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<b>RFQ Number</b>	<b>ES-D&amp;D-20231201</b>
<b>Request for Quotation Date</b>	<b>2023-12-14</b>
<b>RFQ Closing Date</b>	<b>2023-01-20</b>
<b>RFQ Closing Time</b>	
<b>Compulsory Site Briefing</b>	<b>Not compulsory. However if more information is required, the site briefing can be arranged.</b>
<b>Contact Person</b>	<b>Lungelo.dlamini@necsa.co.za</b>
<b>Quotation Validity</b>	<b>30 Days from the closing date</b>
<b>Submission Details</b>	<b>RFQ Response must be sent to:</b> <b><a href="mailto:Catherine.Matima@necsa.co.za">Catherine.Matima@necsa.co.za</a></b>
<b>RFQ Description</b>	<b>To provide a compressed air survey in Lab 150 building V-H2 at Necsa as per the scope of work document (ENG-NWPVR-SOW-23002 Rev 02).</b>

Dear Service Provider

Kindly provide a quotation for goods and or services as outlined in section 2 of this document.

## 1. Introduction


The South African Nuclear Energy Corporation Limited (Necsa) is a state-owned public company (SOC), registered in terms of the Companies Act, (Act No. 61 of 1973), registration number 2000/003735/06.

The Necsa Group engages in commercial business mainly through its wholly-owned commercial subsidiaries: NTP Radioisotopes SOC Ltd (NTP), which is responsible for a range of radiation-based products and services for healthcare, life sciences and industry, and Pelchem SOC Ltd (Pelchem), which supplies fluorine and fluorine-based products. Both subsidiaries, together with their subsidiaries, supply local and global markets, earning valuable foreign exchange for South Africa and are among the best in their field in their respective world markets.

Necsa's safety, health, environment and quality policies provides for top management commitment to compliance with regulatory requirements of ISO 14001, OHSAS 18001 and RD 0034 (Quality and Safety Management Requirements for Nuclear Installations), ISO 9001 and ISO 17025.


Necsa promotes the science, technology and engineering expertise of South Africa and improves the public understanding of these through regular communications at various forums and outreach programmes to the community. We are a proudly South African company continuously striving, and succeeding in many respects, to be at the edge of science, technology and engineering related to the safe use of nuclear knowledge to improve our world.

For more information on Necsa, please visit: [www.necsa.co.za](http://www.necsa.co.za)

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## 2. Scope of Work

Item Description	Quantity
<p>The compressed air survey scope of work is as follows:</p> <p>1. Testing requirements</p> <p>The contractor shall perform the following test as part of this SOW:</p> <ul style="list-style-type: none"> <li>I. Specifying the compressed air quality in accordance with ISO8573-1:2010. When specifying the air purity, the standard must be referenced, followed by the purify class for each contaminant.</li> <li>II. Measuring the compressed air flow.</li> <li>III. Measuring the compressed air pressure.</li> <li>IV. The survey shall be conducted for a period of 60 minutes per day for three (3) consecutive days.</li> </ul> <p>2. Test results requirements</p> <p>The contract shall capture the results of the survey in a report format. The report shall include the results for all the tests performed at different dates. The report shall include (at minimum) the following:</p> <ul style="list-style-type: none"> <li>I. Air quality results, in accordance with ISO8573-1:2010. Measured solid particles must be report in units of <math>\mu\text{m}</math>. Measured pressure dew point must be report in units of <math>^{\circ}\text{C}</math>. Measured oil content must be report in units of <math>\text{mg}/\text{m}^3</math>.</li> <li>II. Measured air flow rate must be report in units of <math>\text{m}^3/\text{min}</math>. The report shall detail the average, minimum and maximum flow rate recorded during the measuring period.</li> <li>III. Measured air pressure must be report in units of bar (g). The report shall detail the average, minimum and maximum flow rate recorded during the measuring period.</li> <li>IV. The report shall also detail the equipment used to perform the tests associated with this SOW.</li> <li>V. The report shall detail any anomalies observed during the measuring period.</li> </ul> <p>3. Test equipment requirements</p> <ul style="list-style-type: none"> <li>I. The contract shall provide the relevant calibration certificate(s) for equipment used during the compressed air survey.</li> </ul>	1

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### 3. Pricing

- All price quoted to include all applicable taxes.
- Price must be fixed and firm
- Price should include additional cost elements such as freight, insurance until acceptance, duty where applicable, disbursements etc.
- Quotation must be completed in full, incomplete quote could result in a quote being disqualified.
- Payment will be according to Necsa's General Conditions of Purchase.

### 4. Evaluation

#### 4.1. Phase 1- Functionality Evaluation / Technical Evaluation

Where functional or technical evaluation criterion is applicable, assessment will be performed in terms of the criterion listed below and the criterion may include Technical, Performance, Quality and Risk.


If the Bidder's response to the Technical templates does not indicate that the Bidder can support an acceptable technical solution, the Bidder's response will be rejected and not evaluated further.

Together the Technical, Performance & Quality and Risk criteria make up the functionality criterion and a Bidder's Proposal will be evaluated for functionality out of a possible 100 points. Only RFQ responses achieving an evaluation score of greater than the set threshold points out of the possible 100 points and which score a number of points for functionality that is greater than or equal to the set threshold points of the number of points achieved by the highest scoring Bid for functionality will be selected to progress to the second stage.

#### 4.2. Phase 2 - Evaluation In Terms Of Preferential Procurement Policy Framework Act, 2022

This bid will be evaluated and adjudicated according to the 80/20 point system, in terms of which a maximum of 80 points will be awarded for price and 20 points will be allocated based on the specific goals (B-BBE status level).

	POINTS
PRICE	80
SPECIFIC GOALS ( B-BBEE status level)	20
Total points for Price and SPECIFIC GOALS	100

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## Preference goal

### B-BBEE status level contributor


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

## 5. Required Documentation


- Tax Clearance Certificate (Tax pin issued by SARS)
- Declaration of interest (SBD 4)
- BEE Certificate / Applicable Affidavit if classified as EME
- Letter of Good Standing (COID) only if Applicable due to the nature of work required
- Any other document or certification that might have been requested on this RFQ

## 6. Important

- 6.1. Quotation must be submitted on or before the RFQ closing date and time stated above.
- 6.2. Orders above R 30 000 will be evaluated according to the PPPFA 80/20-point system and a functionality scorecard where applicable and the ones above R 1 Million will be subjected to the tender process.
- 6.3. This RFQ is subjected to the Necsa's General Conditions of Purchase, Preferential Procurement Policy Framework Act 2000 and the Preferential Procurement Regulations, 2022, the General Conditions of Contract (GCC) and, if applicable, any other legislation or special conditions of contract
- 6.4. Failure on the part of a bidder to submit proof of B-BBEE Status level of contributor together with the bid, will be interpreted to mean that preference points for specific goals are not claimed.

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- 6.5. The purchaser reserves the right to require of a bidder, either before a bid is adjudicated or at any time subsequently, to substantiate any claim in regard to specific goals, in any manner required by the purchaser.
- 6.6. For a Bidder to obtain clarity on any matter arising from or referred to in this document, please refer queries, in writing, to the contact details provided above. Under no circumstances may any other employee within Necsa be approached for any information. Any such action might result in a disqualification of a response submitted in competition to this RFQ.
- 6.7. No goods and/or services should be delivered to Necsa without an official Necsa Purchase order.
- 6.8. Necsa reserves the right to; cancel or reject any quote and not to award the RFQ to the lowest Bidder or award parts of the RFQ to different Bidders, or not to award the RFQ at all.
- 6.9. The supplier shall under no circumstances offer, promise or make any gift, payment, loan, reward, inducement, benefit or other advantage, which may be construed as being made to solicit any favour, to any Necsa employee or its representatives. Such an act shall constitute a material breach of the Agreement and the Necsa shall be entitled to terminate the Agreement forthwith, without prejudice to any of its rights
- 6.10. By responding to this request, it shall be construed that: the bidder, hereby acknowledge to be fully conversant with the details and conditions set out in the Necsa's General Conditions of Purchase, Preferential Procurement Policy Framework Act 2000 and the Preferential Procurement Regulations, 2022, the General Conditions of Contract (GCC), Technical Information and Specifications attached, and hereby agree to supply, render services or perform works in accordance therewith.

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## EVALUATION CRITERIA

Description	Total		
	Points		
<ul style="list-style-type: none"> <li>Supplier has quoted according to RFQ.</li> </ul>	<b>50</b>	50	Supplier has quoted according to specification on the RFQ.
		0	Supplier cannot quote according to specification on the RFQ.
<ul style="list-style-type: none"> <li>Supplier agrees to 90days quote validity.</li> </ul>	<b>25</b>	25	Supplier agrees to 90 days quote validity.
		10	Supplier can only keep prices for 30 days.
		0	Supplier requires immediate payment.
<ul style="list-style-type: none"> <li>Number of years' experience as conduct the compressed air survey.</li> </ul>	<b>25</b>	25	More the 10 years' experience
		10	Less than 5 years' experience.
		5	2 years' experience
		0	No experience or not stipulated.





**Total 100**

### IMPORTANT

Supplier will need to score a minimum of 80 in order to be evaluated further to price and BEE.

Title	<b>Scope of work for compressed air survey at Lab 150 building V-H2</b>
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#### APPROVAL & DISTRIBUTION

	NAME	SIGNATURE & DATE
PREPARED	Mr. L.W.B Dlamini Process Engineer: Engineering Services	 07/12/2023 10:31:59(UTC+02:00) Signed by Lungelo Wesley Brandon Dlamini, lungelo.dlamini@necsa.co.za
Checked	Dr. K. Moodley Chief Process Engineer : Engineering Services	 07/12/2023 10:33:54(UTC+02:00) Signed by Kasuren Moodley, kasuren.moodley@necsa.co.za
Checked	Mr. A. Coetzer Scientist: Occupational Hygiene Technologist	 07/12/2023 10:35:17(UTC+02:00) Signed by Anton Adriaan Coetzer, anton.coetzer@necsa.co.za
Approved	Mr. V. Legoabe Head: Engineering & Projects	 12/12/2023 10:07:41(UTC+02:00) Signed by Vincent Legoabe, vincent.legoabe@necsa.co.za
Distribution	1. NLM Records    2. Mr. Hennie Venter 3. Dr. K. Moodley    4. Mr. L. Mogotlhong 5. Mr. V. Legoabe	

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## 1 INTRODUCTION

This document describes the scope of work (SOW) for the compressed air survey to be performed in Lab 150 V-H2 building in Necsa. The SOW details the work that the Contractor shall perform for Necsa and the contractor shall not deviate from this SOW without prior approval from Necsa.

## 2 SCOPE SUMMARY

Table 1 below provides the high-level framework of the work scope together with the responsibilities between the contractor and Necsa.

Work scope	Completion date	Contractor	Necsa
On-site compressed air survey. (Conducted for one hour per day for three consecutive days).	Within 5 working days from the date when the first survey is completed.	In scope	Participate and support
Compressed air survey report.	Within 5 working days from the date when the last survey is completed.	In scope	Acceptance of report

Table 1: High-level framework for the SOW.

## 3 REFERENCES AND ABBREVIATIONS

### 3.1 References

<b>This document refers to the following documents:</b>
[1] ISO 8573-1:2010, Compressed air – Part 1: contaminants and purity classes

### 3.2 Abbreviations

Abbreviation	Description
"	Inch
µm	Micrometer
bar (g)	Bar gauge
°C	Degrees Celsius
m <sup>3</sup> /min	Cubic meter per minute
mg/m <sup>3</sup>	Milligram per cubic meter
SOW	Scope of work

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## 4 DETAILED REQUIREMENTS

### 4.1 General requirements

#### 4.1.1 Documents to be submitted

All the documentation issued by the contractor shall clearly marked to indicated their status, e.g. for information, for review, approved version etc.

### 4.2 Compressed air survey requirements

#### 4.2.1 Testing requirements

The contractor shall perform the following test as part of this SOW:

- I. Specifying the compressed air quality in accordance with ISO8573-1:2010. When specifying the air purity, the standard must be referenced, followed by the purify class for each contaminant.
- II. Measuring the compressed air flow.
- III. Measuring the compressed air pressure.
- IV. The survey shall be conducted for a period of 60 minutes per day for three (3) consecutive days.

#### 4.2.2 Test results requirements

The contract shall capture the results of the survey in a report format. The report shall include the results for all the tests performed at different dates. The report shall include (at minimum) the following:

- I. Air quality results, in accordance with ISO8573-1:2010. Measured solid particles must be report in units of  $\mu\text{m}$ . Measured pressure dew point must be report in units of  $^{\circ}\text{C}$ . Measured oil content must be report in units of  $\text{mg}/\text{m}^3$ .
- II. Measured air flow rate must be report in units of  $\text{m}^3/\text{min}$ . The report shall detail the average, minimum and maximum flow rate recorded during the measuring period.
- III. Measured air pressure must be report in units of bar (g). The report shall detail the average, minimum and maximum flow rate recorded during the measuring period.
- IV. The report shall also detail the equipment used to perform the tests associated with this SOW.
- V. The report shall detail any anomalies observed during the measuring period.

#### 4.2.3 Test equipment requirements

- I. The contract shall provide the relevant calibration certificate(s) for equipment used during the compressed air survey.

### 4.3 Site information

The contractor is advised of the following, regarding the configuration of the site at which the tests shall be performed:

The compressed air is supplied to Lab 150 in a 2" galvanized carbon steel pipe. There are multiple threaded tie-in points available for connection on the 2" pipe. Should the contractor require more information to determine a compactible tie-in point for their specific equipment, arrangements can be made for the selected contractor to come on site for an inspection.

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## 5 REVISION HISTORY

This document has been revised in accordance with the following schedule:

Rev. No.	Date approved	Nature of Revision	Prepared
1.0	2023/12/07	First issue.	LWB Dlamini
2.0	See title page	Second revision, with the following changes: 1. Updated Table 1 on section 2 (on the completion date column). 2. Updated point IV of Section 4.2.1 to incorporate that the survey shall be conducted for three (3) consecutive days. 3. Addition of an Occupational Hygiene Technologist as a checker of this document.	LWB Dlamini