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RFQ Number	SAF-RFQ-0179 - Heat Exchangers Cleaning
Request for Quotation Date	22 July 2026
RFQ Closing Date	31 July 2026
RFQ Closing Time	10:00
Compulsory Site Briefing	29 July 2026 @10h00 <i>(Please confirm your attendance and submit a copy of each attendee's valid ID for site access arrangements by 28 July 2026)</i>
Contact Person	Name: Itumeleng Mathibe Contact Number: 012 305 5163 Email: Itumeleng.Mathibe@ntp.co.za
Quotation Validity	30 Days from the closing date
Submission Details	RFQ Response must be sent to: Itumeleng.Mathibe@ntp.co.za
RFQ Description	SAFARI-1 Heat Exchangers Cleaning

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.

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

2. **Scope of Work**

The Contractor shall provide all labour, supervision, specialist personnel, equipment, tools, consumables, chemicals, temporary services, transportation, and technical expertise necessary to perform the cleaning of the designated SAFARI-1 reactor pool and primary heat exchangers in accordance with this Scope of Work, the attached Specification RR-SPE-0053: Specification for SAFARI-1 Reactor Pool and Primary Heat Exchangers Cleaning, applicable statutory requirements, and NECSA procedures.

The objective of the work is to safely and effectively remove scale, fouling, corrosion products, sludge, and other deposits from the reactor pool and heat exchanger surfaces using the specified cleaning methods, while maintaining the integrity of the equipment and preventing damage to plant systems

2.1. **Planning and Preparation**

The Contractor shall:

- Review the provided technical documentation and familiarise themselves with the scope of work, equipment, and site conditions
- Submit a detailed Method Statement, Quality Control Plan (QCP), Risk Assessment, and all required SHEQ documentation for approval prior to commencing work.
- Provide Safety Data Sheets (SDS) for all chemicals and cleaning agents to be used.
- Ensure that all personnel performing the work are suitably trained, competent, and authorised.

2.2. **Equipment and Resources**

The Contractor shall supply all equipment, tools, consumables, and temporary services required to complete the work, including but not limited to:

- Cleaning chemicals and consumables.
- High-pressure water cleaning equipment.
- Pumps, tanks, temporary pipework, hoses, valves, fittings, and associated equipment.
- Monitoring and measuring equipment.
- Safety and spill control equipment.
- Any additional equipment required for the safe and effective execution of the work.

All equipment shall be fit for purpose and suitable for use in the intended application.

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2.3. Execution of Cleaning Activities

The Contractor shall:

- Perform the cleaning activities in accordance with the approved Method Statement and technical requirements.
- Establish and operate all temporary systems required to perform the cleaning activities.
- Execute the cleaning process in a controlled manner to ensure effective removal of deposits while preventing damage to the reactor pool and primary heat exchangers and associated equipment.
- Monitor and record relevant cleaning parameters throughout the execution of the work.
- Assess cleaning effectiveness and determine when the required cleaning condition has been achieved.
- Immediately notify NECSA of any abnormal conditions, including leaks, excessive corrosion, equipment damage, or conditions that may affect the integrity or operation of the equipment.

2.4. Waste Management

The Contractor shall be responsible for the safe handling, collection, transportation, and disposal of all waste generated during the cleaning activities.

This shall include, but not be limited to, spent cleaning solutions, rinse water, sludge, and contaminated consumables.

The Contractor shall submit to NECSA a waste management plan applicable to, spent cleaning solutions, rinse water, sludge, and contaminated consumables.

The Contractor shall ensure that all waste is disposed of in accordance with applicable environmental requirements and NECSA procedures. Disposal documentation shall be submitted as part of the completion documentation.

3. Technical Evaluation Criteria

MANDATORY REQUIREMENTS

Item	Requirement	Evaluation Method
1	Demonstrated experience in cleaning industrial heat exchangers and/or condensers. The bidder shall provide evidence of at least one (1) similar project completed, including client details and scope performed.	Pass/Fail

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NON-MANDATORY REQUIREMENTS

Item	Requirement	Weight	Points	Criteria
1	Methodology Proposed Cleaning Methodology and Work Execution Plan according to the Specification for SAFARI-1 Reactor Pool, and Primary Heat Exchangers Cleaning and In-service Inspection (See RR-SPE-0053 attached)	30	30	Methodology addressing cleaning sequence, chemical management, HP cleaning, equipment protection, process monitoring, risks, and contingency measures.
			15	Adequate methodology provided but lacking detail in some technical area
			0	No methodology submitted
2	Relevant Project Experience	40	40	Provide proof of (5) or more relevant reference with contact details of the clients (name of client, telephone number and/or email address)
			20	Provide proof of (3-4) or more relevant reference with contact details of the clients (name of client, telephone number and/or email address)
			10	Provide proof of (<3) relevant reference with contact details of the clients (name of client, telephone number and/or email address)
			0	No relevant references submitted
3	Equipment Equipment list showing available equipment to perform the scope as defined	15	15	Comprehensive list of equipment required for execution of the work, including cleaning equipment, high-pressure water jetting equipment, pumps, tanks, temporary pipework, monitoring equipment, chemical handling equipment, and waste handling equipment.
			0	Equipment list not provided or proposed equipment is insufficient to execute the required work.

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Item	Requirement	Weight	Points	Criteria
4	Project Plan Cleaning activities shall be completed within the allocated SAFARI-1 shutdown period (<i>From 31 August 2026 to 04 September 2026</i>)	15	15	Gantt chart or similar work programme demonstrating completion within the required shutdown window, including realistic durations for mobilisation, preparation, cleaning activities, inspection, restoration, and demobilisation.
			0	No Project Plan submitted
Total		100		

4. Pricing

The Contractor shall submit a completed Pricing Schedule/BOQ provided in this RFQ. The BOQ shall be completed in full and shall include all costs required to execute the complete scope of work.

The Contractor shall ensure that all activities, resources, equipment, consumables, and services required to complete the work are included in the applicable BOQ items. Any costs not specifically identified but required for successful completion of the scope shall be deemed included in the submitted pricing

The following requirements shall apply:

- All prices quoted shall include all applicable taxes.
- Prices shall be firm and fixed for the duration of the contract.
- Pricing shall include all associated costs, including but not limited to labour, supervision, equipment, chemicals, consumables, transportation, waste handling, disposal, and any other costs necessary to complete the work.
- The Contractor shall clearly identify any exclusions, assumptions, or deviations from the pricing schedule.
- The BOQ shall be completed in full. Incomplete pricing submissions may result in the quotation being considered non-responsive.
- **Payment shall be made in accordance with NECSA's General Conditions of Purchase. Payment will be effected within 30 days of receipt of a valid tax invoice and acceptance of services rendered**

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5. Evaluation

5.1. 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.

5.2. 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

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

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4	12
5	8
6	6
7	4
8	2
Non-compliant contributor	0

6. 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

7. Important

- 7.1. Quotation must be submitted on or before the RFQ closing date and time stated above.
- 7.2. 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.
- 7.3. 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
- 7.4. 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.
- 7.5. 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.
- 7.6. 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.
- 7.7. No goods and/or services should be delivered to Necsa without an official Necsa Purchase order.

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- 7.8. 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.
- 7.9. 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
- 7.10. 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