	<h1>Request for Quotation</h1>	Doc. No	DD/RFC/230526
		Revision	1
		Page	2 of 4

RFQ Number	DD/RFQ/230526
Request for Quotation Date	26/05/2023
RFQ Closing Date	09/06/2023
RFQ Closing Time	16:00
Compulsory Site Briefing	N/A
Contact Person	Tankiso Modise: Tankiso.modise@necsa.co.za 012 305 5734 082 938 1032.
Quotation Validity	90 Days from the closing date
Submission Details	RFQ Response must be sent to: Catherine.matima@necsa.co.za; Tankiso.modise@necsa.co.za
RFQ Description	Request for Quotation for Evaluating Conditioning Methods for Residual and Secondary Waste from ALGEL WASTE STREAM

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.

	<h1 style="text-align: center;">Request for Quotation</h1>		Doc. No	DD/RFC/230526
			Revision	1
			Page	2 of 4

For more information on Necsa, please visit: www.necsa.co.za

2. Scope of Work

Quotations are requested from service providers that have a proven track record as required in section 6 of this RFQ. The services are required immediately when the purchase order is made.

1. Evaluate draft report, and edit/add/remove literature information in Section 2 of the report: "Literature information on cement as immobilization method for secondary waste from U recovery" (35 hours)
2. Edit/add/remove information on Section 3.1 of the report: "Recommendations for experimental work on immobilization of secondary waste streams from U recovery process from AlGel: Undissolved residue: " Expand on the proposed experimental work, and add detail on the proposed cement formulations, experimental methods to prepare the cement samples, and characterization and testing of the prepared cement samples, taking into account knowledge of the available characterization and testing methods at Necsa. (35 hours)
3. Consultation sessions on the planned experimental work. (10 hours)
4. Evaluate draft report, and edit/add/remove information on Section 3.3 and 3.4 of the report: "Recommendations for experimental work on immobilization of secondary waste streams from U recovery process from AlGel: 3.3 "Raffinate from the solvent extraction process" and 3.4 "Organic phase from the solvent extraction process". Provide additional literature information and references for possible methods to treat these wastes, and expand on the proposed experimental work. Add detail on experimental work that should be performed on the raffinate, (i.e. neutralization and denitration and any other possible methods), and the organic TBP phase (i.e. alkaline hydrolysis and absorption on polymers and any other possible methods). Also include possible characterization methods of the solidified waste forms (prior to possible cementation), taking into account knowledge of the available characterization and testing methods at Necsa. (35 hours)
5. Consultation sessions on the planned experimental work. (5 hours)

3. Expected Deliverables

1. Evaluation report: cement as immobilization method
2. Recommendations for experimental work on immobilization of secondary waste
3. Evaluation report: Organic phase from the solvent extraction process


4. Minimum qualification requirements

Potential service providers will be eliminated if they fail to provide the following information;

- Proof of their qualifications

5. Pricing

- All price quoted to include all applicable taxes.
- Price must be fixed and firm

	<h1>Request for Quotation</h1>	Doc. No	DD/RFC/230526
		Revision	1
		Page	2 of 4

- 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.

Table 1: Pricing table with fixed hours for the proposed work

Ref #	Deliverable	Quantity (hours)	Rate / Hour	Line Total
01	Evaluation report: cement as immobilization method	35		
02	Recommendations for experimental work on immobilization of secondary waste	35		
03	Consultation on experimental design (cement formulations, experimental methods)	10		
04	Evaluation report: Organic phase from the solvent extraction process	30		
05	Consultation on experimental design (solvent extraction process)	10		
TOTAL				

Use Table 1 to provide your offer by indicating the rate per hour and calculate line and Total. Note that the quantity hours are predetermined and fixed.


6. Evaluation

• 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.

	<h1>Request for Quotation</h1>	Doc. No	DD/RFC/230526
		Revision	1
		Page	2 of 4


The following will be applicable for technical evaluation of this FRQ:

Ref #	Required Qualification Criteria	Score for Required Qualification Criteria	Score
01	Phd Chemistry or equivalent MSc Chemistry or equivalent BSc Chemistry or equivalent	If confirmed = 15 If confirmed = 5 If not = 0	
02	Understanding of waste management processes (Include your understanding in your proposal, backed up by work experience on the CV)	If confirmed = 10 score If not = 0	
03	Understanding of the development of waste immobilization processes (Include your understanding in your proposal, backed up by work experience on the CV)	If confirmed = 10 score If not = 0	
04	Working knowledge of the development of hydrometallurgical processes such as leaching, solvent extraction and/or ion exchange (Include your understanding in your proposal, backed up by work experience on the CV).	If confirmed = 10 score If not = 0	
05	Registration with SACNASP or equivalent	If confirmed = 5 score If not = 0	
06	Years of Experience (confirmed through references on the CV)	8 Years' and more = 50 6 to 7 Years' = 40 4 to 5 Years = 30 2 to 3 Years = 20 1 Year or less = 10	
		100	

1.

NB: Attach a **(MAXIMUM TWO PAGE)** CV and certified copies not older than 3 months for all qualifications and certifications

Note: 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. Should the relevant bidder/s meet the minimum required percentage or minimum points, they will be evaluated as per Phase 2 evaluation outlined below.

	<h1>Request for Quotation</h1>	Doc. No	DD/RFC/230526
		Revision	1
		Page	2 of 4

• **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

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 (COID) only if Applicable due to the nature of work required
- Any other document or certification that might have been requested on this RFQ

8. Important

	<h1>Request for Quotation</h1>		Doc. No	DD/RFC/230526
			Revision	1
			Page	2 of 4

- Quotation must be submitted on or before the RFQ closing date and time stated above.
- 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.
- 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
- 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.
- 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.
- 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.
- No goods and/or services should be delivered to Necsa without an official Necsa Purchase order.
- 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.
- 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
- 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