



RFQ 019/2016-17

Makana Local Municipality hereby invites experienced service provider to provide quotes for Water Sampling: FULL SANS 241-1:15 ANALYSIS AT 30 SAMPLING POINTS.

Project Name	Contract Number	Points Allocated	Contact Person	Date
Water Sampling	019/2016-17	80/20	Ms. N. Tshicilela 046 603 6063	13/12/16 @ 12:00

All RFQ's submitted will be evaluated in terms of the Council's Supply Chain Management and the Preferential Procurement Policies. All bidders have to be registered on the Makana Municipal Supplier Database and CSD.

The minimum specifications are detailed in the Terms of Reference document and are available at Makana SCM unit at no cost to the service provider.

THE FOLLOWING DOCUMENTS MUST ACCOMPANY TENDERS SUBMITTED BY PROSPECTIVE SERVICE PROVIDERS IN ORDER FOR THEM TO BE CONSIDERED. FAILING WHICH THEY WILL BE DISQUALIFIED:-

- a) **Original Valid SARS Tax Clearance certificate**
- b) **Original Certified copy/ies of Identity Document/s of the Directors**
- c) **Copy/ies of Company composition documents e.g. CK1, Ck2 or Trust document**
- d) **Valid Billing Clearance Certificate from your local municipality (with contactable references) or valid lease agreement (copy)**
- e) **Completion of MBD4 and MBD9 forms**

BIDDER'S EMPLOYED BY THE STATE WILL NOT BE CONSIDERED

A VALID CERTIFIED COPY OF THE TENDER'S B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE MUST BE SUBMITTED IN ORDER TO QUALIFY FOR B-BBEE PREFERENCE POINTS.

Late submitted, faxed, falsified and e-mail tender documents will not be considered.

Closing Date: Completed bid documents in sealed envelopes, clearly marked "**Water Sampling**" should be deposited in the RFQ box situated at No 86 High Street 1st Floor Budget & Treasury Department: Makana Local Municipality Offices Grahamstown not later than 13 December 2016 @ 12H00 where they will be opened in public.

Makana Local Municipality does not bind itself to accept the lowest or any bid and reserves the right to accept the whole or part of the bid.

All Technical Enquiries are to be directed as follows: **Ms. N. Tshicilela** on 046 603 6063 or ntshicilela@makana.gov.za

All SCM related enquiries are to be directed as follows: Ms. Z. Gxowa Tel: 046 603 6022


Mr. M. PLANGA
ACTING MUNICIPAL MANAGER



REQUEST FOR QUOTATIONS

QUOTATION NO: 019/2016-17

WATER SAMPLING: FULL SANS 241-1:15 ANALYSIS AT 30 SAMPLING POINTS

Quotations are requested for the following items from suitable service providers:

1. SCOPE

The specification covers the requirements to conduct full SANS 241-1:15 for sampling and analysis of water determinands at 30 sampling points in Makana jurisdiction. The sampling points are spread through Makana Jurisdiction e.g. Grahamstown, Alicedale and Riebeeck East. Sampling points to cover 80% of the total population which includes 4 Water Treatment Plants and points on the reticulation system.

2. LOCALITY

Two of the Water Treatment Works are located within Grahamstown and the other allocated in Alicedale and Riebeeck East which is approximately 60km from Grahamstown.

- Waainek WTW – located in Grahamstown within km from town: **S 33°19' 34.0" / E 26°29' 20.0"**
- James Kleynhans WTW – located in Grahamstown about 25km from town: **S 33°11' 44.0" / E 26°39' 44.0"**
- Alicedale WTW – located in Alicedale: **S 33°19' 04.4" / E 26°04' 52.1"**
- Riebeeck East WTW – located in Riebeeck East: **S 33°12' 7.36" / E 26°8' 29"**

The sampling points on the distribution network are spread within a distance of 5km as follows:

- Alicedale – 7 points
- Grahamstown – 15
- Riebeeck East - 4

3. EXPERIENCE

Service Providers to give reference list of the Municipalities or Institutions where they provided such service.

4. GENERAL REQUIREMENTS

The specification covers the requirements for full **SANS 241-1:15** sampling and analysis of water at 30 sampling points including Four (4) Water Treatment Works and 26 sampling points on the distribution network.

In order to be awarded the contract, the Service Provider:

- Must have laboratory facilities to conduct the analysis.
- Comply with the quality requirements and have accredited methods and quality control procedures
- Analysis to be as per requirements for SANS 241-1:2015
- The successful tenderer must provide the data on a printed test report as soon as the data is available.
- The successful tenderer(s) must maintain the data results by:
 - Registration of samples which are delivered to the laboratories to indicate sample number, sample date and time, analysis date and time, etc.
 - Analyses method information used by the laboratory
 - Capturing and storage of results
- The tenderer must comply with the general requirements and reporting format specifications as specified.

5. QUALITY REQUIREMENTS AND QUALITY CONTROL

- The laboratory must indicate whether it is accredited by a recognised authority or, if not, whether it is participating on an applicable Proficiency Scheme Test score (Z- score). Proof of certificates to be provided.
- The laboratory must ensure that instruments are calibrated regularly with freshly prepared standards, as recommended in the documented analytical method used.
- Laboratory facilities must be open for inspection by the Municipal personnel prior to as well as after possible allocation of the tender.
- Sampling to be conducted by trained samplers. Certificates for Samplers to be provided
- Sample collection, storage and transportation to be done as per requirements by SANS standards.
- Microbiological samples to be analysed within 24-hours of sampling.
- Chemical and Physical samples to be analysed within a week of sampling.

6. ANALYSIS SCHEDULE

DETERMINAND	UNIT	UNIT PRICE	QUANTITY	PRICE
Microbiological				
E.coli or faecal coliforms	Count per 100mL			
Protozoan parasites Cryptosporidium species Giardia species	Count per 10L Count per 10L			
Total coliforms	Count per 100 mL			
Heterotrophic plate count	Count per mL			
Somatic coliphages	Count per 10 mL			
Physical, aesthetic, operational and chemical determinands				
Colour	Mg/L Pt - Co			
Conductivity at 25°C	mS/m			
Total dissolved solids	Mg/L			
Turbidity	NTU			
PH at 25°C	PH units			
Chemical determinands – macro-determinands				
Free chlorine as Cl ₂	mg/L			
Monochloramine	mg/L			
Nitrate as N	mg/L			
Nitrite as N	mg/L			
Combined nitrate plus nitrite				
Sulfate as SO ₄	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			
Chemical determinands – micro-determinands				
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 (recovable) as CN	µg/L			
Iron Fe	µg/L			
Lead as Pb	µg/L			
Manganese as Mn	µg/L			
Mercury as Hg	µg/L			
Nickel as Ni	µg/L			
Selenium Se	µg/L			
Uranium as U	µg/L			
Aluminium as Al	µg/L			
Admin Fee (report preparation)				
Sampling (labour & travel per day)				
Total Excl VAT				
VAT				
Total Incl VAT				

KEY INDICATORS:

Laboratory to indicate determinants that are subcontracted to other laboratory with a letter (s). proof of contract / agreement to be attached.

MR. M. PLANGA
ACTING MUNICIPAL MANAGER