	<h1 style="text-align: center;">Request for Quotation</h1> <h2 style="text-align: center;">Electromagnetic Location Survey for Detecting Unknown Objects in the Ground</h2>	Doc. No	NLM-RFQ-25/089
		Revision	0
		Page	1 of 4

RFQ Number	NLM-QUO-25/089
Request for Quotation Date	2025/07/23
RFQ Closing Date	2025/08/21
RFQ Closing Time	12:00
Site Briefing (compulsory)	2025/08/05 (10h00) Please send copy of ID before day of site briefing to Catherine Matima. Foreign nationals require security clearing which takes 7 days.
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 electromagnetic location 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

	<h1 style="text-align: center;">Request for Quotation</h1> <h2 style="text-align: center;">Electromagnetic Location Survey for Detecting Unknown Objects in the Ground</h2>	Doc. No	NLM-RFQ-25/089
		Revision	0
		Page	1 of 4

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 nine areas which were used for the disposal of waste generated by Necsa and external waste generators. Some of the waste was contained in metal drums and some was loosely disposed. The locations (known by Necsa) and dimensions of these areas are shown in Table 1. As part of on-going plans to rehabilitate the site, these areas need to be fully characterised.

Trench No	Length (m)	Width (m)	Depth (m)	Surface Area (m ²)
Trench 1	30	9	3	270
Trench 2	30	9	3	270
Trench 3	39	10	4	390
Trench 4	33	20	4	660
Trench 5	30	20	6	600
Trench 6	31	12	4	372
Trench 7	40	25	7	1000
Trench 8	30	30	4	900
Trench Mid 7/8	51	25	5	1275
TOTAL (surface Area)				5737 m²


Table 1: Dimensions of the nine areas

Necsa is seeking a service provider to survey the areas using electromagnetic methods to investigate subsurface conditions of these areas. This investigation must reveal information about the soil properties and the presence of buried objects and other subsurface features.

NOTE: Quotations are only accepted from individuals who are members of and are professionally affiliated to Engineering Council of South Africa (ECSA) or South African Institute for Engineering and Environmental Geologists (SAIEG) or South African Council for Natural Scientific Professions (SACNASP) or Electromagnetic Compatibility Society (EMC Society) and have more than 5 years' experience in this nature of work. At least one member of the team must be registered. Membership 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.
- 3D representation of the data in order for the location of objects both laterally and in depth.
- Inspection depths should be a maximum of 10m depth below ground level for precise identification of object.
- High quality data.
- Raw data files must be provided as separate soft copy file.

	<h1 style="text-align: center;">Request for Quotation</h1> <h2 style="text-align: center;">Electromagnetic Location Survey for Detecting Unknown Objects in the Ground</h2>	Doc. No	NLM-RFQ-25/089
		Revision	0
		Page	1 of 4


- f. Data files must also be converted into .csv and .gps and .dxf.
- g. The service provider shall provide a list of equipment that shall be used for this survey. This must include the technical specification of the electromagnetic survey equipment.
- h. A minimum of two CV's and maximum of three CVs must be provided with the response to this RFQ.
- i. Upon completing the survey of these areas and analysis of the collected data, the service provider will give a 1-on-1 presentation (MS Power Point) of the findings to the client.
- j. A report detailing all findings and recommendations will be prepared and submitted for acceptance by the client.

4. Attachments

Ref #	DOCUMENT NAME	DESCRIPTION
1.	Declaration of Interest	Bidder's Disclosure
2.	FBD-SCM-2017-FRM-0024-Rev 7	Request to register a supplier
3.	SBD1	Supplier Information

5. Pricing

- Use Table 2 to itemize your offer, taking into account the scope of work and associated deliverables (you may add additional items associated to the scope of work to the table).
- All price quoted to include all applicable taxes.
- Price must be fixed and firm.
- Price should include attendance cost for a compulsory 1 day orientation at Necsa.
- Price should include additional cost elements such as freight, insurance until acceptance, duty where applicable, disbursements etc. where applicable.
- 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.

	<h1 style="text-align: center;">Request for Quotation</h1> <h2 style="text-align: center;">Electromagnetic Location Survey for Detecting Unknown Objects in the Ground</h2>	Doc. No	NLM-RFQ-25/089
		Revision	0
		Page	1 of 4

Ref #	Item description	Quantity	Unit Cost	Line Total
01	Preliminary and General (P&G)*	1		
02	Necsa Orientation (maximum 3 individuals)	1		
03	Electromagnetic survey ^{&}	1		
04	Reporting (presentation and final report)	1		
Sub Total (Excl.)				
VAT (15%)				
TOTAL (Incl.)				

Table 2: Costing

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

[&]Note that the service required is for the nine areas


6. Evaluation

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


NB: The service provider must demonstrate that they are capable of executing the works by issuing method statement they will use in executing the works.

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.

	<h1>Request for Quotation</h1> <h2>Electromagnetic Location Survey for Detecting Unknown Objects in the Ground</h2>	Doc. No	NLM-RFQ-25/089
		Revision	0
		Page	1 of 4

Item	Requirement	Weight	Points	Criteria
1	Company experience: Experience of the company or individual in conducting similar projects undertaken or completed in the past ten (10) years. Provide reference letters/appointment letters/completion certificates or reference projects of completed projects. These projects should be in the electromagnetic/electromagnetism fields.	25	25	5 or more reference projects = 25 points 4 reference projects = 20 points 3 reference projects = 15 points 2 reference projects = 10 points 1 reference project = 5 points
2	Resources Experience and Qualifications Team leader experience in the execution of the scope of work as defined in section 3. Provide proof of qualification and CV's with contactable references. Minimum required qualification(s):- <ol style="list-style-type: none"> B.Eng Electrical engineering BSc. Physics and Mathematics MSc. Electromagnetic engineering <i>Offers not meeting minimum qualification requirements will be disqualified (provide proof of qualification(s)).</i> Professional membership with: South African Engineering Council of South Africa (ECSA); or Institute for Engineering and Environmental Geologists (SAIEG); or South African Council for Natural Scientific Professions (SACNASP); or Electromagnetic Compatibility Society (EMC Society)	50	35	11 or more years of experience = 35 points 6 to 10 years of experience = 20 points 5 and below years of experience = 0 points
			15	Proof of professional membership submitted = 15 points Proof of professional membership not submitted = 0 points

	<h1 style="text-align: center;">Request for Quotation</h1> <h2 style="text-align: center;">Electromagnetic Location Survey for Detecting Unknown Objects in the Ground</h2>	Doc. No	NLM-RFQ-25/089
		Revision	0
		Page	1 of 4


Item	Requirement	Weight	Points	Criteria
3	Provide details of Equipment/instruments to be used in the survey The equipment to be used must, as a minimum have/do the following: <ul style="list-style-type: none"> • Metal detector (ferrous and non-ferrous material) • Integratable with a GPS system • Provide high spacial resolution (at least 250mm) • Has detection depth of at least 10 meters 	25	25	Equipment complies to all provided requirements = 25 points Equipment complies to none of the provided requirements = 0 points
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

	<h1 style="text-align: center;">Request for Quotation</h1> <h2 style="text-align: center;">Electromagnetic Location Survey for Detecting Unknown Objects in the Ground</h2>	Doc. No	NLM-RFQ-25/089
		Revision	0
		Page	1 of 4

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

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.

	<h1 style="text-align: center;">Request for Quotation</h1>	Doc. No	NLM-RFQ-25/089
		Revision	0
	Electromagnetic Location Survey for Detecting Unknown Objects in the Ground	Page	1 of 4

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.