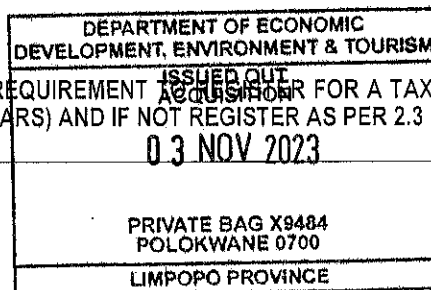


PART A INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE (NAME OF DEPARTMENT/PUBLIC ENTITY)					
BID NUMBER:	EDET 287/2023	CLOSING DATE:	17 NOVEMBER 2023	CLOSING TIME:	11:00
DESCRIPTION	RE-ADVERTISEMENT: APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY, INSTALLATION, COMMISSIONING, OPERATION AND MAINTENANCE OF CONTINUOUS AMBIENT AIR QUALITY MONITORING STATIONS IN CAPRICORN, VHEMBE AND WATERBERG DISTRICTS OF LIMPOPO PROVINCE FOR A PERIOD OF THREE (3) YEARS				
BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID/TENDER BOX SITUATED AT THE FOLLOWING ADDRESS:					
LIMPOPO ECONOMIC DEVELOPMENT, ENVIRONMENT AND TOURISM					
19 BICCARD STREET					
POLOKWANE					
0699					
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO			TECHNICAL ENQUIRIES MAY BE DIRECTED TO:		
CONTACT PERSON	MS LETSWALO MM		CONTACT PERSON	MRS THIVHAFUNI PO	
TELEPHONE NUMBER	015 293 8769 / 082 802 4189		TELEPHONE NUMBER	015 293 7022 / 079 499 4428	
FACSIMILE NUMBER			FACSIMILE NUMBER		
E-MAIL ADDRESS	LetswaloMM@ledet.gov.za		E-MAIL ADDRESS	ThivhafuniPO@ledet.gov.za	
SUPPLIER INFORMATION					
NAME OF BIDDER					
POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
FACSIMILE NUMBER	CODE		NUMBER		
E-MAIL ADDRESS					
VAT REGISTRATION NUMBER					
SUPPLIER COMPLIANCE STATUS	TAX COMPLIANCE SYSTEM PIN:		OR	CENTRAL SUPPLIER DATABASE No:	MAAA
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE	TICK APPLICABLE BOX] <input type="checkbox"/> Yes <input type="checkbox"/> No			[TICK APPLICABLE BOX] <input type="checkbox"/> Yes <input type="checkbox"/> No	
[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/ SWORN AFFIDAVIT (FOR EMES & QSEs) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]					
ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ENCLOSE PROOF]		ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES, ANSWER THE QUESTIONNAIRE BELOW]	
QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS					
IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?				<input type="checkbox"/> YES <input type="checkbox"/> NO	
DOES THE ENTITY HAVE A BRANCH IN THE RSA?				<input type="checkbox"/> YES <input type="checkbox"/> NO	
DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?				<input type="checkbox"/> YES <input type="checkbox"/> NO	
DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?				<input type="checkbox"/> YES <input type="checkbox"/> NO	
IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?				<input type="checkbox"/> YES <input type="checkbox"/> NO	
IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 BELOW.					



PART B TERMS AND CONDITIONS FOR BIDDING

1. BID SUBMISSION:

- 1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.
- 1.2. ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED--(NOT TO BE RE-TYPED) OR IN THE MANNER PRESCRIBED IN THE BID DOCUMENT.
- 1.3. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT, 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.
- 1.4. THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (SBD7).

2. TAX COMPLIANCE REQUIREMENTS

- 2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.
- 2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VERIFY THE TAXPAYER'S PROFILE AND TAX STATUS.
- 2.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) PIN MAY BE MADE VIA E-FILING THROUGH THE SARS WEBSITE WWW.SARS.GOV.ZA.
- 2.4 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.
- 2.5 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.
- 2.6 WHERE NO TCS 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."

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

SIGNATURE OF BIDDER:

CAPACITY UNDER WHICH THIS BID IS SIGNED:

(Proof of authority must be submitted e.g. company resolution)

DATE:

PRICING SCHEDULE
(Professional Services)

NAME OF BIDDER:	BID NO.: EDET 287/2023
CLOSING TIME 11:00	CLOSING DATE: 17 NOVEMBER 2023

OFFER TO BE VALID FOR 150 DAYS FROM THE CLOSING DATE OF BID.

ITEM NO	DESCRIPTION	BID PRICE IN RSA CURRENCY **(ALL APPLICABLE TAXES INCLUDED)
	RE-ADVERTISEMENT: APPOINTMENT OF SERVICE PROVIDER FOR THE SUPPLY, COMMISSIONING, OPERATION AND MAINTENANCE OF CONTINUOUS AMBIENT AIR QUALITY MONITORING STATIONS IN CAPRICORN, VHEMBE AND WATERBERG DISTRICTS OF LIMPOPO PROVINCE FOR A PERIOD OF THREE (3) YEARS	R.....

1. The accompanying information must be used for the formulation of proposals.
2. 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 all applicable taxes for the project.
3. PERSONS WHO WILL BE INVOLVED IN THE PROJECT AND RATES APPLICABLE (CERTIFIED INVOICES MUST BE RENDERED IN TERMS HEREOF)

R.....

4. PERSON AND POSITION

HOURLY RATE

DAILY RATE

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

R.....
R.....
R.....
R.....
R.....

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

5. PHASES ACCORDING TO WHICH THE PROJECT WILL BE COMPLETED, COST PER PHASE AND MAN-DAYS TO BE SPENT

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

R.....
R.....
R.....
R.....

..... days
..... days
..... days
..... days

- 5.1 Travel expenses (specify, for example rate/km and total km, class of airtravel, etc). Only actual costs are recoverable. Proof of the expenses incurred must accompany certified invoices.

DESCRIPTION OF EXPENSE TO BE INCURRED

RATE

QUANTITY

AMOUNT

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

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

R.....
R.....
R.....
R.....

TOTAL: R.....

Name of Bidder:

'all applicable taxes" includes value- added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies.

- 5.2 Other expenses, for example accommodation (specify, eg. Three star hotel, bed and breakfast, telephone cost, reproduction cost, etc.). On basis of these particulars, certified invoices will be checked for correctness. Proof of the expenses must accompany invoices.

DESCRIPTION OF EXPENSE TO BE INCURRED	RATE	QUANTITY	AMOUNT
.....	R.....
.....	R.....
.....	R.....
.....	R.....
TOTAL: R.....		

6. Period required for commencement with project after acceptance of bid
7. Estimated man-days for completion of project
8. Are the rates quoted firm for the full period of contract? *YES/NO
9. If not firm for the full period, provide details of the basis on which adjustments will be applied for, for example consumer price index.
.....
.....
.....

Any enquiries regarding bidding procedures may be directed to the –

Department of Economic Development, Environment and Tourism
Evridiki Towers
19 Biccard Street
Polokwane

Or for technical information –

Mrs. Thivhafuni PO
Deputy Director: Integrated Pollution and Waste Management
Tel: (015) 293 7022
Cell: 079 499 4428
Email: ThivhafuniPO@ledet.gov.za

BIDDER'S DISCLOSURE

1. PURPOSE OF THE FORM

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

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

2. Bidder's declaration

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

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

Full Name	Identity Number	Name of State institution

- 2.2 Do you, or any person connected with the bidder, have a relationship

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.

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 arrangements made by the bidder with any official of the procuring

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.

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

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

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

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

1. GENERAL CONDITIONS

1.1 The following preference point systems are applicable to invitations to tender:

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

1.2 The 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:

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

Where

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

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:

80/20

or

90/10

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

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)
PREFERENTIAL GOALS			
HDI'S			
1	Black People	7	
2	Women	4	
3	Persons with Disability	2	
SPECIFIC GOALS			
1	Youth	4	
4	Enterprise Located in Limpopo Province	3	
	TOTAL	20	

Tenderers are required to furnish below documentary proof to the satisfaction of the Department that the claims for preferential goals are correct:-

- (a) CSD report and/or copy of company CIPC registration certificate.
- (b) Original or Certified Copy of certificate/confirmation of Disability Status.
- (c) Recent Municipal account or Local Authority Letter for confirmation of Local Address (*not older than 3 months*)

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:

.....

.....

.....



LIMPOPO

PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
ECONOMIC DEVELOPMENT, ENVIRONMENT & TOURISM

TERMS OF REFERENCE

**APPOINTMENT OF A SERVICE PROVIDER FOR THE
SUPPLY, INSTALLATION, COMMISSIONING, OPERATION
AND MAINTENANCE OF CONTINUOUS AMBIENT AIR
QUALITY MONITORING STATIONS IN CAPRICORN,
VHEMBE AND WATERBERG DISTRICTS OF LIMPOPO
PROVINCE**

TECHNICAL SPECIFICATION

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1. INTRODUCTION

Limpopo province seeks to appoint an independent and suitably qualified Service Provider to supply, deliver, install, commission, operate and maintain continuous ambient air quality monitoring stations (CAAQMS) and meteorological equipment at specified locations across the province as part of the development of the Provincial Air Quality Management Systems and as required by National Environmental Management: Air Quality Act (Act No. 39 of 2004).

The objective is to expand the provincial ambient air quality monitoring network and to ensure provincially representative air quality information for policy and strategy development. The project will also help the department in developing air quality data for public information needs, quantifying trends to identify future problems or progress in achieving management control targets, and to ensure that air quality monitoring and reporting mandates are efficiently met.

It is therefore critical that ambient air quality monitoring stations are well located, managed and maintained to provide reliable ambient air quality information that meets monitoring objectives of the stations.

2. BACKGROUND

The National Framework for air quality management outlines a requirement for provinces and municipalities to conduct ambient air quality monitoring and reporting. Currently there are five monitoring stations in the province that are owned and managed by the provincial department (LEDET) as well as municipalities. LEDET owns and operates two reference monitoring stations located in Phalaborwa (Mopani District) and Steelpoort (Sekhukhune District). Capricorn District Municipality owns and operates one reference monitoring station located in Polokwane local Municipality. Sekhukhune District Municipality owns and operates one reference monitoring station located in Dilokong (Fetakgomo-Tubatse Local Municipality). Mopani District Municipality owns a reference ambient air quality monitoring station located in Tzaneen.

Whilst the provincial ambient air quality monitoring network geographic density is significantly low (sparsely distributed across the region) with some stations not operational or not meeting the minimum data recovery requirements due to inadequate resource allocation for effective operations and maintenance, there is a need for recapitalization of all stranded monitoring stations and for expansion of the monitoring network to ensure the validity, efficacy and

sanctity of ambient air quality monitoring in the province. Capricorn, Vhembe and Waterberg District Municipalities are currently the provincial priority areas for ambient air quality monitoring. It is therefore necessary to allocate adequate resource to recapitalise stations and to expand the provincial monitoring network within strategic locations/municipalities in order to ensure provincially representative ambient air quality information.

Against this background, the department intends to expand the provincial monitoring network by conducting continuous ambient air quality monitoring within Capricorn, Vhembe and Waterberg district municipalities. The ambient air quality monitoring network will provide information on the state of air quality and will enable spatio-temporal characterisation of ambient air quality across the province. This is important for protecting the public, the ambient environment, as well as for making scientifically informed decisions and interventions.

3. OBJECTIVES

The rationale for the project and for conducting continuous ambient air quality monitoring is to:

- Expand the provincial ambient air quality monitoring network
- Understand air quality trends and impacts within the province.
- Observe if the provincial ambient air quality complies with the prescribed national air quality standards.
- Collect data for air quality modelling and development of mitigation measures.
- Safeguard human health through maintaining acceptable ambient air quality levels.
- Improve on the provincial air quality monitoring network coverage.
- Ensure that ambient air quality information is disseminated to the public in line with legislative requirements

4. SCOPE AND EXTENT OF WORK

4.1 Scope of work

The Service Provider will supply, deliver, install, commission, operate and maintain three monitoring stations and associated meteorological equipment according to specifications listed in this document as well as providing and installing hardware and software for data processing at station, provincial and national level. The Service Provider will provide equipment, parts, documentation, operation and maintenance services, and deliver hands-on

training for selected staff on how to operate, calibrate and maintain the equipment, and offer warranties on all delivered goods and services.

4.2 Schedule of requirement

The CAAQM system should be complete in functionality. Any balance of material not specified but required for the purpose must be supplied by the Service Provider and should be costed accordingly. The minimum general specification for the CAAQMS is as follows:

4.2.1 Output A: Supply, Delivery and Installation of the Monitoring Stations

- a) The Service Provider will supply and install a CAAQMS at the sites identified by the department. The Service Provider should ensure that the equipment is safe or properly insured while in transit to the site. LEDET cannot be held liable for any breakages, theft or any damage to the equipment while in transit. The equipment will be installed at specific sites identified by LEDET and brought into suitable conditions for operation by the Service Provider. The Service Provider will also make all the necessary and suitable adjustments and arrangements, including but not restricted to, the utility supplies and connections, foundation/concrete slab and erection works in order to install the equipment in adequate conditions for operation. The Service Provider will ensure that all necessary civil works including construction and installation of platform for the monitoring station at selected sites is finalized before the station is to be installed.
- b) **Installation of ambient AQ monitoring station:** The ambient air quality station must be installed in a proper shelter taking into consideration security issues. Power source should be grid electricity with suitable off grid backup electricity to ensure continuous monitoring during power interruptions. The installations should include sampling systems as appropriate for the parameters being monitored, a full-set of meteorological equipment and data management systems that will allow the effective and reliable transfer of data to SAAQIS and other data servers as specified. The system should be fitted in a suitable, safe and ever locked shelter which has an air conditioner that meets the specification of the CAAQMS and an uninterrupted power supply (UPS) systems to ensure that in the event of an abrupt and short term power failures, ambient air quality monitoring remains uninterrupted. The power supply to the monitoring enclosure/room needs to be of sufficient rating to support the amount of equipment to be installed. A suitable trip must be installed to prevent accidental damage to the equipment in the event of a power surge. The Service Provider is expected to install Voltage meters to closely monitor any variations in voltage

that can damage equipment or impact on the quality of data being collected. The housing will be partitioned to create space for storing gas cylinders, meteorological mast, UPS and suitable racks to accommodate all analysers, calibrators, zero air generators, data loggers, etc. Station furnishing will include cupboard, working table and revolving tilting chair and a fire extinguisher.

- c) **Air Quality Monitors/Analysers:** The installations will include monitors/analysers for: Nitrogen Dioxide (NO₂), Sulphur Dioxide (SO₂), Carbon Monoxide (CO), Ozone (O₃), Benzene, Toluene, Ethylbenzene and Xylene (BTEX) and Particulate Matter (PM₁₀, PM_{2.5} and PM₁). All analysers will use reference methods as per requirements of Government Notice 1210 and shall be of latest design. The analysers should be complete with calibration system. The analysers must have zero point internal calibration system in agreement with minimum detection limit of each analyser. The calibration procedures are to be integrated into the software system for automatic calibration. The analyses will be supplied with all ancillaries necessary for operation.
- d) **Original Equipment Manufacture's (OEM) Authorisation:** operation and maintenance of supplied equipment must be carried out by OEM authorised to service providers.

In cases where bidders utilize third party OEM Authorisation, bidders must submit a valid OEM Authorisation letter/certificate plus a signed commitment letter /agreement from the third party stating that support will be provided to bidder in respect of maintenance, repair, calibration and servicing of the equipment/products.

- e) **Meteorological Instrumentation:** The installations will include a full set of meteorological Instrumentation comprising Wind Direction, Wind Speed, Ambient Temperature, Relative Humidity, Solar Radiation, Rainfall, Barometric pressure and lightning protection. The meteorological instrumentation should be interfaced directly with the Data Acquisition System after passing through a lightning protection isolation box.
- f) **Spares and Consumables:** The Service Provider shall purchase spare parts, materials, supplies and other consumable items, and maintain an inventory thereof, for the Monitoring Stations. All such material supplied and other items shall be the property of the department. However all the spares shall be sourced from OEMs' authorised or approved service providers.
- g) **Data Acquisition System:** Service Provider will provide and install Data Acquisition System (DAS) (including a PC with peripherals and a Windows based software for data

acquisition/display/transfer and system integration) at the monitoring station and a Server PC at LEDET's offices with peripherals and a Windows based software for data acquisition/display/transfer and system integration. The DAS will have a lightning and surge protection facilities, adequate data storage space, and online and remote communication through radio, switched telephone, cellular telephone, as well as short hauls modems. The DAS will support remote communication enabling full control over the monitoring system and direct interfacing with supported analysers. The overall architecture of the system should adhere to true client/server technologies and methodologies; support a minimum of ten simultaneous users; utilize industry standard communications server to provide shared modem services and IP polling capabilities for making multiple/simultaneous connections with the monitoring sites; provide client software that is designed for Microsoft Windows OS (or newer/future versions of Microsoft Windows Operating System) using Microsoft's standards for user interface design and system resource access and management; maintain a read-only duplicate of the database system; and support industry standard disaster recovery solutions.

- h) The hardware specification for the server should exceed the minimum requirements specified by all software components installed. This includes the network operating system, database management system software, and any other necessary system service or resource. The network operating system for the server should support Microsoft Active Directory for user authentication and resource allocation. The system must utilize a high-end relational database management system (RDBMS) in a server environment as its data storage and development system. The database must store all data collected from the provincial monitoring sites.
- i) All components of the systems that require a network connection must integrate seamlessly with the Department's network infrastructure. The system should include all of the automation, remote connection and remote control capabilities that the Department requires. These include, but are not limited to, polling data from the remote station, remote actuation of calibration activities at remote monitoring station, full remote control and operation of the data acquisition system at a remote monitoring station, retrieval of many types of test files and data. Inventory of spares and consumables to be maintained and recorded from time to time and a buffer stock for any eventuality to be maintained.
- j) **Calibration Equipment:** The monitoring station must have multi-calibration systems for gas monitors/analysers comprising of gas supply/generation and automated calibration

(Gas Calibration System; Meteorological, Flow, and Electronics Calibration; and Calibration and zero gases).

k) Data reporting to SAAQIS

Real-time ambient air quality monitoring data must be reported to SAAQIS to ensure that ambient air quality information is accessible to the public.

4.2.2 Output B: Operation and Maintenance of CAAQMS

To ensure compliance with ambient air quality monitoring requirement, the stations must be kept functional through proper maintenance and calibration services. For a period of three (3) after the installation and commissioning of the stations the Service Provider will manage the CAAQMS including station operation, calibration and maintenance services, repairs and recapitalization of monitoring stations where necessary, data management and reporting in line with required reporting standards. During this three (3) year period, the Service Provider will be required to collaborate with municipalities to build local technical capacity for ambient air quality monitoring. The Service Provider will also be required to participate in the quarterly Provincial-Municipal Air Quality Officers' Forum meetings and present reports which should include but not limited to monitoring station results, status of equipment and related software, operations and maintenance reports of the stations. The Service Provider's responsibilities during the Operation and Maintenance (O&M) Phase shall include without limitations the following works to be carried out on the CAAQMS installed under this Contract:

- a) **Operation and Maintenance Obligations:** In implementing its obligations to operate and maintain the installed CAAQMS, the Service Provider shall:
- i) Perform Operation and Maintenance of all the commissioned equipment and amenities as approved by the department
 - ii) Provide traceability of measurements and quality control and quality assurance of the monitoring stations
 - iii) Undertake comprehensive maintenance, i.e. scheduled and breakdown maintenance and repair services at site, and keep the department Informed regarding status of equipment. This exercise will include but not limited to:
 - Undertaking quarterly full multipoint/dynamic calibrations of all gas analysers per year.
 - Performing bi-monthly (every two weeks) zero and span checks on all analysers during each station visit.

- Undertaking annual South African National Accreditation System (SANAS) accredited calibrations on all analysers including particulate monitors.
 - Undertaking annual SANAS accredited calibration on meteorological instrumentation.
 - Conducting maintenance services of air conditioners.
 - Issuing SANAS certificates after completion of calibration activities as proof.
 - Carrying out continuous reporting of air quality monitoring data live to SAAQIS.
- iv) Identify any necessary repairs, recapitalization or network improvements work and carry out timeous repairs, recapitalization or network improvements services as and when such services are needed.
- v) Should there be any fault or breakdown on any analyser or equipment, the appointed service provider shall diagnose the fault and provide a report to LEDET for consideration.
- vi) The service provider shall obtain permission from the department prior to any repairs, recapitalization or network improvements services are carried out.
- vii) Keep the Monitoring Stations clean, well maintained and in good working condition.
- viii) **Security:** It is the duty of the Service Provider to secure the movable, immovable and other properties of the department at the monitoring station. The Service Provider shall indemnify the loss caused to the department on account of any damage, loss or theft caused to the property of the department.
- ix) **Scheduled Maintenance:** Unless the department and Service Provider mutually agree otherwise, perform all required Scheduled maintenance for all equipment, auxiliaries etc., in accordance with the O&M specifications.
- x) **Unscheduled Maintenance:** Perform all Unscheduled Maintenance and repairs for all equipment, auxiliaries etc. within twenty four (24) hours of the occurrence of the event requiring Unscheduled Maintenance, the operator shall provide the department with detailed written information on nature of the repair or replacement to be carried out, estimated down time and other necessary details as required.
- xi) The Service Provider shall source all the spares required for maintenance & repairs of the installed equipment from O&M only.
- The Operator will not make any modifications as to the CAAQMS other than in an emergency without a prior written approval of the department, or dispose off any assets, settle law-suits or engage in transactions relating thereto on behalf of the department without a prior written approval of the department;
 - The Service Provider will operate the equipment as per the laid out standards in the operating manual of the equipment and provide data for ambient air to the

4.2.3 Output C: Data management, Quality Checks and Reporting

- a) The Service Provider will provide data management, verification and reporting services for a period of three (3) years from the date of commissioning of CAAQMS. The Service Provider will develop and maintain a robust reporting system that will take the data generated by the station and present it in reports, in a standard format that follows national and international standards of air quality monitoring reporting, on a monthly basis. The Service Provider will ensure accuracy of the data provided in accordance with acceptable norms and standards and periodic re-calibration of all the equipment as per manufacturer's instructions and maintain a Manual and an electronic Calibration Log. Data must be collected and managed to ensure that it meets the following criteria: (i) reliable, (ii) easily accessible to a variety of users and (iii) of known quality. An independent entity to be chosen by the department will do regular evaluations of the operational performance of the stations to ensure that they are operating satisfactorily.
- b) Data will be collected and validated according to acceptable norms and standards (SANAS TR07-02 and ISO 17025 accreditation system). All raw and validated data should be submitted to the department on a monthly basis. The service provider will be responsible for developing data submission forms as well as compiling monthly monitoring reports. The monthly data report should include data analysis, results and data recovery statistics for both raw and validated data. All irregularities, any missing data and errors encountered in the validation should be documented in the form of a data validation and quality control summary table. The data report should be in metadata format. Other information needs to be documented with special consideration given to relevant local conditions. In addition, a quality assurance and quality control report should accompany the monthly data report, describing all quality assurance results to include updates on all maintenance and repairs conducted during the reporting period.
- c) The Service Provider will also be required to back-up all the data from the station, server database and reports on a regular basis into a safe environment which will be accessible to the Department. All the operating systems and configuration data should also be backed up. A back up plan should be provided with the Standard Operating Procedure (SOP). Furthermore, the Service Provider is expected to provide nominated personnel, access to the Data Management System to enable the department to synthesize the data according to its reporting requirements where necessary. It should also be noted that the department will remain the owner of all data at monitoring station or any equipment owned or purchased/supplied under this contact. In case of dispute or any disagreement, the

Service Provider should provide all the data generated and processed in readable format to the Department.

4.2.4 Output D: Training and Capacity Building for Skills development

- a) The Service Provider will provide on-job training to nominated staff tailored specifically to particular requirements of the province. Training should include but not limit to (i) equipment basics, maintenance, calibration and diagnostics; (ii) proper use of all equipment and sample handling in accordance with standard operating procedures (SOPs), (iii) data handling, acquisition, collection, valuation and reporting, and (iv) on-site equipment maintenance, calibration and diagnostics.
- b) It is envisaged that this capacity building will begin at the start of the contract, and continue for the duration of the contract. A nominated officials will accompany the Service Provider during installation of the station and during all site visits/routine checks under operations and maintenance services
- c) The Service Provider will discuss and finalize the detailed contents and schedule of the training program in consultation with the department prior installation of the equipment. The Service Provider must also provide a comprehensive training program and training material for nominated personnel who will train future project members. The Service Provider will furnish the training material as required for training on all the equipment and systems supplied under the scope of work.
- d) Contents of training material for the equipment and systems will include but not limited to start-up and shutdown procedure; principles of the equipment; basic measurement principles; operation and calibration of the equipment; inspection, maintenance and basic repair of the equipment; safety instructions of the equipment, QA/QC; data validation and management; application software setup; operation and maintenance; database administration; communication services administration, and any other subject deemed to be necessary by the Service Provider.
- e) The Service Provider shall discuss and finalize the detailed contents and schedule of the training program in consultation with the department during installation of the Equipment. In case the training requires the supplemental and/or supporting Equipment, the Service Provider shall carry out the training including provisioning of such Equipment for training purposes.

5. PERIOD OF CONTRACT

5.1 The maintenance contract shall be for a period of three (3) years from the date of signing of service level agreement.

6. PROJECT DELIVERABLES

In order to meet the project objectives, the Service Provider must ensure the delivery of, inter alia, the following outputs:

- a) Supply and installation, testing and commissioning of CAAQMS and associated systems that use reference monitoring techniques/methods.
- b) Operation & Maintenance of Continuous Ambient Air Quality Monitoring Station for a period of three (3) years from the date of commissioning of the stations; it should be noted, however, that the Service Provider will be expected to enter into a service level agreement for this deliverable.
- c) Data management, Quality Checks and Reporting during the three (3) year period including live reporting of data to SAAQIS.
- d) Training of nominated staff for skills development.

7. LOCATION OF CAAQMS

The location of the Air Monitoring Stations shall be decided by the department. Monitoring stations shall be located within the following municipal areas:

- Capricorn
- Vhembe
- Waterberg

8. PROJECT ACTIVITIES

Specific activities to be carried out by the Service Provider in generating the above outputs must be detailed in the proposal contained in the bid.

9. PROJECT COSTING AND BUDGET

In order to generate the above outputs, the department will cover the expenses relating to the work of the contracted Service Provider to a value not exceeding that agreed in the Service

Provider's contract. A detailed project costing for each proposed project activity must be provided with the proposal. In preparing the bid, the bidders must ensure that their bids clearly provide the information required for bid evaluation purposes.

10. PROJECT MANAGEMENT

10.1 Project Director

The Chief Director: Environmental Trade and Protection (ETP) will be the project director. As such, the contracted Service Provider will be directed by and report to the Chief Director: ETP. In consultation with the appointed Service Provider, the Project Director will develop a service level specification document specifying project deliverables, key performance indicators, delivery schedule, cost breakdown and payment schedule prior to signing of the Service Level Agreement. The service level specification will document will form part of the Service Level Agreement and shall be binding to both parties.

10.2 Project Management Team

The Project Management Team (PMT) will be made up of the following team members who will make the day-to-day decisions on project implementation, (i) Chief Director: Environmental Trade and Protection, (ii) Deputy Director: Air Quality Management, (iii) Project Manager (see below). The PMT will meet once every quarter and as and when a need arise to ensure successful implementation of part 5 (above) and to adjudicate over reports and see if they meet the required standards and to provide direction.

10.3 Project Manager (Contracted Service Provider)

The successful tenderer will nominate a member of their team with project management expertise as the project manager. This person will be responsible for managing the implementation of all the activities described in this document and delivery of all outputs contained in the accepted proposal. The project manager will be the contact person for all departmental-consultant interactions. The project manager should demonstrate an acceptable project management methodology that the bidder uses and the project should be based on a reputable project management practice.

10.4 Project Steering Committee

The successful implementation of the project will rely heavily on efficient and effective cooperation and coordination between the regulatory authorities impacted or affected by the project. To facilitate the required intergovernmental cooperation and coordination, a Project Steering Committee (PSC) made up of members from the project partners will be established during an initial project inception meeting. The Project Management Team and the Provincial Air Quality Officer's Forum will form part of the PSC. The PSC will be chaired by the Senior Manager: IPWM and will meet, at least, once every three months.

11. PROJECT INFORMATION MANAGEMENT

11.1 Internal Project Communication

All decisions, suggestions, recommendations, reports etc. concerning the project must be submitted in writing. In the case of emergencies, verbal decisions, suggestions, recommendations, reports, etc. must be confirmed in writing by the contracted consultant within 48 hours of the verbal communication. All required reports will be submitted to the Project Director and the PMT in hard copies as well as on an appropriate electronic storage medium as per the number of PMT members. Monthly monitoring reports are to be submitted in electronic format and signed original hard copies should be circulated to the PSC members by the project manager or his/her appointed project administrator.

11.2 External Project Communication

All communication external to the project (e.g. response to complaints, public/press/media queries, etc.) will be carried out by either the Project Director or the department's communication section. As such, all complaints, press/media queries, etc. must be referred to the Project Director together with a written briefing on a possible response. The Service Provider is to ensure that all related data and information is accessible by relevant stakeholders. In order to do this, the Service Provider must create an automated link between LEDET's website and its data management system to ensure that all information is reported regularly and easily accessible to the public. It is critically important that the data management system that the Service Provider uses is compatible with LEDET's website (i.e. the output files that the data management system generates are compatible with the file format range that LEDET's website can accommodate). In addition, the Service Provider must ensure that all documentation related to this project is loaded onto the website.

12. PROJECT TIMING AND IMPLEMENTATION

- a) The project will commence following the signing of a contract between the LEDET and the Service Provider. The project for supply and installation of the monitoring and meteorological station with all necessary equipment and services for proper operation, maintenance, and calibration including data acquisition system is expected to have a duration of no longer than four and a half years.
- b) The Service Provider will complete all activities covered in the scope of work up to installation & commissioning of the Monitoring Station within six months from date of opening of appointment.
- c) The Service Provider will carry out Operation & Maintenance of Air Monitoring Station for a period of four (04) years from the date of commissioning of the station. The following table provides some guidance/expectations in this regard:

Output	Expected Delivery Date (all after contract signing)
Output A	Sixth Months
Output B	Seventh Month and Ongoing
Output C	Seventh Month and ongoing
Output D	Initiate at beginning of Month One and complete by end of thirty-sixtieth Month

13. REPORTING

13.1 Monthly Reporting

The contracted consultant will submit monthly progress reports in an agreed format to the Project Director within 10 days of the month under review.

13.2 Annual Reporting

The contracted consultant will submit an annual summary and analysis report of the monitoring station data (state of air report) within two months of the end of the year under review.

13.3 Public Data Requests and Other Technical Support

The contracted consultant will:

- Provide assistance in responding to public air monitoring data information requests
- Attend community and LEDET's meetings regarding other air monitoring efforts in the province as requested and support LEDET's staff in public presentations or other media
- Prepare informational materials such as pamphlets, graphs, presentations, or other media forms on provincial air quality monitoring data and on-going monitoring efforts
- Provide technical expertise as requested.

14. PERFORMANCE MONITORING AND PROJECT MEETINGS

Once the tender has been awarded the Service Provider will coordinate an inception meeting with all relevant team members. Periodic project management meetings will be coordinated as required and relevant team members will be part of such meetings. Performance against the deliverables detailed in Part 4 will be closely monitored by LEDET. All meetings sessions are to have detailed attendance registers, minutes, proceedings, resolutions and copies of presentations documented.

MONITORING TOOL	FREQUENCY	EXPECTATION
PMT Briefing Sessions	As Required	Oral Feedback
Monthly Progress and Station Performance Reports	Monthly	Written report.
PSC Meetings	Quarterly	Written Progress Reports, Presentations and Meeting
Quarterly Station Performance Reports	At the end of each Quarter	A written quarterly summary and analysis report of the air quality monitoring station data

15. EVALUATION OF THE BID

Bidders will be evaluated in accordance with the supply chain management policies, Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000) and Preferential Procurement Regulations of 2022.

- Phase 1: Administrative or Pre-check Compliance
- Phase 2: Functionality Criteria
- Phase 3: Price and Preference Goals

15.1 Phase 1: Administrative/Pre-check Compliance:

15.1.1 During this stage of the evaluation the bidders will be evaluated on whether or not they comply with the following:

- a) Complied with all the conditions of tender; and
- b) Submitted all mandatory documentation required;

15.1.2 The below administrative bidding requirements shall be complied with and required documents must be attached before consideration for further evaluation.

15.1.3 Bidders may be disqualified if not meeting the following requirements:

Criteria	Requirement	
Tax compliance status	Tax status must be compliant	
Business registration	Entity must be in business (i.e. active status)	
Company registration with central supplier database (CSD)	Bidders must be registered as a service provider on the Central Supplier Database (CSD). If not registered must proceed to complete the registration prior to submitting your proposal. Visit https://secure.csd.gov.za/ to obtain your vendor number.	
In the service of the state status	Bid will not be considered if shareholder or director are employed by state /government departments, municipalities, municipal entities and public entities unless such shareholder or director is in an official capacity as a director of a company listed in schedule 2 and 3 of the Public Finance Management Act.	
Tender defaulting and restriction status	Entity and directors must not be restricted	
Documents that must be submitted	Non-submission will result in disqualification	Requirement
Invitation to Bid – SBD 1	YES	Must be fully completed, signed and submitted with the bid by the closing date and time
Pricing Schedule – SBD 3.3	YES	Must be fully completed, signed and submitted with the bid by the closing date and time
Bidder's Disclosure – SBD 4	YES	Must be fully completed, and submitted with the bid by the closing date and time. (Bidders must declare if they have interests in

		<p>other Companies. Refer to Paragraph 2.3 of SBD 4)</p> <p>NB: Failure to declare any other companies will result in disqualification</p>
Preference Point Claim Form – SBD 6.1	NO	Must be fully completed, signed and submitted with the bid by the closing date and time. (Bidders must fully complete the Table 1, paragraph 4.2 of SBD6.1 to claim preference points for specific goals)
<p>Copy of a Valid SANAS Accreditation (ISO/IEC 17025:2005) certificate <u>OR</u> A signed agreement letter from a SANAS Accreditation certificate holder.</p> <p>NB:</p> <p><i>“In cases where a third party SANAS Accreditation Certificate is utilised, a letter of consent or agreement must be attached <u>plus</u> the copy of a valid SANAS Accreditation certificate”.</i></p>	YES	Must be submitted with the bid.
A signed confirmation letter from a bidder that periodic SANAS meteorological calibration will be conducted	YES	Must be signed and submitted with the bid

15.2 Phase 2: Functionality Evaluation

Technical Requirements (i.e. Functional Specifications, skills and experience, references and resources):

This evaluation will be based on the responses provided in the Bidder's bid documents, using the functionality requirements in the TERMS OF REFERENCE section. The threshold values set for qualification of a bid is a score of **60 points** and all bidders who score below this score will be eliminated.

No.	Technical / Functional Criteria	Weights
1.	<p>Project Proposal (Maximum Points = 25)</p> <p>Submission of the project proposal which incorporates project scope, methodology to be employed, a proposed plan of action to achieve project objectives with detailed methodology and resource allocation. The bidder is</p>	25

No.	Technical / Functional Criteria	Weights
	<p>also required to include maintenance and skill transfer plans in their project proposal. The project proposal must outline and demonstrate insight information provided in the bid document (relevance and accuracy).</p> <p>1.1. Project scope (<u>20 Points</u>)</p> <p><u>Points allocation:</u></p> <ul style="list-style-type: none"> • 20 points = Bidder submitted Detailed project proposal with clear action plan and demonstrates an extensive understanding of project requirements. • 10 points = Bidder's project proposal demonstrates limited understanding project requirements. • 5 points = Bidder's project proposal demonstrates poor understanding project requirements • 0 points = Bidder failed to submit project proposal or failure to demonstrate understanding of project requirements. <p>1.2. Skills transfer plan on facilitation of technical/practical and theoretical skills (Points = <u>5 points</u>)</p> <p><u>Points allocation:</u></p> <ul style="list-style-type: none"> • 5 points = Bidders submitted a detailed skills transfer plan for facilitation of technical practical and theoretical skills. • 3 points = Bidders submitted poor skills transfer plan for facilitation of technical practical and theoretical skills • 0 points = Failure to submit plan or failure to demonstrate understanding of skills transfer activities and requirements in the plan. 	
2.	<p>Company Track record on similar projects:</p> <p>Reference Letter(s) (Maximum points = 25)</p> <p>Relevance of the company's core business to the scope of the bid (the portfolio of services of the bidder). The company must have experience in operation, maintenance, calibration and repair of Ambient Air Quality Monitoring Stations.</p> <p>Bidders must attach to their proposal/bid response, signed reference letter(s) on the client's letterhead providing information on similar projects completed including contract period, value, contact details, and contract description of service.</p> <p><u>Points allocation:</u></p>	25

No.	Technical / Functional Criteria	Weights
	<ul style="list-style-type: none"> • 25 points = 5 or more similar Projects completed • 20 points = 4 similar Projects completed; • 15 points = 3 similar Projects completed; • 10 points = 2 similar Projects completed; • 5 points = 1 similar Projects completed; • 0 points = No submission of reference letter/s or irrelevant company experience in respect of project completed. <p>NB:</p> <ul style="list-style-type: none"> ➤ <i>Reference letters indicating irrelevant experience will not be considered and will be allocated 0 point.</i> ➤ <i>Only reference letters issued in the <u>name of the Companies tendering</u> will be considered.</i> 	
3.	<p>Capacity and Skills of Company's Key Personnel (Maximum points = 50 points)</p> <p>Staff Experience:</p> <p>Capability (profiles of key staff and persons to be assigned to the project). Experience and track record in :</p> <ul style="list-style-type: none"> • Ambient Air Quality Monitoring, including data management; • Project team members – submit names and CVs - with relevant experience at least two years in ambient air quality monitoring; • Experience and educational background of personnel proposed to provide the service in operation, maintenance and repair of Ambient Air Quality Monitoring Equipments. <p>3.1 Qualification(s) and Experience of a Project Leader (30 points)</p> <p>3.1.1 Project leader's Qualification(s) = (10 points)</p> <p><u>Points allocation:</u></p> <ul style="list-style-type: none"> • 10 points = Degree or higher in Environmental Management/health/science or Atmospheric Science or Air Quality Management or Chemical Engineering or Chemistry or Electronics • 5 points = National Diploma in Environmental Management/health/science or Atmospheric Science or Air Quality Management or Chemical Engineering or Chemistry or Electronics • 0 point = Irrelevant qualification(s)/ non- submission of qualification(s). <p>3.1.2 Project leader experience = (20 Points)</p> <p><u>Points allocation:</u></p>	50

No.	Technical / Functional Criteria	Weights
	<ul style="list-style-type: none"> • 20 points = Project team leader who has 5 or more successfully completed similar projects with contactable references; • 15 points = Project team leader who has 4 successfully completed similar projects with contactable references; • 10 points = Project team leader who has 3 successfully completed similar projects with contactable references • 5 points = Project team leader who has 2 successfully completed similar projects with contactable references • 0 point = Project team leader who has less than 2 successfully completed similar projects with contactable references. <p>NB:</p> <p>➤ <i>Submit certified copy of qualification(s), list of projects successfully completed with contactable references per project and CV clearly indicating experience.</i></p> <p>3.2 Qualification(s) and experience of a Technician in ambient air quality monitoring (10 Points)</p> <p>3.2.1 Technician's Qualification(s) = (5 Points)</p> <p><u>Points allocation:</u></p> <ul style="list-style-type: none"> • 5 points = Degree or higher in Instrumentation or Environmental Management/health/science or Atmospheric Science or Air Quality Management or Chemical Engineering or Chemistry or Electronics • 3 points = Diploma in Instrumentation or Environmental Management/health/science or Atmospheric Science or Air Quality Management or Chemical Engineering or Chemistry or Electronics • 0 point = Irrelevant qualifications/ non- submission of qualifications <p>3.2.2 Experience of a technician in ambient air quality monitoring = (5 Points)</p> <p><u>Points allocation:</u></p> <ul style="list-style-type: none"> • 5 points = 3 or more years' experience in air quality monitoring as a technician • 3 points = 2 years' experience in air quality monitoring as a technician • 0 point = Irrelevant experience or less than 2 year 's experience in air quality monitoring stations as a technician <p>NB:</p> <p>➤ <i>Submit certified copy of qualification(s), list of projects successfully completed with contactable references per project and CV clearly indicating experience.</i></p>	

No.	Technical / Functional Criteria	Weights
	<p>3.3 Data analyst's Qualification(s) and experience in air quality and reporting (10 points)</p> <p>3.3.1 Data analyst's Qualification = (5 points)</p> <p><u>Points allocation:</u></p> <ul style="list-style-type: none"> • 5 Points = Degree or higher in Data Analysis or Mathematics or Environmental Management or Atmospheric Science or Air Quality Management or Chemical Engineering or Chemistry or Electronics • 3 Points = Diploma in Data Analysis or Mathematics or Environmental Management or Atmospheric Science or Air Quality Management or Chemical Engineering or Chemistry or Electronics • 0 point = Irrelevant qualifications/ non- submission of qualifications <p>3.3.2 Data analyst's experience in air quality and reporting = (5 Points)</p> <p><u>Points allocation:</u></p> <ul style="list-style-type: none"> • 5 points = 3 or more years' experience in air quality monitoring and/or air quality data management • 3 Points = 2 years' experience in air quality monitoring and/or air quality data management • 0 point = non- submission of CV or Irrelevant experience or less than 2 years experience in air quality monitoring and data management <p>NB:</p> <p>➤ <i>Submit certified copy of qualification(s) and CV clearly indicating experience and number of years with contactable references.</i></p>	
	TOTAL POINTS	100

NB: Compliance with the minimum of **60 points** is required to be considered for the next evaluation phase.

15.3 Phase 3: Price and Preferential Point Scoring System

15.3.1 80/20 Preference point system [(for acquisition of goods or services for a Rand value up to R50 million (all applicable taxes included))]

The following formula must be used to calculate the points for price of tenders/procurement with the rand value above R2000.00 up to R50 000 000.00, inclusive of all applicable taxes:

$$Ps = 80 \left(1 - \frac{Pt - Pmin}{Pmin} \right)$$

Where:

Ps = Points scored for price of bid under consideration

Pt = Rand value of tender consideration

Pmin = Rand value of lowest acceptable tender

- (a) A maximum of **20 points** will be awarded in accordance with the table below.
- (b) The points scored by a tenderer in respect of the specific goals above must be added to the points scored for price and the total must be rounded off to the nearest two decimal places.
- (c) Only the tender with the highest number of points scored may be selected for an award.

15.3.2 Preferential Points for Specific Contract Participation Goals:

NO	PREFERANTIAL GOALS	(20 POINTS)	MEANS OF VERIFICATION
	HDI's		
1.	Black People	7	CSD report and/or copy of company CIPC registration certificate
2.	Women	4	CSD report
3.	Persons with Disability	2	Original or Certified Copy of certificate/confirmation of Disability Status
	SPECIFIC GOALS		
1.	Youth	4	CSD report
2.	Enterprises located in Limpopo Province	3	Recent Municipal account or Local Authority Letter for confirmation of Local Address (<i>not older than 3 months</i>)

15.3.3 Tenderers are required furnish below documentary proof to the satisfaction of the Department that the claims for preferential goals are correct.

15.3.4 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 forward the matter for criminal prosecution, if deemed necessary.

15.3.5 Definitions – Specific goals

“Historically Disadvantaged Individuals” means a South African citizen –

- (1) Who, due to the apartheid policy that had been in place, had no franchise in national elections prior to the introduction of the Constitution of the Republic of South Africa, 1983 (Act No. 110 of 1983) or the Constitution of the Republic of South Africa, 1993 (Act No. 200 of 1993) (“the Interim Constitution”); and/or
- (2) Who is a female; and/or
- (3) Who has a disability

Provided that a person who obtained South African citizenship on or after the coming to effect of the Interim Constitution, deemed not to be an HDI.

“Specific goals” means specific goals as contemplated in section 2(1)(d) of the Act which may include contract with persons, or categories of persons, historically disadvantaged by unfair discrimination on the basis of race, gender and disability including the implementation of programmes of the Reconstruction and Development Programme as published in Government Gazette no. 16085 dated 23 November 1994.

“Black People” is a generic term which means Africans, Coloureds and Indians as described in the Broad-Based Black Economic Empowerment Act, Act No.53 of 1993.

“Youth” has the meaning assigned to it in section 1 of the National Youth Development Agency Act, 2008 (Act No. 54 of 2008)

“Persons with Disability” - has the meaning assigned to it in section 1 of the Employment Equity Act, 1998 (Act No. 55 of 1998)

“Price” means an amount of money tendered for goods or services, and includes all applicable taxes less all unconditional discounts.

“Rand value” means the total estimated value of a contract in Rand, calculated at the time of the tender invitation.

“Lowest acceptable tender” means any tender that complies with all specifications and conditions of tender and that has the lowest price compared to other tenders.

“Highest acceptable tender” means any tender that complies with all specifications and conditions of tender and that has the highest price compared to other tenders.

“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.

“Functionality” means the measurement according to predetermined norms of a service or commodity designed to be practical and useful, working or operating, taking into account quality, viability, skills, experience and durability of a service or commodity.

16. COMPLETION OF BID DOCUMENT

The following are minimum requirements for completion of the bid document: -

- 16.1 Bidders are required to complete the entire bid document in terms of the requirements contained herein.
- 16.2 Where the space provided in the bid document is insufficient, separate schedules may be drawn up in accordance with the given formats. These schedules shall then be bound together with suitable contents page and submitted with the bid documents.
- 16.3 All bid documents, certificates, schedules (including additional schedules as mentioned above) and all forms required by this bid must be completed in black ink and signed by the authorized signatory.
- 16.4 Only original bid document shall be accepted.
- 16.5 Bidders shall ensure that there are no missing or duplicated pages. LEDET shall not accept liability in regard to claims by bidders that pages are missing or duplicated.
- 16.6 Correction fluid is not allowed and any cancellation, alteration or amendment on the bid document must be signed for by the authorized signatory.

- 16.7 Completed bid document with supporting documents shall be packaged, bound, sealed, marked and submitted strictly as stipulated in this bid document.
- 16.8 Telephonic, telegraphic, telex, facsimile or e-mailed bid offers will not be accepted.

17. BID AND CONTRACT CONDITIONS

- 17.1 Any proposal submitted by a consortium or joint venture of two or more firms must be accompanied by the consortium formation document or joint venture agreement, stating the name of the joint venture. Each member of the consortia and joint venture will be held jointly and severally liable for the performance of the consortium or joint venture.
- 17.2 Foreign firms providing proposals must be familiar with local conditions and laws and consider them in preparing their proposals.
- 17.3 Firms may not contact the Department on any matter pertaining to their bid from the time when bids are submitted to the time the contract is awarded. Any effort by a bidder to influence bid evaluation, bid comparisons or bid award decisions in any manner, may result in rejection of the bid concerned.
- 17.4 LEDET reserves the right to award the bid in whole, partially or not to award at all.
- 17.5 The department reserves the right to award the bid to a bidder who did not score the highest points.
- 17.6 The Department (LEDET) may, prior to the awarding of an application, cancel or abandon the process:
- a) Due to changed circumstance, there is no longer a need for the services tendered for;
 - b) If funds are no longer available to cover the total envisaged expenditure;
 - c) If no acceptable tenders are received;
 - d) If there is a material irregularity in the tender process
- 17.7 No bid may be awarded to any bidder whose tax matters have not been declared by SARS to be in order..

- 17.8 The Department may accept or reject any variation, deviation, bid offer or alternative Bid offer, and may cancel the Bid process and reject all Bid offers at any time before the formation of a contract. The employer shall not accept or incur any liability to a Bidder for such cancellation and rejection but will give written reasons for such action upon written request to do so.
- 17.9 The appointment of the successful bidder shall be subject to the conclusion of a Service Level Agreement (SLA) between the department and the successful bidder governing all rights and obligations related to the required services.
- 17.10 The contract shall be concluded between LEDET and the successful service provider(s).
- 17.11 Bidders shall be notified about the decision of the Department by means of publication in the Provincial Bid Bulletin, Department's website and National Treasury, e-Tender Portal.
- 17.12 Awarding of the bid shall be subject to the Service Provider(s) acceptance of National Treasury General Conditions of Contract (GCC).
- 17.13 The Department will check with National Treasury's database prior to awarding to ensure that no recommended bidder, or any of its directors, is listed as a person prohibited from doing business with the public sector.
- 17.14 The bidder or any of its directors has not:
- a) Listed on the register of bid defaulters in terms of the Prevention and Combating of Corrupt Activities Act of 2004 as a person prohibited from doing business with the state.
 - b) Abused the employers supply chain management system
 - c) Failed to perform on any previous contract and has been given a written notice in this effect.
 - d) All information and details must be legible/ readable.
 - e) If the bidder fails to fulfil the contract when called upon to do so, the Department may, without prejudice to its other rights, withdraw or cancel the contract that may have been entered into between the bidder and the Department.

- 17.15 Each communication between the Department and a Bidder shall be to or from the Department only, and in a form that can be read, copied and recorded. Writing shall be in the English language. The Department shall not take any responsibility for non-receipt of communications from or by a Bidder. The name and contact details of the Department are stated.
- 17.16 If the bidder fails to fulfil the contract when called upon to do so, the Department may, without prejudice to its other rights, withdraw or cancel the contract that may have been entered into between the bidder and the Department.
- 17.17 Accept that the employer will not compensate the Bidder for any costs incurred in the preparation and submission of a Bid offer, including the costs to demonstrate that aspects of the offer satisfy requirements.
- 17.18 The employer and each Bidder submitting a Bid offer shall comply with these terms and conditions of Bid. In their dealings with each other, they shall discharge their duties and obligations timeously and with integrity, and behave equitably, honestly and transparently.

18. BID PRICING INSTRUCTIONS

- 18.1 All the specific deliverables must be costed in detail and the pricing must be all inclusive:
- Cost of deliverables
 - Resources to be used;
 - Time needed(in hours); and
 - Level of personnel developing deliverables
- 18.2 Bid prices should include all costs and applicable taxes, delivery costs at specific sites identified by LEDET and / or any additional costs that the bidder may have.
- 18.3 The onus / responsibility lies with the bidder to ensure that they have taken all the costs and escalations into consideration when compiling bid prices.
- 18.4 Prices based on currencies other than the South African Rand, the exchange rate utilised, and the date of the exchange rate must be clearly indicated

- 18.5 Arithmetic errors will be rectified on the following basis: If there is a discrepancy between the unit price and the total price that is obtained by multiplying and/or adding the unit price and quantity, the unit price shall prevail. If the bidder does not accept the correction of errors, its bid may be rejected.

19. NEGOTIATIONS

The department reserves the right to negotiate price with recommendable bidders.

20. BRIEFING SESSION

Bidders are required to attend a non-compulsory hybrid briefing session which will be held on the date and time stipulated on the bid document.

21. CONFIDENTIALITY

All documents and data provided under this contract shall remain the property of the department, and shall be treated as confidential.

22. PAYMENTS

Payments shall be made in terms of the Public Finance Management Act (Act no 1 of 1999) and other related Acts.

23. BID VALIDITY PERIOD

All bids submitted by the bidders must be valid for a period of 150 days from the closing date.

24. PHYSICAL ADDRESS FOR SUBMISSION OF PROPOSALS

Proposals/Bids by bidders must be hand deposited into:

**Silver Tender Box,
Evridiki Towers,
Department of Economic Development, Environment and Tourism
19 Biccard Street
Polokwane**

25. LATE BIDS

Bids received after the closing date and time, at the address indicated in the bid documents, will not be accepted for consideration and where practicable, be returned unopened to the bidder.

26. BID ENQUIRIES

All enquiries regarding the bid may be directed to the following:

Technical Enquiries	Bidding Process
Mrs. Thivhafuni PO Deputy Director: Integrated Pollution and Waste Management Tel: (015) 293 7022 Cell: 079 499 4428 Email: ThivhafuniPO@ledet.gov.za	Ms. Letswalo MM Acting Deputy Director: Supply Chain Management Tel: (015) 293 8769 Cell: 082 802 4189 Email: LetswaloMM@ledet.gov.za