

	Request for Quotation Ground Penetration Radar (GPR) and Geophysical gravity survey	Doc. No	NLM-RFQ-25/001
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RFQ Number	NLM-RFQ-25/001
Request for Quotation Date	2025/01/27
RFQ Closing Date	2025/01/30
RFQ Closing Time	10:00am
Site Briefing (compulsory)	N/A
Contact Person	Catherine Matima: ✉ Catherine.matima@necsa.co.za
Quotation Validity	90 Days from the closing date
Submission Details	RFQ Response must be sent to: ✉ Catherine.matima@necsa.co.za
RFQ Description	Request for Quotation for providing Ground Penetration Radar (GPR) and Geophysical gravity survey services for detecting unknown objects in the ground

Dear Service Provider

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

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2. Request

Necsa hereby invites interested service providers/suppliers to submit quotations, proposals or bids, as appropriate, for the provision of goods and/or services as defined in section 3.

3. Scope of work

There are eight near-surface trenches which were used between 1970 and 1990 for the disposal of radioactive waste generated by Necsa and external waste generators. Some of the waste was contained in metal drums and some was loosely disposed. The location and dimensions (Table 1) of these trenches is known by Necsa as shown in *Table 1*. As part of on-going plans to rehabilitate the site, the trenches need to be fully characterised.

Table 1: Dimensions of the trenches

Trench No.	Length (m)	Width (m)	Depth (m)	Volume (m³)
Trench 1	30	9	3	810
Trench 2	30	9	3	810
Trench 3	39	10	4	1,560
Trench 4	33	20	4	2,640
Trench 5	30	20	6	3,600
Trench 6	31	12	4	1,488
Trench 7	40	25	7	7,000
Trench 8	30	30	4	3,600
Total				21,508

Necsa is seeking a service provider to survey the trenches using the Ground Penetrating Radar (GPR) and a Geophysical Gravity System (GGS) to locate the positions of objects buried in the trenches, variation in density and the subsurface geology.

NOTE: Quotations are only accepted from members who are professionally registered with SAGC or SACNASP as a Professional Surveyor and have more than 5 years' experience in this nature of work. At least one member of the team must be registered. Registration certificate to be provided as proof.

The results must be processed and presented in a report that outlines (as a minimum) the following:

- Precise identification of the objects in terms of depth and size
- High data quality
- Soil structure characterization
- Provide a 3D representation of the data in order for the location of objects both laterally and in depth.
- Raw data files must be provided as separate soft copy file.
- Data files must also be converted into .csv and .gps and .dxf
- Inspection depths should be a maximum of 10m depth below ground level for precise identification of object.

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- h. The service provider shall provide a list of equipment and instruments that shall be used for this survey. This must include the technical specification of the GPR equipment and Geophysical gravity survey equipment.
- i. A minimum of two CV's and maximum of three CVs must be provided with the response to this RFQ

4. Attachments

Ref #	DOCUMENT NAME	DESCRIPTION
1.	SBD4	Supplier Information

5. Pricing

- Use Table 2 to itemize your offer, taking into account the scope of work and associated deliverables.
- All price quoted to include all applicable taxes.
- Price must be fixed and firm.
- Price should include attendance cost for a compulsory 2 day statutory training at Necsa.
- 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 the submission being disqualified.
- Payment will be according to Necsa's General Conditions of Purchase.

Table 2: Costing

Ref #	Item description	Quantity	Unit Cost	Line Total
01	Preliminary and General (P&G)*	1		
02	2 Days Necsa Orientation	2		
03	Ground Penetrating Radar survey ^{&}	1		
04	Geophysical gravity survey ^{&}	1		
05	Reporting	1		
Sub Total (Excl.)				
VAT (15%)				
TOTAL (Incl.)				

* All items that cannot be itemised must be added under P&G

[&]Note that the service required is for 8 trenches

6. Evaluation

- Phase 1- Functionality Evaluation / Technical Evaluation (N/A)

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Item	Requirement	Weight	Points	Criteria
	Equipment The equipment to be used for the GPR must have the following Technical Specification: - Antena frequency Between 250 and 500 MHz - Maximum depth penetration = 10m - Connectivity for data transfere onsite (Wifi or USB-A, USB-B, USB-C) 3D mapping GIS Auto CAD output files The equipment to be used for the GGS must have the following Technical Specification: - At least 1 microGal reading resolution - GPS connectivity for position logging - Connectivity for data transfere onsite (Wifi or USB-A, USB-B, USB-C)	30	30 0	GPR instrument comply to the technical specification AND GGS instrument comply to the technical speification Only 1 equipment. / or Non.
Total		100	100	

IMPORTANT: A bidder/s that scores less than **80 points out of 100** in respect of functionality will be regarded as submitting a non-responsive bid and will be disqualified. On the other hand, should a bidder/s meet the minimum required percentage or minimum points, they will be evaluated as per Phase 2 evaluation outlined below.

• **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-BBEE status level).

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

Preference goal

B-BBEE status level contributor

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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

7. 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 (COIDA)

8. Important

- 8.1. Reference letters with contactable details from previous clients where similar surveys were conducted.
- 8.2. Provide a detailed methodology on how the surveys will be conducted.
- 8.3. The methodology will have to be endorsed by Necsa.
1. Due to the nature of the work to be performed, the selected bidder will be required to provide basic PPE (e.g. work-suits, gloves, safety shoes, hats, etc.) for all their employees. Necsa will supply specialized PPE.
2. Quotation must be submitted on or before the RFQ closing date and time stated above.

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3. Orders above R 30 000 will be evaluated according to the PPPFA 80/20-point system and a functionality scorecard where applicable and those above R 1 Million will be subjected to the tender process.
4. 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.
5. Failure on the part of a bidder to submit proof of B-BBEE Status level of contributor together with the bid, will be interpreted to mean that preference points for specific goals are not claimed.
6. The purchaser reserves the right to require of a bidder, either before a bid is adjudicated or at any time subsequently, to substantiate any claim in regard to specific goals, in any manner required by the purchaser.
7. 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.
8. No goods and/or services should be delivered to Necsa without an official Necsa Purchase order.
9. Necsa reserves the right to either 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.
10. 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 Agreement and Necsa shall be entitled to terminate the Agreement forthwith, without prejudice to any of its rights.
11. 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.

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.

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.

Full Name	Identity Number	Name of State institution

2.2 Do you, or any person connected with the bidder, have a relationship with any person who is employed by the procuring institution? **YES/NO**

2.2.1 If so, furnish particulars:

.....

2.3 Does the bidder or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest in the enterprise have any interest in any other related enterprise whether or not they are bidding for this contract? **YES/NO**

2.3.1 If so, furnish particulars:

.....

3 DECLARATION

I, _____ the _____ undersigned,
 (name)..... in
 submitting the accompanying bid, do hereby make the following
 statements that I certify to be true and complete in every respect:

- 3.1 I have read and I understand the contents of this disclosure;
- 3.2 I understand that the accompanying bid will be disqualified if this disclosure is found not to be true and complete in every respect;
- 3.3 The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However, communication between partners in a

- joint venture or consortium² will not be construed as collusive bidding.
- 3.4 In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications, prices, including methods, factors or formulas used to calculate prices, market allocation, the intention or decision to submit or not to submit the bid, bidding with the intention not to win the bid and conditions or delivery particulars of the products or services to which this bid invitation relates.
- 3.4 The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.
- 3.5 There have been no consultations, communications, agreements or arrangements made by the bidder with any official of the procuring institution in relation to this procurement process prior to and during the bidding process except to provide clarification on the bid submitted where so required by the institution; and the bidder was not involved in the drafting of the specifications or terms of reference for this bid.
- 3.6 I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

I CERTIFY THAT THE INFORMATION FURNISHED IN PARAGRAPHS 1, 2 and 3 ABOVE IS CORRECT.

I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS OF PARAGRAPH 6 OF PFMA SCM INSTRUCTION 03 OF 2021/22 ON PREVENTING AND COMBATING ABUSE IN THE SUPPLY CHAIN MANAGEMENT SYSTEM SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....
Signature

.....
Date

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.

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Position

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Name of bidder