	<b>REQUEST FOR INFORMATION</b>	Form No: RW SCM 00051 F Revision No: 01 Effective Date: 01 Nov 2023
---	--------------------------------	---

**REQUEST FOR INFORMATION(RFI) FOR THE ISOLATION OF THE PUMPSETS 10 AND 11 IN  
ZUIKERBOSCH RAW WATER ENGINE ROOM 4**

<b>ISSUE DATE:</b>	Tuesday, 10 September 2024		
<b>NON-COMPULSORY BRIEFING SESSION DATE:</b>	None		
<b>BRIEFING SESSION VENUE:</b>	None		
<b>CLOSING DATE:</b>	Friday, 04 October 2024	AT 11 :00am	

BIDDER INFORMATION				
<b>BIDDER NAME</b>				
<b>POSTAL ADDRESS</b>				
<b>STREET ADDRESS</b>				
<b>TELEPHONE NUMBER</b>	<b>CODE</b>		<b>NUMBER</b>	
<b>CELLPHONE NUMBER</b>				
<b>E-MAIL ADDRESS 1</b>				
<b>E-MAIL ADDRESS 2</b>				
<b>VAT REGISTRATION NUMBER</b>				
<b>SUPPLIER COMPLIANCE STATUS</b>	<b>TAX COMPLIANCE SYSTEM PIN:</b>		<b>CENTRAL SUPPLIER DATABASE No:</b>	MAAA.....
<b>B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE</b>	[TICK APPLICABLE BOX]  <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>B-BBEE STATUS SWORN AFFIDAVIT</b> (EMEs and QSEs)	[TICK APPLICABLE BOX]  <input type="checkbox"/> Yes <input type="checkbox"/> No

BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO:			
BUYER		SOURCING MANAGER	
<b>CONTACT PERSON</b>	Nkululeko Mkhabela	<b>CONTACT PERSON</b>	Jabulile Molema
<b>TELEPHONE NUMBER</b>	011 682 7223	<b>TELEPHONE NUMBER</b>	011 682 0393
<b>E-MAIL ADDRESS</b> (Submissions must be made to this address)	<a href="mailto:nmkhabel@randwater.co.za">nmkhabel@randwater.co.za</a>	<b>E-MAIL ADDRESS</b>	<a href="mailto:jmolema@randwater.co.za">jmolema@randwater.co.za</a>

**TABLE OF CONTENTS**

1. DISCLAIMER..... 3

2. BACKGROUND..... 4

3. OVERVIEW OF THE REQUIREMENTS ..... 5

5. MINIMUM SUBMISSION REQUIREMENTS ..... 6

6. COST OF REQUEST FOR INFORMATION..... 6


7. TERMS AND CONDITIONS..... 7

    7.1 Submission of RFI Responses..... 7

    7.2 Language of the RFI Response ..... 8

    7.3 Further Information..... 8

    7.4 Contact with the Supply Chain Office ..... 9

	<p align="center"><b>REQUEST FOR INFORMATION</b></p>	<p>Form No: RW SCM 00051 F Revision No: 01 Effective Date: 01 Nov 2023</p>
---	--	--

## 1. DISCLAIMER


This Request for Information (RFI) is issued solely for information and planning purposes and does not constitute a solicitation of bid. While all reasonable care has been taken in preparing this Document, the information has been prepared by Rand Water in good faith, based on information obtained from various sources. However, RAND WATER neither accepts any liability or responsibility for the adequacy, accuracy, or completeness of any of the information or opinions stated herein.

Where expressly stipulated otherwise, no representation or warranty (whether express or implied) is or will be given by the RAND WATER or any of its officers, employees, servants, agents, advisors, or any other person with respect to the information or opinions contained in this Document.

RAND WATER reserves the right to amend, modify or withdraw this Document or any part thereof, or to terminate or amend any of the procedures, processes or requirements detailed in this Document at any time, without prior notice and without liability to compensate or reimburse any Government, Organisation, or person pursuant to such amendment, modification, withdrawal, or termination.

RAND WATER reserves the right to adopt any proposal made by any person responding to this Document at any time and to include such proposal in any documents which may or may not be made available to any other persons responding to this Document, without the obligation or liability to pay any compensation or reimbursement of any nature to any Government, Organisation, or person pursuant to such adoption. The terms and conditions set out in this Document are stipulated for the express benefit of RAND WATER.

This Document is provided solely for the purpose set out herein and is not intended to form any part or basis of any commitment, investment decisions or expectations by the Respondent (responding to this RFI), its shareholders, members, or its lenders outside of this RFI. Each person that accesses this Document must make its own independent assessment of the Project in respect of which it intends submitting a RFI Response, taking such advice (whether professional or otherwise) as it deems necessary. If a portion of the information to be supplied

	<p align="center"><b>REQUEST FOR INFORMATION</b></p>	<p>Form No: RW SCM 00051 F Revision No: 01 Effective Date: 01 Nov 2023</p>
---	--	--

is considered commercially sensitive by the respondent, RAND WATER will consider entering into an appropriate Non-Disclosure Agreement. Respondents to this RFI must in addition declare whether, if any part of their submission is a registered Intellectual Property (patent, copyright, etc.)

No Respondent, its shareholders, members, contractors, suppliers or lenders shall have any claim against RAND WATER, its officers, employees, servants, agents or Transaction Advisors, under any circumstances whatsoever, arising out of any matter relating to this RFI, any ancillary matter relating thereto or this Document of any nature whatsoever, including where such claim is based on any act or omission by RAND WATER, or any of its officers, employees, servants, agents or Transaction Advisors of any nature whatsoever, or where such claim is based on the content of, or any omission from, this Document of any nature whatsoever.


## **2. BACKGROUND**

Raw Water Engine Room 4 at Zuikerbosch is located in works area no. 2. The Engine Room receives raw water from the forebay via a 2960mm suction pipeline, and then pumps to the flocculators and gravity fed to the sedimentation tanks for further treatment processes. The delivery header of the Raw Water Engine Room 4 is a 2960mm ring main pipeline that is 389m long with four (4) isolation valves located on the pipeline. The Engine Room is split into Engine Room 4A and 4B, with 11 pumps rated at 208 ml/d and 8m head.

Raw Water Engine room 4A has 5 x 208 MI/d pumps, while Raw Water Engine room 4B has 6 x 208 MI/d pumpsets. The total installed capacity of the two engine rooms is 2288 MI/d, with a standby capacity of 416 MI/d and an available capacity of 1872 MI/d. Engine rooms 4A and 4B can be separated from one other by an isolation suction valve number 188 from the ring main (Drawing 12837).

Currently pumpsets 10 and 11 in Raw Water Engine Room 4B need to be taken out for maintenance. The following challenges are being experienced:

- a. Pumpset 10 delivery valve 240 (drawing 12837) does not seal. The suction valve is closed and sealing. The pumpset is experiencing back flow from the delivery header due valve number 240 not sealing. Therefore pumpset 10 cannot be removed for

	<p align="center"><b>REQUEST FOR INFORMATION</b></p>	<p>Form No: RW SCM 00051 F Revision No: 01 Effective Date: 01 Nov 2023</p>
---	--	--


maintenance unless an appropriate technology is applied to stop the backflow to pumpset 10.

- b. Pumpset 11 delivery valve 241 (drawing 12837) failed in open position. The delivery valve needs to be replaced, and the current valve be replaced and refurbished.
- c. The existing Raw Water Engine Room 4 configuration allows Raw Water Engine Room 4A and 4 B to be separated from each other via suction valve number 188 and valve 195 on the delivery header. The current challenge is that delivery valves on the Raw Water Engine Room 4b are passing through and do not offer dry isolation. To replace these valves, the entire Raw Water Engine Room 4B must be isolated and drained. Isolating Engine Room 4B reduces the load by 1248 Ml/d, which has a negative impact on Rand Water supply to consumers.
- d. Isolating and draining the delivery header pipeline for maintenance of the Raw Water Engine Room 4 requires a substantial amount of time and isolation of the Raw Water Engine Room 4 for extended periods is not viable, since this will affect the total output (portable water) from the station.

### **3. OVERVIEW OF THE REQUIREMENTS**

Rand Water would like to request potential solution providers to respond to this RFI and take into account the following requirements.

- Assess the existing installation to isolate pumpset 10 and 11 under operational conditions.
- Produce a detailed report with recommendations based on the findings of the assessment. The contractor shall advise Rand Water of the current or any potential risk of flooding Raw Water Engine Room 4.
- Undertake a detailed risk analysis and make recommendations for the flooding of Raw Water Engine Room 4. The work shall include:
  - Identify potential flooding hazards;
  - Emergency action plan in case of flooding;
  - Risk level;

	<b>REQUEST FOR INFORMATION</b>	Form No: RW SCM 00051 F Revision No: 01 Effective Date: 01 Nov 2023
---	--------------------------------	---

- Flooding mitigating;
- Assess the level of occupancy to determine human's risks;
- Level of escape routes.
- Evacuation procedure.
- Isolate Pumpsets 10 and 11 and replace their delivery valves.
- The contractor should look at using adequate line stoppers or other applicable acceptable technology to isolate pumpsets 10 and 11.
- The assessment shall be carried out on an operational plant and no disruption of the station shall be allowed during the assessment.

#### **4. PROFESSIONAL REQUIREMENTS INDEMNITY**

The contractor shall possess the following qualifications as minimum:

- Professional Engineer registered with the Engineering Council of South Africa.
- Shall have worked on pump isolation systems for more than five years and shall provide proof to Rand Water on the projects worked on including contacts.


#### **5. MINIMUM SUBMISSION REQUIREMENTS**

In addition to the above the expert consultant is required to provide RAND WATER with the following:

- A detailed report describing the conceptual and covering all the capabilities.
- Financing options.
- Cost estimates for implementation.
- A high-level Project Plan outlining the tasks to complete and possible timelines in this regard.
- Company Profile and experience.
- However, the Respondents are welcome to submit additional or alternative information over and above the specified format.

#### **6. COST OF REQUEST FOR INFORMATION**

Respondents are expected to fully acquaint themselves with the conditions, requirements, and specifications of this RFI before submitting responses. Each Respondent assumes all risks for resource commitment and expenses, direct or indirect, of RFI preparation and participation

	<p align="center"><b>REQUEST FOR INFORMATION</b></p>	<p>Form No: RW SCM 00051 F Revision No: 01 Effective Date: 01 Nov 2023</p>
---	--	--

throughout the RFI process. RAND WATER is not responsible, directly, or indirectly, for any costs incurred by service providers.

## 7. TERMS AND CONDITIONS

Respondents shall sign a Non-Disclosure Agreement (NDA) with RAND WATER so that they can have access to additional information for this RFI.

RAND WATER reserves the right to.


- ✓ Verify any information contained in a response.
- ✓ Postpone, withdraw, amend, modify, or cancel the RFI process at any time, without prior notice and without liability to compensate or reimburse any person pursuant to such.

### 7.1 *Submission of RFI Responses*

- To facilitate the preparation of the RFI Response, Respondents may access the following website where the Document can be downloaded:

[Rand Water Online Bids Application](https://bids.randwater.co.za/) or <https://bids.randwater.co.za/>

- The RFI Response, must be submitted to RAND WATER online bid submission by not later than the time and date of 11:00 on 04 October 2024.
- RFI Responses reaching RAND WATER later than the cut-off time and date specified above may, in the RAND WATER's sole discretion, be rejected without further consideration.
- RFI Responses may be submitted prior to the cut-off time and date specified above, however only complete RFI Responses will receive attention from the RAND WATER.
- All costs incurred by a Respondent in connection with this Document and the preparation of its RFI Responses shall be borne by the Respondent.

	<p align="center"><b>REQUEST FOR INFORMATION</b></p>	<p>Form No: RW SCM 00051 F Revision No: 01 Effective Date: 01 Nov 2023</p>
---	--	--

- Responses submitted by companies must be signed by a person or persons duly authorised thereto in a form of a resolution so passed by the appropriate governing structure or letter of Delegation by an authorised Official of such Company.


## **7.2     *Language of the RFI Response***

- The RFI Response and all documents forming part of it shall be in English.
- Any printed literature submitted with the RFI Response may be in another language so long as it is accompanied by an English translation (made by an accredited translator) of the entire document.
- All correspondence and any other documentation and oral communication exchanged between the Respondent and the organisation shall be in English.

## **7.3     *Further Information***

- RAND WATER reserves the right to seek additional information from the Respondent regarding its RFI Response, as it may, in its sole discretion, determine, whether such information has been requested under this Document or otherwise, and may require the Respondent to make oral presentations for clarification purposes or to present supplementary information, in respect of its RFI Response if so, required by the RAND WATER.
- The Respondent may, following the submission of a RFI Response, be requested to engage with RAND WATER. Any meetings are likely to take place at RAND WATER offices, which is at the following address: **522 Impala Road, Glenvista 2058, South Africa.**



	<p align="center"><b>REQUEST FOR INFORMATION</b></p>	<p>Form No: RW SCM 00051 F Revision No: 01 Effective Date: 01 Nov 2023</p>
---	--	--

#### **7.4     *Contact with the Supply Chain Office***

- All queries and requests for clarification in respect of this Document must be addressed to the Supply Chain Office of Rand Water. E-mailed or oral requests and queries addressed to persons other than a Supply Chain Official, at the aforementioned address, will not be entertained and will not receive a response. RAND WATER will endeavour, in good faith, to respond to all reasonable written queries and requests for clarification raised by the Respondent. Rand Water will provide a final response on clarifications by no later than **ten (10)** calendar days before the closing date.
  
- The Respondent must give the name and contact details of the person whom it appoints to undertake all contact with the SCM Office in its RFI Response.
  
- After the submission of its RFI Response, the Respondent may only communicate with RAND WATER through such person and RAND WATER shall be entitled, at its sole discretion, to disregard any communication from the Respondent, that does not come from such contact person, and that does not go directly to the Supply Chain Office.