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Kigali.....**26 AUG 2020**  
N<sup>o</sup> 11.07.025/.....**1925**...../20/HRM-CEO/e.m

## **JOB ANNOUNCEMENT**

Water and Sanitation Corporation (WASAC) and Vitens Evides International (VEI) are implementing a Water Operators Partnership Project titled Scaling Universal Access to Safe and Climate Resilient Waster Services in Rwanda, with focus on Small Towns (SCALE). This is a 4-year project that is being implemented in the target Branches of Rwamagana and Nyagatare in the Eastern Province of Rwanda. The project started in January 2019 and will end in March 2024.

One of the objectives of the project is to reduce Non-Revenue Water (NRW) levels in the two target Branches. Therefore, WASAC Ltd, wishes to recruit short term staff, two (2) NRW Engineers and four (4) NRW Technicians. One Engineer and two Technicians will be affiliated and permanently based at each target Branch. Successful candidates should, therefore, be willing to work in Rwamagana and Nyagatare Branches. Both the NRW Engineer and Technician shall work under supervision and guidance of the Branch Manager.

### **1. Non-Revenue Water Engineer (2)**

Roles and responsibilities of NRW Engineer.

The NRW Engineer shall lead efforts at the Branch, both in the field and office, to reduce NRW level to targets that have been set. The occupant of the position shall lead the implementation of NRW Reduction Plan, as well as lead and guide collection and analysis of NRW data.

Specific tasks/ responsibilities include:

- Support (Work alongside) NRW Experts, from SCALE Project, to develop NRW Reduction Plan for the Branch.
- Develop day-to-day activity plan, extracted from the NRW Reduction Plan and lead in its implementation which, among others, may include activities like design and establishment of DMAs, HtH Survey, pressure and flow data analysis, *bottom-up* and *top-down* analysis, etc.

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- Perform any other duty, relevant to NRW Reduction, as assigned by the Branch Manager, NRW Management Team at WASAC Head Office and SCALE Project Management Team.

**The Job requirements:**

- Having at least Masters or a bachelor's degree (A0) in one of the following fields: Civil Engineering, Hydraulic Engineering, Water Engineering, Electromechanical Engineering, Electrical Engineering, Water and Environmental Engineering or Mechanical Engineering.
- Having at least 2 years' working experience for those with Master's Degree, 4 years of working experience for those with bachelor's degree (A0) and they should have experience in non-revenue water deduction, design, operation and management of water supply and distribution systems.
- Have prior experience in the design and implementation of NRW reduction techniques like pressure management, leaks monitoring and detection, etc.
- Have proficiencies in data processing and capable to analyse big flow and pressure data. Knowledge of advanced features of Microsoft Excel gives an advantage to the candidate.
- Have experience in use of GIS and its application to management of water supply systems.
- Have experience in hydraulic modelling especially use of EPANET software.
- Having class B driving license is a must.

## 2. Non-Revenue Water Technician (4).

**Specific tasks/ roles of the NRW Technician include:**

- Repair pipe leaks in the water supply and distribution network while ensuring quick action and good quality of work.
- Assist the Engineer to collect and analyse pressure and flow data from the water supply and distribution network.
- Assist the Engineer to collect and analyse customer consumption data for commercial loss analysis. This includes working closely with water meter readers at the Branch.

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- Document actions/interventions that are designed and implemented to reduce NRW in the Branch, for learning and improvement purposes (i.e. the Plan-Do-Check-Act principle).
  - Work closely with physical and commercial loss teams at the Branch, and thus consolidate their respective efforts to reduce NRW, which more often seem unconsolidated. In addition, closely work with the NRW Management team and Commercial Department at Head Office.
  - Lead and coordinate collection of NRW data and analyse them to routinely establish and evaluate/assess NRW levels in the DMAs and the entire Branch water pipe network.
  - Prepare and submit reports, of activities done in the specified period of time and the respective NRW reduction results, to the Branch Manager, NRW Management team at the Head Office and SCALE Project Management team.
  - Strive for good working relationship between NRW Reduction team and the existing water network operations and maintenance teams at the Branch, to ensure sustainability of results.
  - As the Head of the NRW reduction team at the branch, the NRW Engineer shall assign daily work to the technicians and supervise them to ensure good quality work.
  - The NRW Engineer shall design and supervision implementation of civil and hydraulic engineering works in the water network.
  - Lead and coordinate leak detection and monitoring at the Branch and provide quick action to repair the pipe leaks.
  - Train, on-the-job, the NRW technicians in the branch and support their career development.
  - Work closely with water meter readers at the Branch to ensure accuracy of the data collected for the analysis of commercial loss.
  - Design leakage control measures like pressure management, and together with the operations and maintenance teams at the Branch, develop a plan to implement them.
  - Work with the GIS team at the Head Office to populate and update GIS database of WASAC's water infrastructure in the Branch.

- Under supervision of the Engineer, the Technician shall install electromechanical equipment, construct civil and hydraulic works like pipe laying and manhole construction, among others.
- Assist the Engineer to implement leakage control measures like leakage monitoring, detection, pressure management, etc.
- Replace and (or) repair hydraulic equipment in the water network that may include, among others, bulk water meters, customer meters, valves (for all types and functions), bends, elbows, junctions etc.
- Assist WASAC GIS team to collect data and populate GIS database of water infrastructure in the Branch.
- Ensure a close working relationship with the existing operations and maintenance team at the Branch.
- Perform any other duty, relevant to NRW Reduction, as assigned by the NRW Engineer or Branch Manager.

#### The job Requirements.

- Having at least a bachelor's degree (A0) or Diploma (A1) in one of the following fields: Civil Engineering, Hydraulic Engineering, Water Engineering, Electromechanical Engineering, Electrical Engineering, Water and Environmental Engineering or Mechanical Engineering.
- Have at least 2 years' working experience for a bachelor's degree (A0), 4 years of working experience for those with Diploma (A1) and should have worked as plumber in water supply and distribution network.
- Have knowledge in implementation of NRW reduction techniques like pressure management, leaks monitoring and detection.
- Have class A driving license is a must.

How to apply

The interested candidates must submit the following soft documents to WASAC ltd email: [recruitments@wasac.rw](mailto:recruitments@wasac.rw) not later than 25/09/2020 at 05:00pm.

Documents to be submitted

- ✓ Job application form on WASAC ltd website;
- ✓ A copy of Degree;
- ✓ A copy of Service certificates as the proof of the related working experience is a MUST;
- ✓ A copy of driving license is a MUST.

Note: Get more information and application form on WASAC website [www.wasac.rw](http://www.wasac.rw), click on Career click again Job and get the form down on useful links.

All applicants must apply only using the above email and only selected candidate will be contacted.

Done on: 17/09/2020

Eng. Aimé MUZOLA

Chief Executive Officer

