

	Request for Quotation	Doc. No	NLM-QUO-25/101
		Revision	1
		Page	1 of 4

RFQ Number	NLM-QUO-25/157
Request for Quotation Date	07 October 2025
RFQ Closing Date	24 October 2025
RFQ Closing Time	12:00
Compulsory Site Briefing	Not compulsory but if more information required can be arranged
Contact Person	Thulile Sokhela
Quotation Validity	20 Days from the closing date
Submission Details	RFQ Response must be sent to: thulile.sokhela@ntp.co.za
RFQ Description	To supply Positive Displacement (Diaphragm) Pumps as per the attached Specification Sheets

Dear Service Provider

Kindly provide a quotation for goods and or services as outlined in section 3 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

	Request for Quotation		Doc. No	NLM-QUO-25/101
			Revision	1
			Page	1 of 4

2. Background

Necsa plans to establish a plasma gasification demonstration facility in a laboratory on-site to volumetrically reduce uranium-contaminated waste oil. The oil feed system that services the facility is reflected in the attached Piping and Instrumentation Diagram (P&ID) [04]. Three positive displacement pumps are utilized in the system, as follows:

- One air-operated double-diaphragm pump, P1004, to transfer uranium-contaminated waste oil from the waste oil IBC, T1008, into the waste oil storage and feed tank, T1001, at a rate of 0.42 m³/h. The oil is transferred on a batch basis only, with a single batch containing approximately 500 L of oil. In total, three batches of oil are transferred in this manner, however, transfer takes place only after the preceding batch is first processed in a downstream plasma gasification reactor. In addition, pump P1004 is always operated with the rest of the oil feed system remaining idle. Details of pump, P1004, are given in the attached Specification Sheet [02].
- One air-operated double-diaphragm pump, P1010, to circulate the contents of the waste oil storage and feed tank, T1001, through a closed loop to create a homogeneous mixture in the tank, before the oil is processed in the plasma gasification reactor. The oil is circulated at a rate of 0.85 m³/h for up to 8 h per day. Circulation in this manner continues whilst oil is drawn from the tank using pump, P1002 (described below). Details of pump, P1010, are given in the attached Specification Sheet [03].
- One electrically-operated single diaphragm pump, P1002, to transfer the contents of the waste oil storage and feed tank, T1001, into the downstream plasma gasification reactor for processing. The oil is transferred at a rate of approximately 10 L/h for up to 6 h per day. Details of pump, P1002, are given in the attached Specification Sheet [01].

The same oil is handled by all three pumps and its composition is given in the Specification Sheets.

	Request for Quotation	Doc. No	NLM-QUO-25/101
		Revision	1
		Page	1 of 4

3. Scope of Work

Item Description	Quantity
To supply and deliver to the NECSA site the Positive Displacement (Diaphragm) Pumps, P1002, P1004 and P1010, as per the attached Specification Sheets [01], [02] and [03], respectively. NOTES: 1. The required air-supply pressure regulators, complete with pressure gauges, must be supplied with the two pneumatic pumps, P1004 and P1010. 2. The moving parts of the pneumatic sections of pumps, P1004 and P1010, must not need lubrication. 3. Air supply for the pneumatic pumps is available on-site at a maximum pressure of 5.2 bar(g), with a minimum air quality of ISO 8573-1:2010 [3:4:1]. 4. Pump P1002 must be able to communicate with a PLC. 5. All other equipment and components identified in Section 2 and/or shown in the P&ID [04] are outside the scope of work considered here.	3

4. Attachments

Ref #	DOCUMENT NAME	DESCRIPTION
01	ENS-OWPVR-SPE-25005, Rev. 1	Diaphragm Pump P1002 Specification Sheet
02	ENS-OWPVR-SPE-25003, Rev. 2	Diaphragm Pump P1004 Specification Sheet
03	ENS-OWPVR-SPE-25004, Rev. 2	Diaphragm Pump P1010 Specification Sheet
04	ENS-OWPVR-PID-24002, Rev. 6	Uranium Contaminated Waste Oil Plasma Gasification P&ID – Waste Oil Feed System

	Request for Quotation		Doc. No	NLM-QUO-25/101
			Revision	1
			Page	1 of 4

5. Pricing

- All price quoted to include all applicable taxes.
- Price must be fixed and firm.
- Price should include additional cost elements such as freight, delivery to site, 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.

6. Evaluation

6.1. 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.

	Request for Quotation	Doc. No	NLM-QUO-25/101
		Revision	1
		Page	1 of 4

The quotations will be evaluated according to the following selection criteria (based on information requested above):

Item	Requirement	Weight	Points	Criteria
1	ISO 9001: 2015 (or latest) accredited Supplier must provide evidence (ISO 9001 certificate)	25	25	ISO 9001 accreditation of supplier of the required products. OR ISO 9001 accreditation of OEM and OEM letter listing local supplier as authorised supplier and service agent
2	Supplier must provide letter referencing after sales service and maintenance NOTE: If supplier has a service and repair workshop, but is not the OEM, then an OEM letter is required, listing the local supplier as an authorized service agent for the product in South Africa.	25	25	Supplier having a service and repair workshop Supplier holds critical spares as stock items
			15	Supplier having a service and repair workshop
			10	Supplier outsources service and repair
3	Supplier lead-time Supplier must specify lead-time	25	25	Product available within 4 weeks of issue of Purchase Order
			15	Product available within 6 weeks of issue of Purchase Order
			10	Product available within 8 weeks of issue of Purchase Order
4	Suitability of Product Supplier must provide details of the make and model, as well as datasheets and performance curves for each of the recommended pumps.	25	25	Supplier adequately demonstrates how the recommended product meets the user's requirements or specifications sheet [01], [02] and [03]
Total		100		

Note: Bidders that score <80 out of 100 in respect of Technical/Functional evaluation criteria will be regarded as submitting a non-responsive bid and will not be evaluated further.

	Request for Quotation	Doc. No	NLM-QUO-25/101
		Revision	1
		Page	1 of 4

6.2. **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
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

	Request for Quotation		Doc. No	NLM-QUO-25/101
			Revision	1
			Page	1 of 4

- Any other document or certification that might have been requested on this RFQ

8. Important

- 8.1. Quotation must be submitted on or before the RFQ closing date and time stated above.
- 8.2. 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.
- 8.3. 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.
- 8.4. 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.
- 8.5. 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.
- 8.6. 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.
- 8.7. No goods and/or services should be delivered to Necsa without an official Necsa Purchase order.
- 8.8. 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.
- 8.9. 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

	Request for Quotation	Doc. No	NLM-QUO-25/101
		Revision	1
		Page	1 of 4

- 8.10. 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.