

	<b>Request for Information (RFI)</b>	<b>Document Identifier</b>	240-72663051	<b>Rev</b>	4	
		<b>Effective Date</b>	17 June 2025			
		<b>Review Date</b>	June 2030			
		<b>RFI Number</b>	E2560GXNOU			

<b>PART A REQUEST FOR AN EXPRESSION OF INTEREST (EOREQUEST FOR INFORMATION (RFI))</b>	
<b>Description of the works/goods/services</b>	<p><b><u>E2560GXNOU : UPGRADE OF THE RADWASTE TRACKING PROGRAM (RTP) SOFTWARE</u></b></p> <p><b><u>Existing Design</u></b></p> <p>Radwaste produced and processed at Koeberg Nuclear Power Station (KNPS) for shipment to Vaalputs must comply to the National Nuclear Regulator (NNR), Vaalputs Waste Acceptance Criteria (WAC) and International Atomic Energy Agency (IAEA) regulations. The existing Radwaste Tracking Program (RTP) is used for managing the activities associated with the drumming intermediate storage and shipment of all radiological waste packages on-site at Koeberg Nuclear Power Station (KNPS).</p> <p>The RTP system:</p> <ol style="list-style-type: none"> <li>a) Calculates radioactivity inside waste packages using NNR approved methodologies to determine compliance with the shipment regulations and the waste acceptance criteria.</li> <li>b) Comprises a solid waste inventory management system.</li> <li>c) Maintains historical survey records of waste packages.</li> </ol> <p>The system interfaces with:</p> <ol style="list-style-type: none"> <li>a) Laboratory Information Management System (LIMS)</li> <li>b) Chemistry Access Database</li> </ol> <p><b><u>Problems with Existing Design</u></b></p> <ol style="list-style-type: none"> <li>a) The existing RTP setup is not user-friendly. Simple actions such as editing, extraction or consolidation of data etc. for shipments can only be performed through source code manipulation (GA 41287 refers). Operating Experience (OE) suggests that these shortcomings were identified as early as 2014 however, the project initiated to correct these problems did not materialize due to contractual issues during development. The work-around practices implemented to-date have resulted in numerous issues as illustrated in CR 142501 and QA Surveillance Report S209.</li> <li>b) The Limited Scope Studies (Report No. ASC 1004G) allows Koeberg to demonstrate compliance with the derived limits using the alternative LLW definition to. This will result in the availability of more waste packages for shipment to Vaalputs. However, RTP is currently not configured for use of this alternative LLW criterion.</li> </ol>

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- c) Shipment of steel waste packages consisting of NCW immobilised in polyurethane as documented in TR-006-2022, requires RTP to be modified accordingly.

### **Design Change**

The design requirements are based on improving performance / capabilities and eliminating the current obsolescence issue from the existing RTP system, The functionality is primarily the same as the current system. Attached URS with Unique Identifier RP-2025-006 refers.

- a) The new system shall perform the same functions as the existing system, with improvements and additional functionality as described in this specification.
- b) The new system shall be configured for as a minimum for shipment of concrete and steel drum waste packages (as documented in TR-006-2022).
- c) The new system shall have the capability to add additional types of packages should the need arise.
- d) The new system shall be configured to demonstrate compliance with the derived limits using alternative definition of Low-Level Waste (LLW) in terms of the intrusion dose criterion (Limited Scope Study Report No. ASC 1004G refers). All calculations related to the Vaalputs WAC, and LSA II limit, using correct mass, shall be included in the functionality.
- e) The user interface of the new system shall be improved to acceptable levels and functionality. See GA 41287, CR 142501, and QA Surveillance S209 for more information regarding issues with the existing RTP system.
- f) The new system shall be enhanced to reduce the potential for human errors as illustrated in CR 142501 and QA Surveillance S209 refers.
- g) Only the administrator role shall have elevated privileges on the operating system of the of the workstation and other infrastructure.

### **Scope of Supply**

The attached User Requirement Specification (URS), document identifier RP-2025-006, describes the client requirements with respect to the upgrade of the existing Radwaste Tracking Program (RTP). It is intended to describe the functional and technical requirements for the design, supply of material, manufacturing, delivery, removal, and disposal of existing, installation, testing and commissioning of the system change.

The scope comprises the following:

- a) A detailed design document according to the template supplied by Eskom's Engineering Department,
- b) Supply of material,
- c) Delivery to Koeberg Nuclear Power Station,

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- d) Removal of existing software and/or equipment,
- e) Installation of new software and/or equipment,
- f) Testing and commissioning of the modified system and/or equipment,
- g) Interfacing requirements i.e., design, configuration, and installation of the RTP system ready for interfacing. This includes but not limited to physical changes, cabling, hardware, programming, testing and commissioning associated with providing such interface,
- h) Disposal of existing equipment,
- i) All documents and document updates as required by this specification,
- j) Qualification Documentation (e.g., test reports)
- k) Providing support during National Nuclear Regulator (NNR) activities,
- l) Training requirements for the station.

Based on the considerations provided above; the following information is required:

**a) Indicative Pricing with maximum local content and localisation opportunities for the following scope deliverables:**

- Resource/ Manpower costs:
  - Detail Design. The Contractor shall provide a detailed design for the RTP System at KNPS, in accordance with all requirements of the applicable nuclear industry regulations stipulated in the attached URS RP-2025-006.
  - Providing support for regulatory approval (resolution of regulator review comments).
  - Factory and site acceptance testing.
  - Supply and delivery of the associated software/equipment to KNPS.
  - The identification, dismantling and removal of the obsolete or existing software/equipment, if required.
  - Procurement of the associated installation hardware, including Preliminaries and General and all site costs.
  - The Contractor is responsible for the successful installation of the new RTP system.
  - The Contractor is responsible for the successful testing and commissioning of the new RTP system.
  - The Contractor shall supply all special tools, equipment or software required for use on the proposed upgraded RTP System.
  - Compile and submit all revised and new documents required for the upgraded RTP system e.g., design, training, user, and maintenance manuals etc.

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	<ul style="list-style-type: none"> <li>○ The Contractor shall supply all qualification documents (e.g., test reports)</li> <li>○ The Contractor shall provide training to KNPS personnel.</li> <li>○ Other</li> <li>• <u>Materials:</u> <ul style="list-style-type: none"> <li>○ Manufacturing, procurement, and supply of all software and hardware</li> <li>○ Other</li> </ul> </li> <li>• <u>Transport and storage:</u> <ul style="list-style-type: none"> <li>○ Delivery to Koeberg Nuclear Power Station</li> <li>○ Safe storage of equipment until installation</li> </ul> </li> </ul> <p><b>b) With associated lead times for:</b></p> <ul style="list-style-type: none"> <li>• Detail Design for the new RTP System at KNPS</li> <li>• Software development lead times</li> <li>• Software and equipment delivery to Koeberg Nuclear Power Station</li> <li>• Installation of the new RTP system</li> <li>• Testing and Commissioning of the new RTP system</li> <li>• Removal and disposal of existing equipment and material, if required.</li> <li>• Operator and Maintenance training.</li> <li>• Any engineering studies associated with providing the scope of works</li> <li>• All documents and document updates as required by URS RP-2025-006.</li> </ul>		
<b>Deadline for submission</b>	<b>31 March 2026</b>	<b>At (South African Standard Time)</b>	<b>10:00 AM</b>
<b>Tender Office address</b>	Tenders are uploaded via Eskom Tender bulletin site on the Eskom E- tendering page. <a href="https://etendering.eskom.co.za">https://etendering.eskom.co.za</a>		
<b>RFI are to be submitted electronically via Eskom E- tendering site by the stipulated closing date and time.</b>  <i>Please note it is the responsibility of the supplier to ensure that EO/RFI submission is submitted before the closing date and time</i>	<a href="https://etendering.eskom.co.za">https://etendering.eskom.co.za</a>		
<b>Electronic Submission of RFI</b>	The tenderer must upload the tender via Eskom Tender bulletin site on the Eskom E- tendering page.		

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	<p>All documents need to be submitted in a PDF and Excel format (The upload size per document is 500 megabytes and total submission is restricted to 4 gigabyte).</p> <p>No Zip/condense files can be uploaded No hard copy will be accepted</p> <p>If for some reason you resubmit your EOI, then the latest version of the EOI submitted will only be accepted and all previous submission/s will be null and void.</p> <p>Please ensure that the submission status is indicated as complete.</p> <p>Supplier Help Manual guide and video can be found on Eskom E-Tendering page</p>
E-tendering Help Manual for supplier	<b>Annexure A:</b> See attached for Assistance

Eskom Holdings SOC Ltd (“Eskom”) invites you to submit an:

**Request for information (RFI)** to submit information for the works/goods/services as stated in the table. This RFI is a stand-alone information-gathering and market-testing exercise, intended only to inform and assist Eskom’s further deliberation and development of a strategy for software project RP-2025-006: **For Upgrade of the Radwaste Tracking Program (RTP)**. Eskom may request indicative prices if so stated in this RFI.

Eskom has delegated the responsibility for this RFI to the signatory of this document, whose details can be found below. Queries relating to this RFI document may be addressed to:

The Eskom Representative Name: Andiswa Ziliso Tel no: 021 552 3818 E-mail: [Zilisoae@eskom.co.za](mailto:Zilisoae@eskom.co.za)

We look forward to receipt of your response.

Yours faithfully

We look forward to receipt of your response.

Yours faithfully

Name	Designation	Signature	Date
Andiswa Ziliso	Procurement Officer		
<b>Telephone number</b>	021 552 3818	<b>Fax and/or e-mail address</b>	Zilisoae@eskom.co.za

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PART B RESPONSE SHEET IN TERMS OF A REQUEST FOR INFORMATION To be completed by the supplier			
To	Eskom Holdings SOC Ltd	Date	
Attention			
Tel no		Fax no and /or e-mail address	
From		Address	
Address			
Sender			
Description of the works/goods/services	E2560GXNOU : UPGRADE OF THE RADWASTE TRACKING PROGRAM (RTP) SOFTWARE		

Please find below our response to Eskom's questions:

No.	Question	Please indicate your response in this column
1.	[your contact name and contact details]	
2.	[Company registration number]	
3.	[brief description of previous experience and Description of the solution that you can offer]	
4.	Indicative prices (optional and only for use of RFI's)	
5.	[ Add applicable questions]	

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Yours faithfully

Name	Designation	Signature	Date
George Patiwe	Manager Procurement (Acting)		2026-02-20
Telephone number		Fax and/or e-mail address	

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