



TERMS OF REFERENCE FOR

THE APPOINTMENT OF A SERVICE PROVIDER TO UNDERTAKE A FEASIBILITY STUDY FOR THE IMPLEMENTATION OF AN ICT ENABLED SMART WATER MANAGEMENT SYSTEM TO REDUCE NON-REVENUE WATER FOR ILEMBE DISTRICT

Closing Date: 13 April 2018
Time: 11:00
Information Contact: Ms Fanele Mazibuko
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Section 1: Details

Province: KwaZulu-Natal

Agency: Enterprise iLembe Economic Development Agency

Project Name: SMART WATER MANAGEMENT SYSTEM FEASIBILITY STUDY

Section 2: Introduction

Enterprise iLembe is an economic development agency wholly-owned by the iLembe District Municipality mandated to pursue and facilitate investment, economic development and empowerment in iLembe.

The objective of Enterprise iLembe is to improve the competitiveness of the iLembe Region by creating an environment that will enable local business to compete successfully on the international stage.

Section 3: Problem Statement

According to the Municipal Benchmarking Initiative report (2015), non-revenue water is estimated at 34% for South Africa, which cost more than R7 billion annually. The iLembe District Municipality 2015/2016 oversight report presents a water loss of 7.78 million kiloliters, costing the district municipality about R75 million. Some of the key factors that result in non-revenue loss are water leaks and illegal water connections (which are consequentially not billed). Non-revenue water is highly problematic in the context of water scarcity, as South Africa is regarded as water scarce country, recent droughts and constrained financial resources.

The non-revenue water challenge is a global issue, which the information and communications technology sector has also stepped forward to find sustainable solutions to. This has resulted in progressive work done in the field of integrated smart water management system (ISWMS), notably the research that is led globally by the International Telecommunication Union (ITU) and locally by the CSIR.

The purpose of this request for quotations is to identify and appoint a service provider who can undertake a technical and financial feasibility study for the implementation of an integrated smart water management system that can help iLembe District municipality to reduce non-revenue water.

Section 4: Scope of Work

The scope of work includes but not limited to the following activities: -

- Review and sketch the water infrastructure network of iLembe District.
- Determine and quantify non-revenue water losses at iLembe District in terms of volumes (Litres) and financials (Rands and cents).
- Develop a conceptual design of an integrated smart water management system (ISWMS) required to address the non-revenue water challenge.
- Determine implementation requirements and costing of the developed conceptual ISWMS.
- Determine funding model options for the ISWMS.
- Present a technical and financial feasibility assessment and argument.
- Compile a comprehensive report for Enterprise iLembe executive management that can be tabled to iLembe District Municipality to show benefit to Municipality.

Section 5: Implementation Schedule

The project is expected to be completed within 8 weeks from project inception. The following milestones are recommended:

- Project Inception Report – after 1 week.
- iLembe water infrastructure and non-revenue water status quo report – after 4 weeks.
- Conceptual ISWMS and implementation requirements – after 6 weeks
- Complete and comprehensive feasibility report – after 8 weeks.

Section 6: Compliance Requirements

Proposals/ Quotations must be accompanied by the following documents:

- Valid tax clearance certificate or TCS Pin issued by SARS (compulsory)
- Central Suppliers Database Registration Report (compulsory). (This report will be available on the CSD Website once you have registered on the Central Suppliers Database).
- B-BBBEE Status Level Certificate or Affidavit (for EME and QSE entities).
- MBD 4 – Declaration of Interest Form (Compulsory).

NB: Failure to submit compulsory documents will result in your proposal being disqualified.

Section 7: Adjudication Criteria

Bids will be evaluated in terms of the Procurement Policy of Enterprise iLembe and shall be applied as follows:-

All proposals received shall firstly be evaluated on functionality and thereafter only those who qualify for the next stage of evaluation will be evaluated in terms of the PPPFA (No.5 of 2000) and the 2011 B-BBEE Regulations.

Any bid that fails to achieve a minimum of 60 points on the functionality evaluation shall not be evaluated further and will be deemed to be non-responsive.

Functionality Evaluation

The functionality evaluation points will be applied as per the table below;-

Competencies

The successful bidders or consortium must demonstrate the following key competencies for the functionality evaluation:

Competency	Point Allocation	Maximum Points
Proof of similar feasibility studies conducted (Please include a detailed listing of contactable references for whom similar services were undertaken within the past five (5) years as per the table that follows)	0 project = 0 1 project = 10 2 projects = 30 3 or more projects = 50	50
Project team experience with the development of feasibility studies/ Smart Water Meter Systems (Please include CVs of the project team or person that will undertake this project.)	0 years = 0 1-3 years = 10 4-5 years = 30 6-10 years = 40 over 10 years = 50	50

In order to be awarded points for the first competency listed above, please submit the following:

- A list of **traceable references** for similar projects undertaken in the following format:

Client Name	Nature of Work Undertaken	Start Date	Date of Completion	Client Contact Person	Telephone Number

Only bidders who achieve a total of 60 points for functionality in terms of the above will then be evaluated in terms of the 80/20 points scoring system. Bidders wishing to claim preferential points must attach B-BBEE certificate.

The 80/20 preference point scoring system will be applied with points allocated as follows:-

- 80 points for the price;
- 20 points for B-BBEE status level

Status Level of Contributor	Preference Points on scorecard (80/20 System)
1	20
2	18
3	14
4	12
5	8
6	6
7	4
8	2
Non-contributor	0

Section 8: Closing Date & Time

All proposals must be emailed to krisantha@enterpriseilembe.co.za on or before the time and date set out below.

The closing date for receipt of proposals is on or before **11h00 on 13 April 2018**.

Enterprise iLembe does not bind itself to accept the lowest or any of the bids and reserves the right to accept the whole or part of the bid proposal.