Marion Islands have reached the end of its useful life and therefore must be replaced. Bidders are hereby invited to bid for the supply of the following:

- Two (2) hydrogen generators. Each hydrogen generator must be equipped with an internal (onboard) hydrogen leak detection system with automated system shut off in the event of a hydrogen leak, as well as automatic recording in the onboard error log for diagnostic purposes.
- Two (2) water Reverse Osmosis and de-ionizing systems, including the required booster pumps.
- Two (2) water filtration system with **multi-functional flow control**, with pressure vessels and water sediment filtration solution, including a back wash option and **Auto Pump with Auto Pump Control**.
- Two (2) portable or manually operated hydrogen leak detection sensors and devices.
- Four (4), wall-mounted hydrogen gas monitoring sensors, being two (2) for each island, interfaceable with the fire detection system, together with two (2) calibration kits.

4.2 Due to the remoteness of the Gough and Marion Islands, the installation of the two (2) hydrogen generators and associated equipment will be undertaken by SAWS Technologists with the assistance of the Department of Public Works. The bidder must provide the necessary installation manuals, drawings, commissioning checklists, remote technical support and warranty confirmation to ensure that installation by trained SAWS Technologists does not invalidate the OEM warranty, provided that installation is undertaken in accordance with OEM requirements.

4.3 Delivery address

All equipment, properly packaged for transportation by ship, inclusive of labelling, supplied by the bidder in terms of this bid must be delivered, for the attention of the South African Weather Service, to the following address:

Department of Forestry, Fisheries & the Environment
220 East Pier Road
V & A Waterfront
Cape Town
8000
South Africa

4.4 Training

Training must be provided to a maximum of three (3) SAWS technologist who will perform the installation, maintenance and servicing of the hydrogen generators and associated equipment at Gough and Marion Islands. The cost of such training must be included in the total bid price. Training must be provided by the bidder in South Africa, either at the premises of the Original Equipment Manufacturer (OEM) (if local), where the OEM is locally based, or at the premises of the OEM 's authorised local agent within South Africa.

To ensure compliance, the supplier shall provide comprehensive training covering the safe operation, maintenance, and regulatory requirements associated with the hydrogen generator system and related hydrogen storage vessels under pressure. The training shall, as a minimum, address:

- Safe operation of the hydrogen generator, including start-up, shutdown, fault identification, and emergency procedures.
- Hydrogen safety awareness, including hydrogen properties, flammability limits, leak hazards, ventilation requirements, ignition source control, and emergency response actions.
- Safe handling, storage, inspection, and operation of pressurized hydrogen storage vessels and associated piping systems.
- Training on hydrogen leak detection systems, gas monitoring sensors, emergency shutdown systems, and incident response procedures.
- Regulatory and standards compliance requirements applicable to hydrogen generation and storage systems, including ISO 22734, ISO/TS 15916, SANS 347 (Pressure Equipment Regulations), and SANS 10263-2.
- Routine maintenance requirements, inspection practices, and safety precautions for both the hydrogen generator and vessels under pressure.
- Provision of operator, maintenance, technical, and safety manuals to support ongoing competency and compliance.

The supplier must provide the following training:

- **Operator, Maintenance and Technical Training:** Three (3) sets of manuals must be provided, with one (1) set accompanying each hydrogen generator and one (1) set provided to the Cape Town Weather Office. These manuals must cover the installation, maintenance and servicing of the hydrogen generators and associated equipment
- **Hydrogen Safety Awareness:** Three (3) sets of safety signage and labels must accompany each hydrogen generator for display around each installation. This training must cover:
 - Properties of hydrogen, including flammability, invisibility of flame, explosive limits, etc.
 - Risks associated with hydrogen leaks, including static electricity and ignition sources
 - Ventilation requirements.
- **Hazard Identification & Risk Control.** This training must include:
 - Understanding hazard zones around the generator.
 - Reading warning signs and safety labels.
 - Safe distances and restricted areas.
 - Control measures and hierarchy of controls.
- **Emergency response procedure training.** A safety manual must be provided, and training must include:
 - Hydrogen leak detection and response.
 - Fire response procedures, including Class B/C fires
 - Evacuation procedures; and
 - Use of emergency shutdown systems
- **Personal Protective Equipment (PPE) Training:** This training must include guidance on the correct selection and use of PPE.

Training should consider the following applicable standards and guidelines:

- **ISO 22734**, relating to the International Electrolyser Safety and Performance Standards for Hydrogen Generators using water for hydrogen gas production.
- **ISO/TS 15916**, relating to Hydrogen Safety Guidelines
- **SANS 347**, including the Pressure Equipment Regulations (PER), of 2009, for the categorization and conformance assessment for all pressure equipment.
- **SANS 10263-2:2008**, relating to the Hydrogen gas storage and handling.

4.5 Maintenance Components

Bidders must provide, together with the hydrogen generators, water de-ionizer systems, and build-in as well as manually operated leak detection systems, all maintenance and servicing components which will be required for the maintenance and servicing of the overall Marion and Gough Island hydrogen generator plants for a period of sixty (60) months. The cost of these maintenance and servicing components must be included in the total bid price.

Bidders must also provide:

- **Recommended Spare Parts List (RSPL)**, as prescribed by the OEM Maintenance and Service manuals, to support the continued operation and prolong the lifespan of the hydrogen plant, pertaining to MTBF and MTTR aspects, regarding the following:
- **For consumables:** the Bidder must recommend the number of spare parts sufficient for a period of five (5) years for the hydrogen generators, water de-ionizer systems, and build-in as well as manually operated leak detection Components. Items like carbon filters and RO membranes etc.
- **For repairable System Components** (or modules of System Components, if applicable), the bidder must recommend the number of spares based on mean time to repair (MTTR) and the mean time between failure (MTBF) for that specific System Component. This includes items such as Combustible Gas Sensor, System and Product pressure transducers and Cell Stack etc.
- **For modules that can only be replaced in case of malfunctioning**, the bidder must recommend the number of spares needed based on the lifetime of the System and on the MTBF as provided in the OEM Maintenance and Service manuals. Items like dedicated Power Supplies, Oxygen phase separator, Hydrogen / Water Phase Separator and Hydrogen Dryer etc.
- The bidder must provide a SA suppliers list of the RSPL required.

4.6 Factory Acceptance Test and sign off

SAWS require that the hydrogen generators Factory Acceptance Test (FAT) be conducted prior to delivery, ensuring compliance to the specified technical requirements listed in the table below. The FAT must be conducted in the presence of a SAWS Technologist(s) at the premises of the OEM (if local) or at the premises of the local agent of the OEM within South Africa.

The on-site FAT must include the training for the three (3) SAWS Technologists as indicated in section 4.4

#	Technical requirement	
1	Hydrogen generator	Hydrogen generator for meteorological use
2	Minimum Hydrogen flow rate <i>Note that the generator must be able to produce at least 0.5Nm3/hour under all specified operating conditions, whilst its typical operating capacity should be approximately 1.05 Nm3/hour, providing</i>	At least 0.5 Nm3/hr (20 SCF/hr) Nominal (1.05 Nm3/hr)

	<i>more than double the minimum required output</i>	
3	Minimum Hydrogen Purity	At least 99.9% pure hydrogen
4	Type of generator	Polymer electrolyte membrane (PEM) in the electrolysis of water - Caustic-Free. The chemical splitting of water into hydrogen and oxygen through the addition of an added chemical is not acceptable.
5	Generator Delivery Pressure – Nominal	200psi, with configurable min/max storage capacity between 45 and 105psi respectively, controlled with onboard PLC or control board.
6	Turndown Range	0 to 100% Net Product Delivery (valve control as per point 5 above)
7	Power Consumed/Volume of Hydrogen Gas Produced (Est at EOL)	8.3 kWh/Nm ³ approximated
8	Power supply	220V to 240 VAC, single phase, 50 or 60 Hz.
9	Higher technical maintenance (hands on practical required during training of SAWS Technologists)	As-build record, operating manuals, installation manuals, maintenance and service manuals
10	Operation maintenance	Leak detection test (both the automatic leak detection and handheld leak detection) system shall be required as per maintenance and service manuals.
11	National and International standards to be met during FAT	The respective South African National Standards (SANS) and International Standards for the production and storage of the hydrogen gas, but not limited to: • ISO 22734 in relation to the International Electrolyser Safety and Performance Standards for Hydrogen Generators using water for hydrogen gas production. • ISO/TS 15916 for Hydrogen Safety Guidelines • SANS 347 (inclusive of the Pressure Equipment Regulations, PER of 2009) for the categorization and conformance assessment for all pressure equipment. • SANS 10263-2:2008 for Hydrogen gas

		storage and handling.
12	Compliance with Occupational Health and Safety (OHS) Act, 85 of 1993.	• Pressure Equipment Regulations (PER) 2009 • Hazardous Chemical Regulation, 2021 • General Machinery Regulations (GMR), 1988

The hydrogen generator and associated systems shall comply with the SANS governing the production, handling and storage of the hydrogen gas, as published and maintained by the South African Bureau of Standards (SABS). Bidders shall therefore ensure safety, quality, and conformance-assessments accordingly. Bidder shall provide Material Safety Data Sheet on delivery of the Hydrogen Generator.

4.7 **Conformance with SANS 347, Pressure Equipment Regulations (PER,2009), Hazardous Chemical Agents Regulations, 2021 and General Machinery Regulations (GMR), 1988**

The hydrogen generators must conform to the SANS 347 (South African National Standard 347 - Categorization and conformity assessment criteria for all pressure equipment) and the Pressure Equipment Regulations (PER), 2009.

- ISO 22734 in relation to the International Electrolyser Safety and Performance Standards for Hydrogen Generators using water for hydrogen gas production.
- ISO/TS 15916 for Hydrogen Safety Guidelines
- SANS 347 (inclusive of the Pressure Equipment Regulations, PER of 2009) for the categorization and conformance assessment for all pressure equipment.
- SANS 10263-2:2008 for Hydrogen gas storage and handling.

4.8 **Technical Specifications for:**

Item 1: Hydrogen generator (4.8.1)

Item 2: Reverse Osmosis and Water de-ionizer system, including booster pump (4.8.2)

Item 3: Water Filtration System (4.8.3)

Item 4: Hydrogen leak detection sensors and devices (4.8.4)

4.8.1 Item 1: Hydrogen Generator

#	Description	Specification
A	Hydrogen generator	Hydrogen generator for meteorological use
B	Flow rate <i>Note that the generator must be able to produce at least 0.5Nm³/hour under all specified operating conditions, whilst its typical operating capacity should be</i>	At least 0.5 Nm ³ /hr (20 SCF/hr) Nominal (1.05 Nm ³ /hr)

	<i>approximately 1.05 Nm³/hour, providing more than double the minimum required output.</i>	
C	Hydrogen purity	At least 99.9% pure hydrogen
D	Type of hydrogen generator	Polymer electrolyte membrane (PEM) in the electrolysis of water, be sealed, tested and be able to operate 24/7 without interruption of service. The chemical splitting of water into hydrogen and oxygen through the addition of an added chemical is not acceptable.
E	Environmental requirements	Operating environment: Indoors The system must not produce byproducts that are harmful to the environment.
F	Electrical Specification	220 V to 240 VAC, single-phase, 50 or 60 Hz.
G	Communication	RS-232, USB, Ethernet or equivalent (Wi-Fi).
H	Standard operating and safety features	Auto starts when the pressure in the hydrogen storage tank is low and auto shut off when the desired pressure in the tank is reached. 200psi, Generator Delivery Pressure (Nominal), with configurable min/max storage capacity between 45 and 105psi respectively, controlled with onboard PLC or control board. The system must be of a design of separating the Liquid and Hydrogen Bay from the Electrical Bay employing the NFPA 496 standard. Automatic fault detection with auto shut off. All Errors/Warnings to be written to an onboard log file for diagnostic purposes The system must be equipped with automatic continuous monitoring leak detection; Error-Log population functionality. Electrical surge protection over voltage spikes protection. The system must have an emergency stop switch. The system must have a System Pressure and Product Pressure LCD type display

4.8.2 Item 2: Reverse Osmosis and Water de-ionizer system, including booster pump

#	Description	Specification
A	Automation and compatibility	Fully Automated and Compatible with the provided Hydrogen generator. The system should be capable of operation on water feed that contains LESS than 1,000 PPM (parts per million) of TDS (total dissolved solids).
B	Water purification and de-ionization	Capable of producing purified and de-ionized water from natural water sources which may include Reverse Osmosis and De-ionizing techniques. A purity monitor should be included for continuous readout of the purified water quality on an LCD display
C	Flow rate	Minimum of 2 liters per minute
D	Environmental requirements	Indoors installation
E	Electrical Specification	220 V to 240 VAC, single-phase, 50 or 60 Hz to 12 VDC
F	Booster pump	A suitable DC pump(s) should be used to assist in the Reverse Osmosis and de-ionized processes.
G	Complete set of filters and maintenance modules for 5 years. 4 x Yearly Maintenance Kits, 2 x Two-Yearly Maintenance Kits 1 x Five-Yearly Maintenance Kits	Complete set of filters and maintenance modules for Marion and Gough Islands to last for the next five (5) years. Inclusive of 10" 2-Micron Activated Carbon Prefilter Cartridge (depending on the type of Water de-ionizer system) Inclusive of High-Capacity Type II DI Module (depending on the type of Water de-ionizer system) Inclusive of RO Replacement Cartridge (depending on the type of Water de-ionizer system) 4 x Yearly Maintenance Kits 2 x Two-Yearly Maintenance Kits + 2 x Booster Pumps 1 x Five-Yearly Maintenance Kits

The Water Treatment Solution below is intended to support the functioning of the over-all Hydrogen Generator Plant. It is not intended to be part of the FAT.

4.8.3 Item 3: Water Filtration System

#	Description	Specification
1	Multi-functional flow control valve for water treatment system with vessel and water sediment solution, with back wash option	Water Treatment Solution to feed the Deionizing system and in turn the Hydrogen Generator with a continuous flow of clean water
2	Inlet/outlet	2" M
3	Drain	2" M

4	Base	4"-8UN
5	Riser pipe	1.5 " D-GB
6	Water treatment capacity	10m ³ /h
7	Tank diameter range	16"~24"
8	Water pressure	0.15MPa~0.6MPa
9	Water temperature	5°C~50°C
10	Water turbidity	<20FTU
11	Operating temperature	5°C~50°C
12	Relative humidity	≤95% (25°C)
13	Power adapter	Input AC100~240V/50~60Hz Output DC 24V/1.5A
14	Sediment Vessel (Resin Tank)	13"DIAMETER 54"HEIGHT (1354)
15	Sediment Vessel Parts are multiplied by 5 each and should last for the next 5 to 10 years	Vessel with Base O-Ring; Riser Pipe O-Ring, Top Strainer, Riser Pipe and Bottom Strainer
16	Sediment media – 3 x 25kg bags per fill; requires 12 bags	Dryden Aqua Activated Glass Filter Media (AFM) – Grade 0
17	Auto Pump with Auto Pump Control	PB Series Auto Pump 03M or equivalent
	Auto Pump Specifications:	Power range: 0.37kW & 0.75kW Motor Speed: 2900 rpm Direction of rotation: Clockwise viewed from driving end Degree of protection: IP 54 Class of insulation: B Suction and delivery size in mm: 25 x 25
	Pump Specification:	Rust-free Stainless-steel inserts prevent impeller block when starting after the pump is unused for long time Brass impeller with evenly arranged radial vanes Max. liquid temperature: 35°C or 60°C Max. Suction: +8m Cast iron pump body and support
	Motor Specification:	Motor with copper winding Shaft: Stainless steel 410 Protection class: IP54 Max. Ambient temperature: +40°C Cooling: External ventilation

4.8.4 Item 4: Hydrogen leak detection sensors and devices

#	Description	Specification
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A	Hydrogen leak detection sensors/monitors -interfaceable to an office type fire detection system	- Four (4), two for each island wall or ceiling-mount hydrogen gas monitor sensors interfaceable to an office type fire detection system; and two (2) calibration kits - The sensors should be active sensors for real-time monitoring - for indoor fixed installation near ceilings, at the apex of rooflines, or near potential leak sources - Sensors should be capable of detecting concentrations of ≤ 4.0 Lower Explosive Limit (LEL) / Lower Flammable Limit (LFL) (in % vol) - Sensor should sound an alarm when concentration levels are reached
B	Portable Hydrogen leak detection device durable and robust gas detection for environmental safety and spot checks.	- One (1) Detection Points - LCD Display - Should be Intrinsically Safe - Catalytic Bead Detection Principle - Product Type - Gas Detectors - Product Use - Portable - Detection Range - %LEL (0 to 100%) - Should have Event Log Storage - Should be Battery operated - Alarms Audible & Visual - Operation Temperature (-20°C to 50°C) - Ingress Protection IP67

5 EVALUATION PROCESS

5.1 Administrative Compliance requirements

Bids received will be verified for completeness and correctness. SAWS reserves the right to accept or reject a bid based on the completeness and correctness of the documentation and information provided.

Bidders are to ensure that they submit the following documentation / information with their bid.

Document	Comments
Proof of registration on the Central Supplier Database (CSD) of National Treasury	Bidders must be registered on the CSD. CSD registration number must be provided.
Bid Invitation (Annexure A)	Completed and signed

SBD 3.3 (Pricing Schedule)	Completed
SBD 4 (Bidder's Declaration)	Completed and signed
SBD 6.1 (Preference Points Claim Form)	Completed and signed if points are claimed <i>(A valid B-BBEE certificate, sworn affidavit, or relevant supporting documentation will be used to claim specific goals.)</i>
SARS (South African Revenue Service) Tax Compliant	Bidders tax matters must be in order
National Industrial Participation Programme	Completed and signed
BBBEE Certificate	A valid B-BBEE certificate, sworn affidavit, or relevant supporting documentation will be used to claim specific goals.

5.2 Mandatory Requirements

5.2.1 Section 1:

The following requirements which are mandatory must be complied with by the bidder. Please note that bidders will not be evaluated further if they do not provide evidence confirming compliance with any of the specified mandatory requirements.

	Mandatory requirement	Evidence to be submitted with bid
1	Attendance of compulsory briefing session	Bidder must attend the compulsory briefing session on the date and time as indicated on the cover page of the bid document.
2	The hydrogen generators must conform to the SANS 347 (South African National Standard 347 - Categorization and conformity assessment criteria for all pressure equipment) and the Pressure Equipment Regulations (PER), 2009	Written confirmation by bidder on letterhead that the hydrogen generators offered to SAWS conform to the SANS 347 (South African National Standard 347 - Categorization and conformity assessment criteria for all pressure equipment) and the Pressure Equipment Regulations (PER), 2009
3	Training: OEM training must be provided to a maximum of three (3) SAWS technologists to perform the installation, maintenance and servicing of	Written confirmation by bidder on letterhead that OEM training will be provided to a maximum of three (3) SAWS technologists to perform the installation, maintenance and servicing of the equipment and that training

	the equipment. Training certificates must be provided to the SAWS technologists who received the training.	certificates will be provided to the SAWS technologists who received training.
4	Factory Acceptance Test (FAT): The Factory Acceptance Test (FAT) must be conducted in the presence of a SAWS Technician at the premises of the OEM (if local) or at the premises of the local agent of the OEM within South Africa	Written confirmation by bidder on letterhead that the Factory Acceptance Test (FAT) will be conducted in the presence of a SAWS Technician at the premises of the OEM (if local) or at the premises of the local agent of the OEM within South Africa
5	Local footprint in South Africa for the hydrogen generator. The OEM must have a local footprint in South Africa.	Bidder to provide the details of the OEM in South Africa OR the details of the local OEM Agent in South Africa for the hydrogen generator offered to SAWS in terms of this bid. Details that must be provided: - Company name - Physical Address - Contact number - Contact Person
6	Technical Specification sheet of Hydrogen generator of the system offered to SAWS in terms of this bid.	Bidder to submit with their bid the technical specification sheet of the hydrogen generators
7	Technical Specification sheet of with onboard hydrogen leak detection system offered to SAWS in terms of this bid.	Bidder to submit with their bid the technical specification sheet of the onboard hydrogen leak detection
8	Technical Specification sheet of Reverse Osmosis and de-ionizing systems with booster pumps offered to SAWS in terms of this bid.	Bidder to submit with their bid the technical specification sheet of the Reverse Osmosis and de-ionizing systems with booster pumps
9	Technical Specification sheet of water filtration system with multi-functional flow control with vessel and water sediment solution, with back wash option and Auto Pump with Auto Pump Control offered to SAWS in terms of this bid.	Bidder to submit with their bid the technical specification sheet of the water filtration system with multi-functional flow control with vessel and water sediment solution, with back wash option and Auto Pump with Auto Pump Control

10	Technical Specification sheets of Four (4), two for each island wall-mount hydrogen gas monitor sensors interfaceable to the fire detection system and two (2) calibration kits offered to SAWS in terms of this bid.	Bidder to submit with their bid the technical specification sheets of the Four (4), two for each island wall-mount hydrogen gas monitor sensors interfaceable to the fire detection system and two (2) calibration kits
11	Technical specification sheet of the portable (handheld) hydrogen gas leak detection devices offered to SAWS in terms of this bid.	Bidder to submit with their bid the technical specification sheet of the portable (handheld) hydrogen gas leak detection devices.

Bidders who comply with Section 1 of the mandatory requirements will be further evaluated on Section 2 of the mandatory requirements.

5.2.2 Section 2

Item 1: Hydrogen Generator

#	Description	Specification
A	Hydrogen generator	Hydrogen generator for meteorological use
B	Flow rate <i>Note that the generator must be able to produce at least 0.5Nm³/hour under all specified operating conditions, whilst its typical operating capacity should be approximately 1.05 Nm³/hour, providing more than double the minimum required output.</i>	At least 0.5 Nm ³ /hr (20 SCF/hr) Nominal (1.05 Nm ³ /hr)
C	Hydrogen purity	At least 99.9% pure hydrogen
D	Type of hydrogen generator	Polymer electrolyte membrane (PEM) in the electrolysis of water, be sealed, tested and be able to operate 24/7 without interruption of service. The chemical splitting of water into hydrogen and oxygen through the addition of an added chemical is not acceptable.
E	Environmental requirements	Operating environment: Indoors The system must not produce byproducts that are harmful to the environment.
F	Electrical Specification	220 V to 240 VAC, single-phase, 50 or 60 Hz.
G	Communication	RS-232, USB, Ethernet or equivalent (Wi-Fi).

H	Standard operating and safety features	Auto starts when the pressure in the hydrogen storage tank is low and auto shut off when the desired pressure in the tank is reached. 200psi, Generator Delivery Pressure (Nominal), with configurable min/max storage capacity between 45 and 105psi respectively, controlled with onboard PLC or control board.
		The system must be of a design of separating the Liquid and Hydrogen Bay from the Electrical Bay employing the NFPA 496 standard.
		Automatic fault detection with auto shut off. All Errors/Warnings to be written to an onboard log file for diagnostic purposes
		The system must be equipped with automatic continuous monitoring leak detection; Error-Log population functionality.
		Electrical surge protection over voltage spikes protection.
		The system must have an emergency stop switch.
		The system must have a System Pressure and Product Pressure LCD type display

Item 2: Reverse Osmosis and Water de-ionizer system, including booster pump

#	Description	Specification
A	Automation and compatibility	Fully Automated and Compatible with the provided Hydrogen generator. The system should be capable of operation on water feed that contains LESS than 1,000 PPM (parts per million) of TDS (total dissolved solids).
B	Water purification and de-ionization	Capable of producing purified and de-ionized water from natural water sources which may include Reverse Osmosis and De-ionizing techniques. A purity monitor should be included for continuous readout of the purified water quality on an LCD display
C	Flow rate	Minimum of 2 liters per minute
D	Environmental requirements	Indoors installation
E	Electrical Specification	220 V to 240 VAC, single-phase, 50 or 60 Hz to 12 VDC

F	Booster pump	A suitable DC pump(s) should be used to assist in the Reverse Osmosis and de-ionized processes.
G	Complete set of filters and maintenance modules for 5 years. 4 x Yearly Maintenance Kits, 2 x Two-Yearly Maintenance Kits 1 x Five-Yearly Maintenance Kits	Complete set of filters and maintenance modules for Marion and Gough Islands to last for the next five (5) years. Inclusive of 10" 2-Micron Activated Carbon Prefilter Cartridge (depending on the type of Water de-ionizer system) Inclusive of High-Capacity Type II DI Module (depending on the type of Water de-ionizer system) Inclusive of RO Replacement Cartridge (depending on the type of Water de-ionizer system) 4 x Yearly Maintenance Kits 2 x Two-Yearly Maintenance Kits + 2 x Boater Pumps 1 x Five-Yearly Maintenance Kits

Item 3: Water Filtration System

#	Description	Specification
1	Multi-functional flow control valve for water treatment system with vessel and water sediment solution, with back wash option	Water Treatment Solution to feed the Deionizing system and in turn the Hydrogen Generator with a continuous flow of clean water
2	Inlet/outlet	2" M
3	Drain	2" M
4	Base	4"-8UN
5	Riser pipe	1.5 " D-GB
6	Water treatment capacity	10m ³ /h
7	Tank diameter range	16"~24"
8	Water pressure	0.15MPa~0.6MPa
9	Water temperature	5°C~50°C
10	Water turbidity	<20FTU
11	Operating temperature	5°C~50°C
12	Relative humidity	≤95% (25°C)
13	Power adapter	Input AC100~240V/50~60Hz Output DC 24V/1.5A
14	Sediment Vessel (Resin Tank)	13"DIAMETER 54"HEIGHT (1354)
15	Sediment Vessel Parts are multiplied by 5	Vessel with Base O-Ring; Riser Pipe O-Ring, Top

	each and should last for the next 5 to 10 years	Strainer, Riser Pipe and Bottom Strainer
16	Sediment media – 3 x 25kg bags per fill; requires 12 bags	Dryden Aqua Activated Glass Filter Media (AFM) – Grade 0
17	Auto Pump with Auto Pump Control	PB Series Auto Pump 03M or equivalent
	Auto Pump Specifications:	Power range: 0.37kW & 0.75kW Motor Speed: 2900 rpm Direction of rotation: Clockwise viewed from driving end Degree of protection: IP 54 Class of insulation: B Suction and delivery size in mm: 25 x 25
	Pump Specification:	Rust-free Stainless-steel inserts prevent impeller block when starting after the pump is unused for long time Brass impeller with evenly arranged radial vanes Max. liquid temperature: 35°C or 60°C Max. Suction: +8m Cast iron pump body and support
	Motor Specification:	Motor with copper winding Shaft: Stainless steel 410 Protection class: IP54 Max. Ambient temperature: +40°C Cooling: External ventilation

Item 4: Hydrogen leak detection sensors and devices

#	Description	Specification
A	Hydrogen leak detection sensors/monitors -interfaceable to an office type fire detection system	- Four (4), two for each island wall or ceiling-mount hydrogen gas monitor sensors interfaceable to an office type fire detection system; and two (2) calibration kits - The sensors should be active sensors for real-time monitoring - for indoor fixed installation near ceilings, at the apex of rooflines, or near potential leak sources - Sensors should be capable of detecting concentrations of ≤ 4.0 Lower Explosive Limit (LEL) / Lower Flammable Limit (LFL) (in % vol) - Sensor should sound an alarm when concentration levels are reached
B	Portable Hydrogen leak detection device durable and robust gas detection for environmental safety	- One (1) Detection Points - LCD Display - Should be Intrinsically Safe

	and spot checks.	• Catalytic Bead Detection Principle • Product Type - Gas Detectors • Product Use - Portable • Detection Range - %LEL (0 to 100%) • Should have Event Log Storage • Should be Battery operated • Alarms Audible & Visual • Operation Temperature (-20°C to 50°C) • Ingress Protection IP67
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Bidders who comply with the mandatory requirements for Section 1 and 2 will be further evaluated on functional evaluation.

5.3 Functional evaluation

Functional evaluation of the bid will be done in terms of the criteria as stated in the table below. Bidders should take note of the Criterion, Weighting & Scoring when responding to this bid.

Criterion - Technical Evaluation	Weight	Score
Years of experience of the bidder in hydrogen generators. Bidder to indicate the number of years of experience of the bidder in the supply of hydrogen generators. (Number of years can be on company profile or letterhead of the bidder.)	25	0 = Not provided or less than 2 years. 10 = 2 years' experience 15 = 3 years' experience 20 = 4 years' experience 25 = 5 or more years of experience.
Project Plan Bidder to provide a project plan with timeframes. The project plan must include the following: 1) Timeframe from the date of award of the bid until project completion (delivery). 2) Factory Acceptance Test 3) Training 4) Delivery	50	0 = Project plan not provided or project plan provided not meeting all requirements or project plan provided with a project timeframe of more than 14 weeks 30 = Project plan provided meeting all requirements with a project timeframe of more than 10 weeks up to 14 weeks. 40 = Project plan provided meeting all requirements with a project timeframe of 8 to 10 weeks. 50 = Project plan provided meeting all

		requirements with a project timeframe of less than 8 weeks.
Reference Letters Bidder to provide reference letters for hydrogen generators supplied by the bidder. Each reference letter must include the following: • Reference letter must be on the letterhead of the client of the bidder. • Include a contact person and contact number. • Brief description of the hydrogen generator supplied by the bidder. • Reference letter must be signed by the client of the bidder.	25	0 = No reference letter provided / Incomplete reference letter provided 10 = One reference letter provided. 20 = Two reference letters provided. 25 = Three or more reference letters provided.
Total score	100	

Bidders who score 70% and more will qualify for further evaluation in terms of Price and Specific Goals.

5.4 PRICE AND SPECIFIC GOALS EVALUATION

Bidders who comply with the requirements of this bid will be evaluated according to the preference point scoring system as determined in the Preferential Procurement Regulations, 2022 pertaining to the Preferential Procurement Policy Framework Act, Act No 5 of 2000.

The following preference point systems are applicable to all bids:

- 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).

The value of this bid is estimated NOT to exceed R50 000 000 (all applicable taxes included) and therefore the 80/20 preference point system shall be applicable.

Points for this bid shall be awarded for:

- (a) Price; and
- (b) Specific Goals (Refer to Annexure F: Preference Points Claim Form).

The maximum points for this bid are allocated as follows:

	POINTS
PRICE	80
SPECIFIC GOALS (Refer to Annexure F: Preference Points Claim Form) <i>(A valid B-BBEE certificate, sworn affidavit, or relevant supporting documentation will be used to claim specific goals.) Also refer to section 5.1 of Annexure H</i>	20
Total points for Price and Specific Goals	100

Subject to section 2(1)(f) of the Preferential Procurement Policy Framework Act, 2000 (Act no 5 of 2000), the tender will be awarded to the tenderer scoring the highest points.

6 DUE DILIGENCE

For further details regarding Due Diligence, please refer to Annexure A, Section 1.22, of the bidding document. The award of this bid will be determined by the Due Diligence outcome.

7 SPECIAL CONDITIONS OF CONTRACT

This bid and all contract emanating there from will be subject to the General Conditions of Contract (GCC) issued in accordance with Chapter 16A of the Treasury Regulations published in terms of the Public Finance Management Act, 1999 (Act 1 of 1999). The Special Conditions are supplement to that of the General Conditions of Contract. Where, however the Special Conditions of Contract are in conflict with the General Conditions of Contract, the Special Conditions of the Contract prevail.

7.1 Delivery

All equipment provided by the bidder in terms of this bid must be delivered for the attention of the South African Weather Service at the following address:

Department of Forestry, Fisheries & the Environment
 220 East Pier Road
 V & A Waterfront
 Cape Town
 8000

South Africa

Annexure I

POPIA : Supplier Notice and Consent Form

POPIA: SUPPLIER NOTICE AND CONSENT FORM

I confirm that I am duly authorised to sign this consent form.

Name (Print)

Capacity

Signature

Name of Firm

Date

(Hereinafter referred to as “the **Data Subject** “)

A company/organization duly incorporated under the laws of Republic of South Africa, having its
main place of business

At, with

registration number:.....

POPIA: SUPPLIER NOTICE AND CONSENT FORM

Preparatory Statement

Whereas the “**Data Subject**” is in agreement with the contents of this Notice and Consent Form and grants SAWS permission to process certain confidential/personal information, for purposes of

whereas the “**Data Subject**” is considering making an offer (the “**Offer**”) to SAWS on a solicited Bid/Tender/RFQ/RFP/RFI, subject to conducting due diligence, as a result of which certain confidential/personal information of the Data Subject may be disclosed to SAWS.

The Data Subject hereby gives consent to the following:

1. Purposes

SAWS will process, including collect, your personal information (as set out in point 2 below) for the following purposes:

- a) strategic sourcing;
- b) procurement;
- c) contract management;
- d) supplier management;
- e) invoice management;
- f) payments;
- g) debt recovery;
- h) fraud prevention; and
- i) supplier discovery.

The provision of personal information is voluntary. However, if you do not provide your personal information, we may not be able to perform the above-mentioned purpose/s.

2. Legal basis for the processing

We process your personal information on the basis that (i) processing information is necessary for pursuing our legitimate interests (according to section 11(1) of the Protection of Personal Information Act, No. 4 of 2013 (“POPIA”)), which lies in achieving the purposes as set out in point 1 above, (ii) processing is necessary to carry out actions for the conclusion or performance of “supply chain management functions” for which you are party (according to section 11(1)(b) of POPIA), or (iii) processing complies with an obligation imposed by law on us (according to section 11(1)(c) of POPIA).

We process the following personal information (for specific natural or juristic person and can be used to identify you or that person):

POPIA: SUPPLIER NOTICE AND CONSENT FORM

- a) Master data
 - Name
 - Addresses
 - Contact numbers
 - Email address
 - Other contact details of the supplier
 - Supplier primary contact person's name and contact information
 - Job position and role / qualifications
 - Partner roles of the suppliers needed for invoicing and ordering
 - Identification / company registration number
 - BBBEE status
 - Central Supplier Database number
- b) Accounting and payment information
 - VAT & Income tax numbers
 - Tax clearance pin
 - Bank details
 - Bank account type and number
 - Name of the account holder
 - Attachment of confirmation documents
 - Terms of payment
 - Accounting correspondence
- c) Supplier classification
 - Category
 - Vendor portfolio
 - Product categories
 - Main product category
 - Additional product categories
 - Vendor category.
- d) Declared conflict or potential conflict of interest
- e) Information on goods and/or services offered by supplier
 - quantity and quality of offered goods and/or services
 - other commercial terms of the offer
- f) Contract information
 - commercial terms of the contract
 - legal terms of the contract
 - any other contractual documentation
 - information about contract performance and instances of non-performance

POPIA: SUPPLIER NOTICE AND CONSENT FORM

3. Retention periods

Your personal information will only be kept for as long as we reasonably consider necessary for achieving the purposes set out in point 1 above and as is permissible under applicable laws. We will, in any case, retain your personal information for as long as there are statutory retention obligations or potential legal claims are not yet time barred.

4. Law enforcement

We may disclose personal information if required:

- by a subpoena or court order;
- to comply with any law;
- to protect the safety of any individual or the public; and
- to prevent violation of our supplier relation terms.

5. Regulators

We may disclose your personal information as required by law or governmental audit.

6. Sharing

We may share your personal information with:

- other divisions or public entities within the South African Government as the South African Weather Service (SAWS) is a Section 3(a) public entity under the Ministry of Environmental Affairs and is governed by a Board, so as to provide joint content and services like registration, for transactions and customer support, to help detect and prevent potentially illegal acts and violations of our policies, and to guide decisions about our products, services;
- an affiliate, in which case we will seek to require the affiliates to honor this privacy notice;
- our goods or services providers under contract who help provide certain goods or services or help with parts of our business operations, including fraud prevention, bill collection, marketing, technology services (our contracts dictate that these goods or services providers only use your information in connection with the goods or services they supply or services they perform for the SAWS and not for their own benefit);
- credit bureaus to report account information, as permitted by law;
- banking partners as required by credit card association rules for inclusion on their list of terminated merchants (in the event that you utilize the services to receive payments and you meet their criteria); and
- other third parties who provide us with relevant services, where appropriate.

7. Suppliers rights

Under applicable law, you have, among others, the rights (under the conditions set out in applicable law):

- (i) to check whether and what kind of personal data we hold about you and to request access to and the right to rectify the information collected
- (ii) in certain circumstances, to object to the processing of personal information, in the prescribed manner, on reasonable grounds relating to your particular situation, unless legislation provides for such processing or to object for the purposes of direct marketing; or

POPIA: SUPPLIER NOTICE AND CONSENT FORM

- (iii) to lodge a complaint with the Information Regulator if they believe that their personal information was not used to the intended purpose. The address of the Information Regulator is Woodmead North Office Park, 54 Maxwell Drive, Woodmead, Johannesburg, 2191.
- (iv) Supplier may withdraw his, her, its Consent so long as they provide SAWS with a “withdrawal of consent notice”, through the Information Officer.
- (v) Supplier may request for correction or deletion of personal information or destruction or deletion of record of personal information.

8. Your obligations

You may only send us your own personal information or the information of another data subject where you have their permission to do so.

9. Security

We take the security of personal information very seriously and always do our best to comply with applicable data protection laws. Our website is hosted in a secure server environment that uses a firewall and other advanced security measures to prevent interference or access from outside intruders. We authorize access to personal information only for those employees who require it to fulfil their job responsibilities. We implement disaster recovery procedures where appropriate.

10. Data Storage

We will try to keep the personal information we collect as accurate, complete, and up to date as is necessary for the purposes defined in this notice. Please note that to better protect you and safeguard your personal information, please inform us of any required corrections to your personal information.

11. Limitation

We are not responsible for, give no warranties, nor make any representations in respect of the privacy policies/notices or practices of any third parties.

12 Enquiries

If you have any questions or concerns arising from this notice and consent form or the way in which we handle personal information, please contact the South African Weather Service Deputy Information Officer:

HEAD OFFICE
1263 Heuwel Road
Centurion
0157
+27 12 367 6000
Email for Head Office: CRS@weathersa.co.za