Requesting Office: Magalies Water	
Contact Person: Dineo Mphasane	
Contact Numbers: **014 597 4636**	
Facsimile:	**RFQ – 10026100**
E-mail address: dineom@magalieswater.co.za	

DATE ISSUE: 09 December 2025

CLOSING DATE**: 18 December 2025**

PLACE OF DELIVERY**: Magalies Water**

For More information/query email: dineom@magalieswater.co.za or call 014 597 4636

Item No.	Technical Assessment for the Pipeline Padda Junction to Thabazimbi
	*PLEASE SEE THE BELOW SCOPE OF WORK

1. **Submission of Quotations**
   RFQ Number must always be stated on the quotation.

   Quotations should be submitted on or before the Request for Quotation Deadline **Date by no later than 12h00** to the email below. Email: **dineom@magalieswater.co.za**
   No hand delivered quotations will be accepted, all quotations to be submitted to the email indicated on the RFQ.

2. **Selection of Qualifying Quotation**

   The selection of the qualifying quotation will be at Magalies water's sole discretion.
   Magalies Water does not bind itself to accept any particular Quotation.

3. **Documents required**

The quotation will be verified for responsiveness according to the following **REQUIREMENTS:**

Requesting Office: Magalies Water	
Contact Person: Dineo Mphasane	
Contact Numbers: **014 597 4636**	
Facsimile:	**RFQ – 10026100**
E-mail address: dineom@magalieswater.co.za	

- Quotation must have CSD vendor number or CSD report
- Quotation must have RFQ reference number
- Completed and signed Declaration of Interest Form (SBD4)
- Quotation with validity period should be a minimum of 30 days or more from the date of issue.
- Quotation with physical address, date, contact details and banking details

***NB All non-responsive bids will be rejected.**

4. EVALUTION OF QUOTATION

All Quotations above R30 000 will be evaluated in terms of the PPR 2022 using the 80:20 Preference point system.

CRITERIA	POINTS
Price	80
Specific goals (B-BBEE status level of contributor)	20
TOTAL	**100 points**

NB: Bidders to submit the following as proof of B-BBEE status level of contributor.

1. Valid B-BBBEE status level certificate by an authorized body or person
2. A valid sworn affidavit as prescribed by the B-BBEE code of good practice.

Table 1: SPECIFIC GOALS (B-BBEE level) for the supplier and points claimed are indicated per the table below.

BBBEE 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	

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5. TERMS & CONDITIONS

5.1. Quotations received after the closing date will not be accepted.
5.2. All costs to be included in the quotation.
5.3. Delivery must take place at the specified place.
5.4. Quotations to be valid for a minimum of 30 days or more from date of issue.
5.5. The Government Procurement General Conditions of Contract shall apply.

1. PURPOSE OF TERMS OF REFERENCE

The purpose of the Terms and reference (ToR) is to assist the service providers in outlining the relative scope of work for the condition of the pipeline, detect leaks, and conduct timely repairs to mitigate water losses. The information on the ToR should be read and used solely for the purpose of understanding the scope of work that the respective Professional Service Providers will undertake and cannot be utilized for any other purpose.

2. DISCLAIMER

The information contained within the ToR has been compiled to the best of the ability of Magalies Water and cannot be used against Magalies Water by the service provider for any other purpose, but technical assistance for the bidding and where there is contestation the ToR purpose is mainly to serve a guideline to understand the scope of work and thus supplement the technical information that will be required in the bidding process for ease of reference.

3. INTRODUCTION AND BACKGROUND

Magalies Water is a state-owned business enterprise that operates within the South African legislation parameters of the Water Service Act 108 of 1997, Public Finance Management Act 1 of 1999 and Public Audit Act 25 of 2004. The primary function of Magalies Water is to supply treated water in bulk to its municipal, industrial and mining customers.

Magalies Water is a Schedule 3B public entity established in terms of the Public Finance Management Act (PFMA) and in terms of the Water Services Act 108 of 1997 (the Act), which stipulates the mandate of water boards. These are summarized as follows:

a) To provide bulk water services as primary activity in terms of Section 29 of the Water Services Act 108 of 1997;
b) And other activities in terms of Section 30 Water Services Act 108 of 1997;

Magalies Water supplies potable bulk water to a large number of industrial and domestic users in a number of local authorities situated in the eastern part of North West, northern Gauteng and southern Limpopo provinces from 4 existing water treatment works (WTW). The bulk supply mains from these works are mainly to larger towns, villages and mines in the Madibeng, Moses Kotane, Moretele and Dr JS Moroka Local Municipalities.

The Vaalkop Water Treatment Plant, with a Design Capacity of 270ML/day, functions on raw water abstracted from the Vaalkop Dam in the Crocodile River Catchment surface area. The treated potable water is distributed to the North West and Limpopo Provinces.

The northern part of the Vaalkop Bulk Water Supply Scheme serves the Thabazimbi Local Municipality. It is supplied from the Vaalkop Water Treatment Works via the La Patrie Reservoir complex, from where water flows under gravity to the Thabazimbi Local Municipality’s Booster pumpstation.

The existing Magalies Water Vaalkop Bulk Water Supply Scheme pipeline system north of Padda Junction follows the provincial road and supplies the towns of Northam and Thabazimbi, as well as several mines. The Elandsfontein and Goewermentsplaas Reservoirs are situated roughly a third of the way between Northam and Thabazimbi.

The Magalies Water bulk pipelines that supply water from Padda Junction to Thabazimbi are at capacity and cannot supply any increased demand. The current supply is already insufficient, especially during the summer when demand is higher. Magalies Water has allocated additional treated water to the area, but the bulk supply line constrains the municipality making use of this allocation.

4. PURPOSE OF THE REPORT

Magalies Water is a key strategic organisation that provides water services that underpin and sustain all social and economic growth and development within its prescribed Service Area. Consequently, it is critically important for the organization to meet the current and planned future needs for reliable, sustainable and high-quality water services.

The purpose of this RFQ is to appoint a qualified Professional Service Providers (PSP's) with suitable experience to render the services and must have a team registered professionally with the Professional Councils, e.g., Engineering Council of South Africa (ECSA) for Engineers and the South African Council for the Project and Construction Management Professions (SACPCMP) for Project Managers, and at least one (1) team member must be certified senior practitioner in asset management. (CSAM) or SAAMA Certified physical asset management practitioner (SCPP) or similarly accreditation.

This document reports on the Padda Junction to Thabazimbi Pipeline study done in order to provide a condition assessment of the assets in question, the provision of an asset register, detect leaks, and a programme with timeline and cost repairs to mitigate water losses. The purpose of this report is to include all the findings of the investigation. This report will describe the methodology used and the findings of the study.

5. EXISTING INFRASTRUCTURE

The existing Magalies Water bulk pipelines that supply water from Padda Junction to Thabazimbi Local Municipality, over time, this pipeline has been deteriorated due to aging and the natural wear and tear associated with its long operational life. Therefore, this pipeline has reached the end of their design life and as a result this pipeline currently experiences more than 40% loss of water, therefore, has is costing to Magalies water the security of supply to the area and be able to meet the increasing water demand (Magalies Water: Bulk Water Master Plan Study, 2013/2014). Magalies Water has allocated additional treated water to the area, but the bulk supply line constrains the municipality from using this allocation.

There are currently two pipelines from Padda Junction to the Elandsfontein and Goewermentsplaas Reservoirs, with diameters of 450 mm reducing to 300mm and 700 mm reducing to 350mm respectively. The 450 mm pipeline passes through Northam and connects to the Elandsfontein

Reservoirs, but also has cross connections to the Goewermentsplaas Reservoir. The 450 mm pipeline has an offtake at Northam for supply to the PPC Dwaalboom Factory, which is provided with a booster pumpstation. The 700 mm pipeline routes west around Northam and connects to the Goewermentsplaas Reservoir, with cross connections to the Elandsfontein Reservoirs.

There is an offtake at Northam Platinum Mine just after the reservoir complex. Two pipelines continue northwards to Thabazimbi for approximately 4 km after the reservoirs, with diameters of 350 mm and 300 mm respectively. After the offtake to the Amandelbult Mine, the pipelines reduce to a single line, initially with a diameter of 400 mm and then 300 mm. This pipeline connects to the Thabazimbi Tanks and Booster Pumpstation.

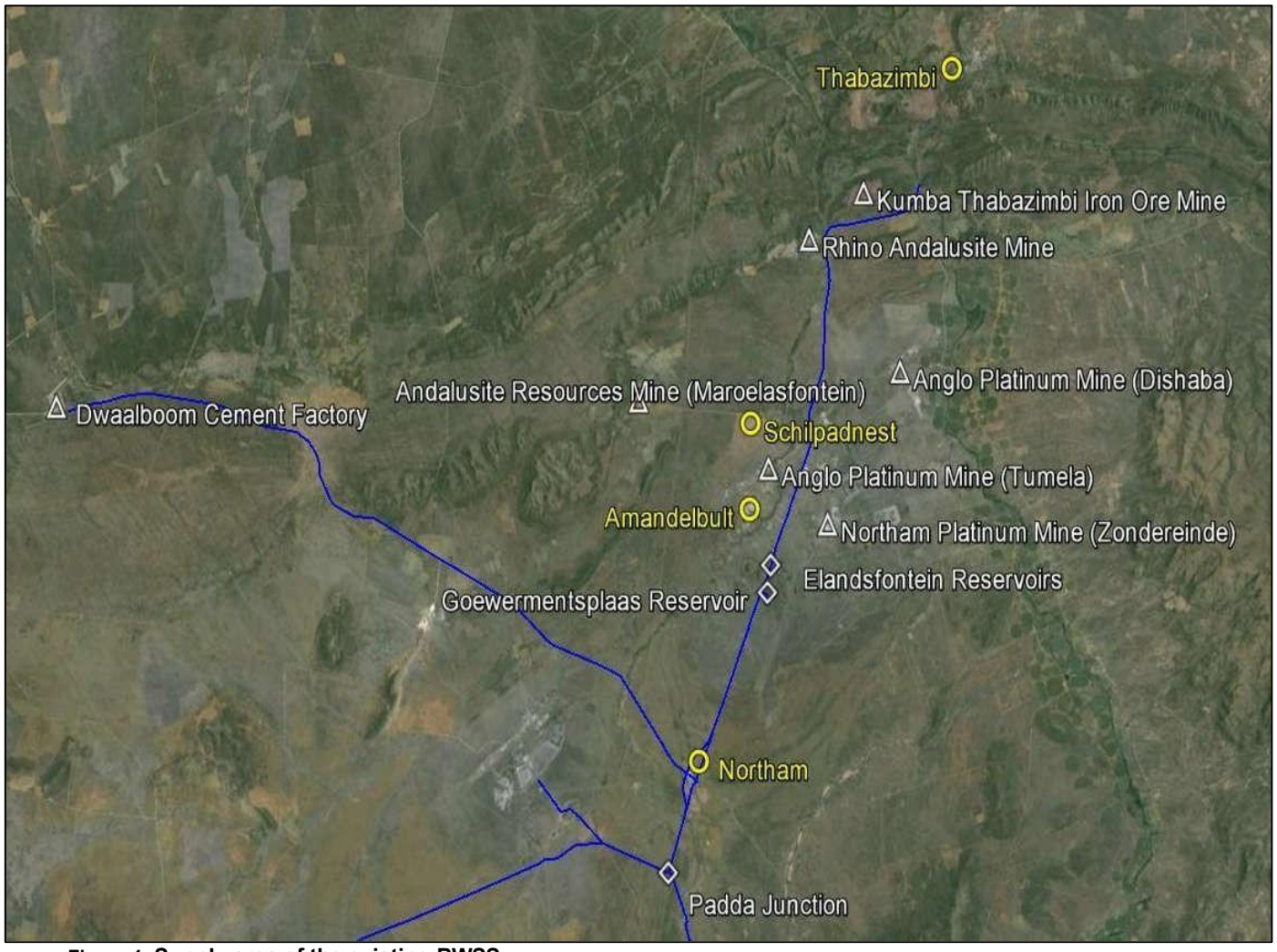

Figure 1: Supply area of the existing BWSS

6. SCOPE OF WORK

The successful Professional Service Provider will undertake the assignment in close consultation with the relevant Stakeholders and parties within Magalies Water area of supply.

The assessment and findings of the existing status of the Pipeline from Padda Junction to Thabazimbi in its entirety, and the identification, and costing, of actions required to provide services in an optimal and sustainable manner must be presented in a comprehensive report.

The study area includes all assets within Magalies Water servitude of the Pipeline from Padda Junction to Thabazimbi

6.1. Asset condition assessment considering.

- Structural integrity tests
- Corrosion of lining and coating?
- Cathodic protection?
- Leak Detection?
- When was the asset constructed / rehabilitated / replaced?
- Where is the asset / component in its lifecycle?
- What is the asset's theoretically effective life?
- What is the estimated residual life until rehabilitation and / or replacement is necessary?
- How can the asset's deterioration be predicted?
- Can the asset be rehabilitated and at what cost?
- What level of service will the asset deliver once rehabilitated and for how long?
- Is the asset technically or commercially obsolete?
- Consider the use of alternative technologies to achieve reduced costs, ease of operation and maintenance or protection of the environment where appropriate.

6.2. Design Considerations:

- Pipe Material?
- Length of the Pipe?
- Diameter of the Pipe?
- Number of Isolating, scour, Air Valve?
- Type of Reservoir and Capacity.
- Current pipeline capacity vs current/future demand?
- Upgrade Costs?

The assessment methods must be clearly indicated for every component and specifications provided in detail. The methods will be conducted on a live system. Magalies Water being a bulk water service provider to municipalities, mines, private consumers and other stakeholders will not allow any assessment methods to test or assess the pipeline integrity, corrosion of lining and

coating, etc. by closing or emptying the lines resulting to service interruptions or loss of water.

6.3. Available Information

Magalies Water will make available information pertaining to this study;

- Asset register
- Financial records
- Maintenance records
- Construction completion dates
- GIS information
- Contracts and agreements, etc.

6.4. Deliverables

To provide a report with a professional opinion on the status quo based on assessments undertaken, tests performed, information provided or sourced; namely the state and condition of the existing assets/infrastructure, the remaining life span, options for refurbishment/upgrade or replacement of infrastructure to meet current/future demand, financial implications, legal and environmental assessment.

The Consultant shall submit to the Client the following: (no limited)

- To develop a comprehensive asset register, in line with current good practice.
- To provide an objective status quo evaluation of the infrastructure elements already in place.
- To Provide a schematic drawing of the entire Pipeline within the study area showing the segment where the pipeline is more deteriorated.
- To reflect the current value and rehabilitation costs of the assets as first order estimates.

All reports shall be incorporated in one report and submitted in hard copies (minimum 3) as well as in electronic version.

6.5. Reporting

The consultant will report to Engineering Services. The meetings will be arranged Bi-weekly with Engineering Services to assess progress on the project. Presentations willdone by the consultant per each milestone achieved.

6.7. Work Plan

The proposal must provide a work plan indicating the timing for conducting the study, the approximate timing for the various tasks including each of the phases broken down by task and the date of final submission to Magalies Water. The assignment is expected to have a duration of 3 months. The Consultant shall arrange their work to ensure implementation of the assignment within the agreed timeframe.

7. CONTRACT

The contract to be used for this tender will be the Magalies Water Service Level Agreement (SLA), which will be a binding contract between Magalies Water and the successful bidder.

8. PAYMENTS

The Service Provider shall be paid within thirty (30) Days from the date of receipt of invoice.

9. PENALTIES

All penalties for non-performance will be set out in the Service level agreement.

10. ORGANISATION MATTERS.

Project management and communication lines.

Magalies water team worked closely with the appointed PSP team and other interested & affected parties to ensure that at the end of project the objectives shall have been met within the allocated time and budget.

FUNCTIONALITY

Functionality will be scored out of 100 points.

A Tenderer who scores less than 70% for Functionality, that is, less than 70 points will automatically be disqualified.

Functionality will include the following:

- Company Experience;
- Key Personnel Experience including registration with professional body;
- Company registration with a professional body (attach proof).

Functionality Points will be spread according to the table below:

Functional Criteria	Weightings
Company Experience Evaluation shall be based on the total number of projects completed in the past ten (10) years. Projects related to water infrastructure condition assessments or water infrastructure audits only experience from the tendering entity, and not by staff members, shall be taken into account. Schedule of Company experience to be attached together with references or appointment letters of previous similar projects (water infrastructure condition assessments or water infrastructure audits) as evidence from clients, failure to submit such will result in zero points allocated. Evaluation Projects Completed by the Company: Three (3) or more of projects related to water infrastructure condition assessments or water infrastructure audits (25 points) Two (2) projects related to water infrastructure condition assessments or water infrastructure audits (15 points) One Project (1) project related to water infrastructure condition assessments or water infrastructure audits (10 point) No Project (0) projects related to water infrastructure condition assessments or water infrastructure audits (0 points)	25 Points
2.0 Key Personnel Experience. Project Manager • A Project Manager with not less than ten (10) years relevant experience on Projects related to water infrastructure condition assessments or water infrastructure audits, plus a Professional Registration (ECSA) Evaluation • Attached CV and Proof of Qualifications (10 points). • Valid Professional Registration with ECSA as Pr. Engineer to be attached (10 points). • No CV and/or Proof of Qualifications and Professional Registration (0 points)	20 Points

Civil Engineer/Technologist. A Civil Engineer with a minimum of a Degree/B. Tech in Civil Engineering qualification with relevant experience of not less than Ten (10) years and registered as a Professional Engineer (Pr. Eng. or Pr. Tech Eng.). Anything less than this minimum will score zero. Evaluation • Attached CV and Proof of Qualifications (5 points). • Valid Professional Registration with ECSA as Pr. Engineer/Technologist to be attached (5 points) • • No CV and/or Proof of Qualifications and Professional Registration (0 points)	10 Points
Mechanical Engineer/Technologist. A Mechanical Engineer with a minimum of a Degree/B. Tech in Mechanical Engineering qualification with relevant experience of not less than Ten (10) years and registered as a Professional Engineer (Pr. Eng. or Pr. Tech Eng.). Anything less than this minimum will score zero. Evaluation • Attached CV and Proof of Qualifications (5 points) • Valid Professional Registration for Mechanical Engineer/Technologist to be attached (5 points) • No CV and/or Proof of Qualifications and Professional Registration (0 points)	10 Points
Asset Management. Certified practitioner in asset management with not less than Ten (10) years' experience in Infrastructure Asset Management and registered with SAAMA or similar accreditation. Evaluation • Attached CV and Proof of Qualifications (5 points) • Valid Registration with SAAMA or similar accreditation. (5 points) • No CV and/or Proof of Qualifications and Professional Registration (0 points)	10 Points
3.0 Methodological approach Methodology The methodology will indicate the system of methods used in the study or activities with timeline from start to finish and should also cover all the requirements as described in the terms of reference/scope. This should be attached titled Methodology	25 Points

Note: The minimum threshold for functionality is 70%. No bids that fail to achieve the minimum Threshold will be considered for further evaluation on Price and B-BBEE, in Phase 3.

MAGALIES WATER

TECHNICAL ASSESSMENT FOR THE PIPELINE PADDA JUNCTION TO THABAZIMBI

PR No: 26100

SECTION: SCHEDULE OF QUANTITIES

SECTION: SCHEDULE OF QUANTITIES

Bill No 1 Conditional Assessment Report

Task No.	Staff Category	Time schedule	Hourly rate (Excl. VAT)	Total cost (Excl. VAT)
1		Man hours	Rand/hour	Rand
	Project Manager	Hrs		
	Civil Engineer	Hrs		
	Mechanical Engineer	Hrs		
	Other Technical Staff	Hrs		
	SUBTOTAL			
	SUBTOTAL THIS PAGE ***(carry forward to the Summary)***			

Bill No 2 ADDITIONAL SERVICES

Item	ACTIVITY	Unit	Rate	Amount R
1	Coating Integrity Survey	Sums		
2	Cathodic Protection Audit	Sums		
3	Soil Resistivity Survey	Sums		
4	Other Services	Sums		
	SUBTOTAL			
SUBTOTAL THIS PAGE *(carry forward to the Summary)*				

Note: The PSP is entitled to an administrative fee of 10% for handling the appointment, management and payment of the above specialist Services. This 10% fee should be included in the specified Sum.

Bill No 3 RECOVERABLE EXPENSES

Item	Recoverable expenses:	Unit	Quant.	Rate	Amount R
1	Printing/copying: size A4 (reports),	Item		R.....	R.....
2	Printing A3	Item		R.....	R.....
3	Compilation and binding of reports/ drawings.	Item		R.....	R.....
4	Recoverable expenses in respect of travelling distance.	Km		R.....	R.....
5	Recoverable expenses in respect of travelling time.	Hrs		R.....	R.....
6	Subsistence Allowance Accommodation	Day		R.....	R.....
7	Communication	Month		R.....	R.....
	SUBTOTAL				R.....
SUBTOTAL THIS PAGE *(carry forward to the Summary)*					R.....

TECHNICAL ASSESSMENT FOR THE PIPELINE PADDA JUNCTION TO THABAZIMBI

PR: 26100

SECTION: SUMMARY OF ACTIVITY SCHEDULE

-Total of Bill No. 1. ..... R_____

- Total of Bill No.2... .....R_____

- Total of Bill No 3... ..... R_____

-Sub Total...... R_____

(Total of Schedule of Quantities)
Value Added Tax
[Add: Vat at the rate of 15% of (a)]..... R _____

TOTAL PRICE.....**R** _____

SIGNATURE OF THE TENDERER: ..... DATE: .....