



TENDER NO: RW10394588/21

**THE ACQUISITION AND IMPLEMENTATION OF A HYDRAULIC
MODELLING, ANALYSIS AND WATER HAMMER APPLICATION
SOFTWARE SOLUTION AT RANDWATER**

Procedure to be observed

- Tender documents available on the National Treasury Tendering portal: www.entenders.gov.za and on the Rand Water's website: www.randwater.co.za.
- Issue Date: **05 November 2021**
- Closing date: **17 December 2021**
- Submissions must be deposited before 12:00 noon at Rand Water No: 522 Impala Road Glenvista, main gate.
- All submissions after closing date will be rejected.
- Contact persons: (Supply Chain)
Ntikane Radebe (Sourcing Manager) at nradebe@randwater.co.za
Betty Molise (Buyer) at bmolise@randwater.co.za

Validity Period

- The tender shall remain valid for a period of 180 days from the date of closing of the tender. Rand Water reserves the right to extend the validity period if required.

PRE - QUALIFIERS



- Fully completed and Signed Form of Offer.

Returnable Documents

PART T2: RETURNABLE DOCUMENTS

- Page **14 - 16 of 128** – Detailed list of returnables for Bid Evaluation

Evaluation Process

Rand Water conducts a two stage evaluation process for all bids, intending to provide services or goods to the organization as follows:

- First part of the evaluation process is the functionality evaluation (**Technical part of the tender document**).
- All bids evaluated at this stage must achieve a minimum of 60% scoring.
- Below 60 % will not be considered to second stage of the evaluation.
- Rand Water shall then apply the objective criteria in accordance with the PPPFA that will determine the evaluation outcome
- Part of the functionality evaluation Rand Water also uses a Financial Tolerance Range
- Award is then based on the preferential point system.
- **NB:** award based on quality of submission not reputation

Technical - Returnables

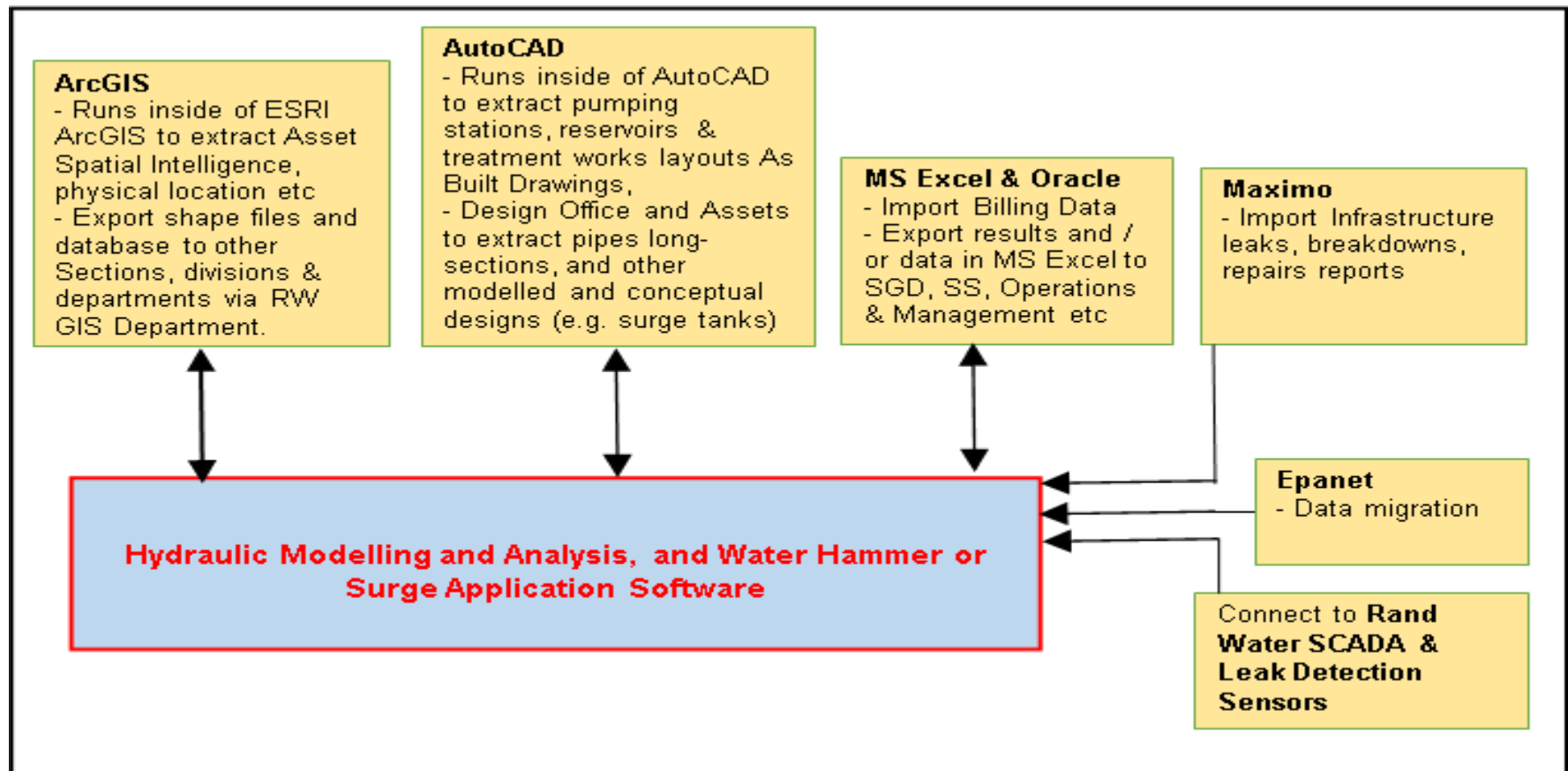
- For the list of all relevant returnables refer to **Page 09 - 12 of 128 Table T1.3.2** (Functionality evaluation)
- Functional Evaluation will be based on:
 - *Record of Previous Experience relevant to the current scope/ work (with contactable client ref.)*
 - *Overall performance score for similar work previously done. Aligned with the number of references provided in Criterion A.*
 - *The bidder must submit a record of performance on previous work which must have a percentage rating by the client.*
 - *Quality Management Systems*
 - *(ISO 9001/In-house QMS)*
 - *Human Resource Capacity*
 - *(including company's Project Team vs. Company Organogram; Project Team Member List including CV's, resource allocation)*
 - *Risk Introduced by Bid Qualifications*
 - *(e.g. limitations, assumptions, limited liability etc.)*
 - *Project Risk Management*
 - *Detailed Project Programme*
 - *All functionality in ANNEXURE A clearly showing but not limited to*
 - *above Gantt Chart loaded with detail at least to activity level 2 showing resources*
 - *Above Gantt Chart with costs per milestone / deliverable.*



TECHNICAL PART

PROJECT SCOPE SUMMARY

For a hydraulic model to be sustainable and current with respect to the dynamic changes to the system, an integrated approach is essential.



PROJECT SCOPE SUMMARY

The scope includes the acquisition of a Hydraulic Modelling and Analysis, and Water Hammer Application solution (HMA&WHAS) that satisfies the Rand Water requirements and is integrated into the relevant Rand Water systems.

Acronyms: -

HMA&WHAS	Hydraulic Modelling & Analyses and Water Hammer Application Software
SAM	Strategic Asset Management
GIS	Geographic Information Systems
IT	Information Technology
SCADA	Supervisory Control and Data Acquisition
IDP	Infrastructure Development Plan

- The Consultant to deliver the following, on completion:
- The overall purpose and scope includes the acquisition, design, development, testing and implementation of a Hydraulic Modelling and Analysis, and Water Hammer Application Software (HMA&WHAS) for the Asset Planning Section of Rand Water.
- Solution or product scope:
The Hydraulic Modelling and Analysis, and Water Hammer Application Software (HMA&WHAS) is required to meet all the functionality/business requirements as outlined below.

PROJECT SCOPE SUMMARY

Licences

The Licences are required for the following users:

Licences	Number of Licences
Hydraulic Modelling Concurrent User Licenses and Unlimited Self-service access	10
Water Hammer Concurrent User Licenses and Unlimited Self-service access	2
TOTAL	12

Scope of work

- **The detailed Project Scope in the Scope Of Work (Specifications) Page. 106.**



THANK YOU