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RFQ Number	NLM-EXT-26/001
Request for Quotation Date	2026/08/26
RFQ Closing Date	2026/08/31
RFQ Closing Time	10:00am
Compulsory Site Briefing	None
Contact Person	Catherine.matima@necsa.co.za
Quotation Validity	30 Days from the closing date
Submission Details	RFQ Response must be sent to: catherine.matima@necsa.co.za
RFQ Description	Provision of practical and on-the-job training for furnace operators at the Necsa Smelter Plant, Area 26, covering the safe and effective operation of the 125 kg/100 kW Coreless Induction Furnace, two 4-ton induction furnaces and associated plant subsystems. Training shall include supervised hands-on operation, process control, safety and emergency response, basic operational troubleshooting, competency assessment and training records. The detailed Scope of Work for Practical/On-the-Job Training (Document No. NLM-URT-26/001, Rev. 00) is attached to and forms part of this RFQ.

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 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

1 Scope of Work

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1.1 Scope of Services

Necsa requires a suitably qualified and experienced training service provider to conduct practical and on-the-job training for furnace operators at the Smelter Plant, Area 26. The training shall use actual plant equipment and systems where operationally and safely practicable and shall be aligned with Necsa-approved operating procedures, safety requirements and applicable regulatory requirements.

1.2 Equipment and Systems

The training shall cover, as applicable, the 125 kg/100 kW Coreless Induction Furnace, two 4-ton induction furnaces and associated plant subsystems, including power supply, cooling water systems, emergency cooling water system, off-gas system, refractory lining, charge material preparation, casting system, ladle handling, sampling and de-slagging activities.

1.3 Practical Training Requirements

The training shall include, but not be limited to:

- Furnace preparation and pre-operational inspections.
- Charge material preparation, selection and loading.
- Furnace refractory condition monitoring and sintering.
- Furnace start-up, operation, process control and shutdown.
- Monitoring and recording of furnace power, temperature and other operating parameters.
- Molten metal temperature measurement, tapping and casting.
- Slag management, de-slagging, sampling and sample preparation.
- Operation and monitoring of cooling water, emergency cooling water and off-gas systems.
- Identification of abnormal operating conditions and appropriate first-line actions.
- Emergency start/stop and response to furnace and plant emergencies.
- Safe handling of molten metal and application of approved SOPs/work instructions.
- Production data recording, operational reporting and housekeeping.
- Basic operational maintenance activities within the operator's authorised responsibilities.

1.4 Safety, SHEQ and Compliance

Practical training shall include application of pre-task risk assessments, toolbox talks, isolation and tag-in/tag-out requirements, PPE/PPC, electrical and arc-flash safety, high-energy work controls, molten-metal safety, cooling-water and off-gas safety, fire prevention, emergency response, environmental requirements, radiological safety requirements, incident/near-miss reporting and emergency evacuation and communication procedures.

1.5 Maintenance Awareness and Troubleshooting

Operators shall be trained to identify abnormal equipment conditions, common furnace operational problems, potential coil-related failures, refractory deterioration, cooling-water leaks/failures, off-gas problems and abnormal electrical/instrumentation conditions. Training shall cover appropriate first-line actions, safe isolation and escalation of faults to

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maintenance personnel. Maintenance work outside the operator's authorised role shall not be performed.

1.6 Training Methodology

The service provider shall use a practical, competency-based methodology comprising trainer demonstrations, supervised hands-on practice, on-the-job coaching, normal/abnormal operating exercises, emergency exercises where safe and practicable, troubleshooting exercises and individual competency assessments. The service provider shall submit a detailed training plan and schedule for Necsa approval before training starts.

1.7 Deliverables

The service provider shall provide:

- Detailed training plan and programme.
- Training manuals, practical guides, checklists and assessment tools.
- Supervised practical training for all nominated operators.
- Individual competency assessment for each operator.
- Individual competency portfolios and attendance records.
- Competency certificates for operators who meet the required competency standards.
- Final training report containing training activities, attendance, practical activities completed, assessment results, competency status, competency gaps, additional training/reassessment, observations and recommendations.

1.8 Trainer Requirements

Trainers shall be suitably qualified and experienced in Coreless Induction Furnace and smelter operations, practical operator training, metallurgy and furnace chemistry, furnace electrical systems and controls, instrumentation/process monitoring, mechanical systems, refractory/lining condition monitoring, troubleshooting, furnace safety and competency-based assessment. The bidder shall submit trainer CVs and evidence of relevant qualifications and experience **(See attached evaluation criteria below)**

1.9 Training Duration and Schedule

The bidder shall propose the overall training duration, number and duration of sessions, balance between theory, demonstration and practical training, sequence of activities, number of operators per session, equipment/systems covered, competency assessment activities and proposed completion date. The schedule shall be subject to Necsa review and approval.

1.10 2.10 Reference Document

The bidder shall use the attached Necsa Scope of Work for Practical/On-the-Job Training, Document No. **NLM-URT-26/001**, Rev. 00, as the detailed technical basis for the services. In the event of any ambiguity or omission, the bidder shall raise the matter in writing with the Necsa contact person before submitting the quotation.

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2. Pricing

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

3. Evaluation

3.1. 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.

IMPORTANT

Bidders that score <80 out of a 100 in respect of Evaluation Criteria will be regarded as submitting a non-responsive bid and will not be evaluated further.

3.2. 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).

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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

4. 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

5. Important

- 5.1. Quotation must be submitted on or before the RFQ closing date and time stated above.
- 5.2. 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.
- 5.3. 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
- 5.4. 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.

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- 5.5. 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.
- 5.6. 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.
- 5.7. No goods and/or services should be delivered to Necsa without an official Necsa Purchase order.
- 5.8. 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.
- 5.9. 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
- 5.10. 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