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		Review Date	September 2022		
		EOI/RFI No.	CORP 5618		

PART A REQUEST FOR INFORMATION(RFI)			
Description of the works/goods/services	<p><i>Determine technology options available in the market, as well as associated indicative costing and timelines for Replacement of the Data Integration and Replication Solution.</i></p> <p><i>Migration of the existing replication services and five (5) year support and maintenance for the replacement solution.</i></p>		
Deadline for submission	18 November 2021	At (South African Standard Time)	10:00am
Tender Office address	<p>Eskom Megawatt Park Tender Office Northside No 1 Maxwell Drive Sunninghill</p>		


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 the Replacement of the Data Integration and Replication Solution.
- Eskom aims to obtain indicative prices, timelines as well as information regarding the different solutions offered by the market.
- Respondents are required to provide documentation detailing their different offerings especially around functionality, Pricing and requirements in order to assist Eskom.
- Only Suppliers who responded and shown ability to offer the required services will be invited to respond to the enquiry process that will follow this request unless otherwise approved in the strategy.

Eskom has delegated the responsibility for this **RFI** to the signatory of this document, whose details can be found below.

We look forward to receipt of your response.


Yours faithfully

Name	Designation	Signature	Date
Nothukela Sereo	Procurement Manager		21 Oct 2021
Telephone number		Fax and/or e-mail address	sereonl@eskom.co.za

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PART B REQUEST FOR INFORMATION To be completed by the supplier			
To	Eskom Holdings SOC Ltd	Date	
Attention	Tamara Mda		
Tel no		Fax no and /or e-mail address	
From		Address	
Address			
Sender			
Description of the works/goods/services	Determine technology options available in the market, as well as associated indicative costing and timelines for: <ul style="list-style-type: none"> • Replacement of the Data Integration and Replication Solution. • Migration of the existing Replication services • Five (5) year support and maintenance for the replacement Solution 		

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 (only for use of RFI)	
5.	Central Supplier Data Base	


Yours faithfully

Name	Designation	Signature	Date
Telephone number		Fax and/or e-mail	

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		address	
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Section C

1. INTRODUCTION

Eskom Holdings SOC Limited (“Eskom”) – Request for information for the Software that will ensure Eskom Group IT has a stable, robust, supported and maintained Data Integration and Replication Solution that will successfully Integrate and Replicate data in different modes, including near-real time, from the source systems to the Data Lake/Warehouse.

2. BACKGROUND

The Group IT Analytics CoE delivers a Business Intelligence and reporting service that is customer-centric, cost effective and of high quality. For the CoE to achieve and address the Organisation’s need with regards to advanced analytics and agility, it is mandatory to have fast access to insight and to have the ability to quickly respond to rapidly evolving analytic requirements.

To be able to deliver on the above goals, a data lake was established with a copy of the source systems data in near real time. This allows business users to get a view of current operations without impacting the normal business process.

Market shift and recent developments in the Open Source, proprietary database technology as well as high scalability available on other DBMS, have presented an opportunity and potential DBMS offerings that may be appropriate to the Eskom environment. These developments and changes in the DBMS landscape necessitate the need to investigate and acquire alternative solutions in the Data Integration space.

This Request for Information is to inform a strategy for the replacement of the existing solution, migration of the existing services and 5-year Support and Maintenance of the replacement products after the go-live of the full Data Integration services.


3. SCOPE OF WORK/ BUSINESS REQUIREMENTS

The scope for this RFI is to request for different options and information around the Replacement and Migration of the existing solutions and 5-year Support and Maintenance.

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The respondents are to confirm with evidence that they can provide the following scope of work and provide indicative costing and timelines for each of the scope items listed below:

3.1 Describe how the data integration engine of the solution can meet the following core functionalities:

- Ability to connect to and extract data from a wide range of structured and unstructured data sources.
- Perform basic (e.g., data type conversions, string manipulations and calculations) to complex (e.g., sophisticated parsing operations on free-form text and rich media) data migrations, conversions, and transformations.
- Support for different modes of interaction with data sources and data structure, including bulk/batch and granular trickle-feed acquisition and delivery, identify and extract modified data, and event-based acquisition (time-based or data-value-based)

3.2 Describe the ability of the solution to provide data to consuming applications, processes, and databases in the following modes:

- Physical bulk/batch data movement between data repositories (ETL or ELT).
- Federated/virtualized views formulated in-memory
- Message-oriented movement via encapsulation
- Replication of data between homogeneous or heterogeneous DBMSs and schemas
- Support for the delivery of data across the range of latency requirements


3.3 Describe the ability of the solution to integrate with the following Data Base Management System (DBMS) technologies.

DBMS technologies	DBMS as Source	DBMS as Target
Oracle		
DB2		
MS SQL		
PostgreSQL		
SAP HANA		

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MongoDB		
Cassandra		
MariaDB		
Neo4j DBMS		
IBM Netezza		
PostGIS		
InfluxDB		
Kdb+		

3.4 Deployment options

- Vendor to provide costing that caters for the different deployment options: On-premise vs SaaS vs Hybrid

3.5 TRAINING/TRANSFER OF SKILLS

- Training and skill transfer is required for the Eskom Development, Database, Application Technical Support and Functional Support teams who need to be developed and be skilled within, to be able to continue with on-going changes and updates of the Solutions in support of on-going business requirements and changes.
- Develop training material and support material. Train Eskom Development, Database, Application Technical Support and Support teams and ensure sufficient knowledge transfer
- The requirement for training will be at all 3 Eskom levels of application support, 1st line support, 2nd line and 3rd line of support and developers, including the Application Technical Support and Database Support.


3.6 Indicative cost:

- Provide pricing models as well as your standard contractual terms and conditions for purchasing your products or services using the following scenario:
 - Source DBMS
 - 10 vCPU
 - 10 TB
 - 100 Tables

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- 10 000 transactions per 24-hour cycle
- Target DBMS
 - 20 vCPU

Component	Costs	Comments
Software license costs		
Implementation costs		
Migration costs		
Training costs		
Other related costs		

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4. SUBMISSION GUIDELINES

To ensure the receipt of communication with regard to this request for information process, kindly complete Appendix A – Acknowledgement Form and return it by email as indicated on the form within 3 days of receiving this Invitation.

5. METHOD OF DELIVERY

The RFI submissions must be sealed and delivered at the Tender Office Box located at the following address:

Eskom Holdings SOC Limited,
Megawatt Park, North side
1 Maxwell Drive, Sunninghill
Johannesburg, 2000

All submission responses must be clearly marked as follows:

- Offer Confidential Enquiry Reference no: CORP 5618
- Closing date: 18 November 2021
- Closing time: 10h00 AM South African Standard Time.

NB: PLEASE NOTE: THE TENDER BOX WILL ONLY BE AVAILABLE FROM 6:00 TO 18:00 (MONDAY TO FRIDAY)

6. HANDLING OF CORRESPONDENCE AND DOCUMENTS

The submission may not be addressed to any Eskom Holdings employee, nor may any Eskom employee deposit a tender in the tender box on behalf of a respondent, except one lodged by courier.

Eskom Holdings does not take responsibility for tenders delivered to any other site than the Tender Office as specified in the above. Any tender which is not delivered as above will be deemed a late tender.


You are urged to ensure that all issues in your submission are sufficiently clear and all documentation completed and incorporated in your submission at the time of submission. Non-adherence to this will prejudice and may disqualify your offer from further consideration.

Your RFI submission should have a thorough index and reference all documentation submitted. RFI documentation should be neatly filed / bound.

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7. FORMAT OF SUBMISSION

EACH RFI SHALL BE SUPPLIED IN PRINTED AND IN ELECTRONIC FORMAT. ALL PRINTED AND ELECTRONIC COPIES OF EACH SUBMISSION SHALL BE IDENTICAL TO THE ORIGINAL SUBMISSION IDENTIFIED AS FOLLOWS:

- 1 x ORIGINAL RFI
- 1 x COPY RFI AND
- 1 x COPY RFI – ELECTRONIC COPY (MEMORY STICK)

8. QUERIES AND QUESTIONS

No questions, during the RFI period will be answered telephonically.

Questions must be submitted in writing, either via e-mail to:

Attention: Tamara Mda

E-mail MdaT@eskom.co.za

REQUEST FOR INFORMATION AS FOLLOWS:

- ORACLE GOLDEN GATE SERVICES REPLACEMENT
- FIVE (5) YEARS SUPPORT AND MAINTENANCE OF THE PRODUCT.

Clarification of questions and queries is 3 working days before the deadline of the submission

9. REQUIREMENTS OF YOUR SUBMISSION

This submission will not be considered unless it is -

Received on or before the time and date as indicated

Sealed and signed by person(s) duly authorised to act on behalf of your company

Received in full

Eskom reserves the right to cancel this RFI process at any time prior to entering into any contract that may result from this process and will not accept or incur any liability for such cancellation.


Eskom is not bound to accept any of the submissions, nor give reasons for any decisions in this respect.

The Information provided below may be used when going out on enquiry for a request for proposal or a quotation.

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10. IMPORTANT NOTES

- 10.1 Please note that this enquiry is not a Request for Quotation/Proposal but a Request for Information only and therefore non-committal and does not constitute a guarantee of business, or an agreement to negotiate a binding agreement.
- 10.2 Due to the specific need that this RFI process has to fulfil, Eskom wishes to clarify that this invitation is not intended to impede, amend or replace any current or future procurement process that Eskom has engaged in or will engage in.
- 10.3 This RFI is a stand-alone information-gathering and market-testing exercise, intended only to inform and assist Eskom's further decisions. No respondent, through submission of information will gain any right to participate in any future process, and participates herein on the basis that it is providing information voluntarily to strengthen a potentially beneficial process for all stakeholders. In addition, no participant shall be prevented or excluded from participation in the bidding process due to submission of information in response to this RFI.
- 10.4 Any information provided pursuant to this RFI process and any subsequent processes and/or engagement is not confidential but Eskom will use the information only in the course of its process for a strategy for Customer Information and Billing Replacement.
- 10.5 Through making a submission, a respondent accepts the terms and conditions which govern this process.
- 10.6 All participants responding to this RFI process need to ensure that they have received all information and remain solely responsible for satisfying themselves as to the information required in responding hereto and are fully responsible for all costs incurred in relation hereto and under no circumstances will any resultant cost be borne by Eskom.
- 10.7 Eskom reserves the right not to proceed with any further engagements on the requirements presented.
- 10.8 Please complete the attached Acknowledgement Form and return it by email as indicated on the form within 3 days of receiving this Invitation.

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APPENDIX A: RETURNABLE ACKNOWLEDGEMENT FORM

TO:	ESKOM HOLDINGS SOC LIMITED's <i>Representative</i>	FROM: 10.2	
Attention:	Tamara Mda	Sender:	
Contact No:	011 800 3599	Contact No:	
e-mail:	MdaT@eskom.co.za	E-mail address::	

RFI reference number: CORP 5618 Confirmations of respondents to participate in a Request for Information on the Oracle Golden Gate Services replacement

We are in receipt of Eskom Holdings SOC Limited request for information dated.....

We confirm the following (please mark the appropriate response):

No	Statement	Yes	No	Comments
1.	We are interested in submitting a response in terms of Eskom's RFI process requirements			
2.	We have noted the deadline for the RFI submission			
3.	We intend to submit the information in the name of the organisation stated above			
4.	We would like to receive all further information and correspondence at our e-mail address as above			
5.	We have read and understood all the "important notes" under point 9 above.			

Yours faithfully

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