

**OPS2023-HH-011**

**UTHUKELA WATER  
BIGGARSBERG WATER PURIFICATION PLANT**

**TERMS OF REFERENCE & REQUEST FOR QUOTATIONS**

**Introduction:**

It is the intention of uThukela Water to obtain the services of an accredited Laboratory to conduct full SANS 241:2015 analysis on potable and raw water samples and to submit an analytical report on the results obtained. The successful accredited Laboratory must be in an acceptable travelling distance from Newcastle.

The number of samples submitted will be seven raw water and seven potable water samples.

**Methodology and Approach:**

- Provide a price quotation (excluding Vat) to conduct full SANS 241:2015 analysis on potable and raw water samples as per variables listed in Table 1 below.
- Indicate the per sample volume required for the full SANS variables as listed in the table below.
- Indicate the time frame to obtain the results from date of submission.
- Provide a copy of the Laboratory's Accreditation certificate(s).

**Scope of work**

The price quoted is to include the following variables as listed in the table below (per sample cost):

Table 1: List of determinants

Analysis	Reported Unit	Potable Water	Raw Water
Colour	mg/L Pt-Co	✓	✓
Conductivity	mS/m	✓	✓
Total dissolved solids	mg/L	✓	✓
Turbidity	NTU	✓	✓
pH at 25°C		✓	✓
Free Chlorine as Cl <sub>2</sub>	mg/L	✓	✗
Nitrate as N	mg/L	✓	✓
Nitrite as N	mg/L	✓	✓
Combined nitrate plus nitrite		✓	✓
Sulphate as SO <sub>4</sub>	mg/L	✓	✓
Fluoride as F	mg/L	✓	✓
Ammonia as N	mg/L	✓	✓
Chloride as Cl	mg/L	✓	✓
Sodium as Na	mg/L	✓	✓
Zinc as Zn	mg/L	✓	✓
Antimony as Sb	µg/L	✓	✓
Arsenic as As	µg/L	✓	✓
Barium as Ba	µg/L	✓	✓
Boron as B	µg/L	✓	✓
Cadmium as Cd	µg/L	✓	✓
Total Chromium as Cr	µg/L	✓	✓
Copper as Cu	µg/L	✓	✓
Cyanide (recoverable) as CN	µg/L	✓	✓
Iron as Fe	µg/L	✓	✓
Lead as Pb	µg/L	✓	✓
Manganese as Mn	µg/L	✓	✓
Mercury as Hg	µg/L	✓	✓
Nickel as Ni	µg/L	✓	✓
Selenium as Se	µg/L	✓	✓
Uranium as U	µg/L	✓	✓
Aluminium as Al	µg/L	✓	✓
Total organic carbon as C	mg/L	✓	✓
Chloroform	µg/L	✓	✗
Bromoform	µg/L	✓	✗
Dibromochloromethane	µg/L	✓	✗
Bromodichloromethane	µg/L	✓	✗
Combined trihalomethane	ratio	✓	✗
Total microcystin	µg/L	✓	✓
Phenols	µg/L	✓	✓
<i>E.coli</i>	Count per 100 mL	✓	✓
<i>Cryptosporidium</i> species	Count per 10 L	✓	✓
<i>Giardia</i> species	Count per 10 L	✓	✓
Total coliforms	Count per 100 mL	✓	✓
Heterotrophic plate count	Count per mL	✓	✗
Somatic coliphages	Count per 10 mL	✓	✓

✓ required  
✗ not required

For any queries, please contact:

Mrs H. Hickley, 034 328 5000, [hannelie.hickley@uthukelawater.co.za](mailto:hannelie.hickley@uthukelawater.co.za)

or

Ms N. Zakwe, 082 774 4291, [nondumiso.zakwe@uthukelawater.co.za](mailto:nondumiso.zakwe@uthukelawater.co.za)

### 1. Quotations must be submitted in one of the following ways:

- Bids will be adjudicated in terms of the Preferential Procurement Regulation, 2017 pertaining to Preferential Procurement Policy Framework Act, 5/2000 and other applicable legislations, and will be based on 80/20 points system. Preference points will be awarded to service providers using their B-BBEE status level of contribution.
- The municipal Entity reserves a right to accept all, some or none of the bids submitted, either wholly or in part and is not obliged to accept the lowest bid. The supplier of a successful quotation must be on the UTW financial system before an order will be issued.

Please contact the Procurement Officer for details of the procedure to be included on the vendor's list.

- Proposal/quotes are to be submitted via an email to [quotes@uthukelawater.co.za](mailto:quotes@uthukelawater.co.za) attention to SCM Manager Miss X Mgaga on or before the due date: **11 October 2022 @ 4:30pm**.  
*Subject "OPS2023-HH-011"*

**Please ensure the following is submitted:**

- Central Supplier Database Report
- Tax pin
- BBBEE Certificate
- Signed MBD 4 & 9
- For Procurement queries, please contact **Mr Linda Mcambi Telephone no: 0343285000**