



Request for Proposals (RFP)

The provision of microbiological analyses on environmental media for the CSIR

RFP No. 3385/20/08/2020

Date of Issue	Wednesday, 05 August 2020	
Closing Date	Thursday, 20 August 2020 at 16:30	
Tender submission	All tender proposals must be submitted at: tender@csir.co.za	
Enquiries	Strategic Procurement Unit	E-mail: tender@csir.co.za
CSIR business hours	08:00 – 16:30	
Category	Professional Services	

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1 INTRODUCTION

The Council for Scientific and Industrial Research (CSIR) is one of the leading scientific research and technology development organisations in Africa. In partnership with national and international research and technology institutions, the CSIR undertakes directed and multidisciplinary research and technology innovation that contributes to the improvement of the quality of life of South Africans. The CSIR's main site is in Pretoria, but is represented in other provinces of South Africa by regional offices.

2 BACKGROUND

The CSIR routinely performs contract and research projects that require the microbial or viral analysis of freshwater (including drinking water), seawater (including estuarine water), wastewater (including effluent), sediment/soil and biological tissue. The CSIR does not have the in-house capability to perform analyses at all its campuses. The CSIR thus calls for proposals from appropriately qualified and accredited service providers to provide this service to the CSIR for a period of five years for its Campuses in Stellenbosch and Durban. The CSIR may appoint several laboratories depending on the scope of services that can be provided and the laboratories location. The signing of an agreement between the CSIR and a service provider will not guarantee the service provider will be used. This is because the quantity and scope of analyses cannot be guaranteed or anticipated at this time and will be contracted on an as and when required basis, following the provision of a quote.

3 INVITATION FOR PROPOSAL

Proposals are hereby invited for the provision of microbiological analysis of environmental media to the CSIR.

4 PROPOSAL SPECIFICATION

All proposals must be submitted in the format specified in this enquiry. However, tenderers are welcome to submit additional/alternative proposals over and above the originally specified format.

4.1 Laboratory location:

Respondent laboratories should ideally be based in or near Stellenbosch/Cape Town and the greater Durban areas due to time constraints for the analysis of samples after collection and delivery to the CSIR campuses in Stellenbosch and Durban. Although this is not a strict requirement (*e.g.* for viruses), preference might need to be given to respondent laboratories in these locations for certain analyses due to technical conditions for research and contract projects pertaining to sample holding and analysis times (typically maximum of 10 hours after collection). In these cases, it is impossible to courier samples outside the Stellenbosch/Cape Town and the greater Durban areas since this will exceed relevant holding and analysis times.

4.2 Sample analysis outside of working hours:

Respondent laboratories must clearly state if they analyse samples outside of working hours (8 AM – 4:30 PM). This is because research and contract projects often require the collection of samples in remote areas or at regular intervals throughout the day, and sample delivery to the to the CSIR campuses in Stellenbosch and Durban is thus frequently late in the day. Ensuring that samples are analysed within preferred/contracted holding and analysis times thus requires analyses out of working hours.

4.3 Laboratory accreditation:

Respondent laboratories must be SANAS accredited, although not necessarily for all analyses or analyses on all environmental matrices. Proof of accreditation must be provided (does not need to be certified). Failure to provide proof of accreditation is an elimination criterion (see Section 6 below). Respondent laboratories should at a minimum be accredited for the membrane filtration method for liquid samples, as relevant, as this is the method the CSIR has used historically and provides continuity. Respondent laboratories must clearly state for which methods they are accredited - complete Annexures B and C to facilitate adjudication. The CSIR may require detailed method statements/descriptions during the adjudication process and respondent laboratories should be in a position to provide this if requested. Respondent laboratories should be prepared to allow the method followed to be described in a scientific journal publications and in technical reports or guidelines that the CSIR routinely prepares.

4.4 Required analyses:

The following analyses may be required by the CSIR on environmental matrices that include seawater, freshwater, wastewater (effluent), sediment/soil and biological tissue. Respondent laboratories do not need to be able to perform all analyses, or analyses in all environmental matrices – quote as competent to analyse.

- Total coliforms
- Thermotolerant coliforms
- Faecal coliforms
- *Escherichia (E.) coli*
- Faecal enterococci
- Faecal streptococci
- Heterotrophic plate count
- Faecal coliforms, *E. coli*, faecal enterococci (as a 'package')
- *E. coli* and faecal enterococci (as a 'package')
- Heterotrophic Plate Count, Total Coliforms, Faecal Coliforms, *E. coli* (as a 'package')
- *Giardia*
- *Cryptosporidium*
- *Giardia* and *Cryptosporidium* (as a 'package')
- *Clostridium*
- *Salmonella* spp
- *Vibrio cholerae*
- *Shigella*
- Norovirus
- Hepatitis A
- Adenovirus
- Sapovirus
- Astrovirus
- Rotavirus
- Enterovirus

4.5 Quality assurance and quality control:

Respondent laboratories must provide information on quality assurance and quality control procedures followed in their laboratory/laboratories.

4.6 Turnaround time:

The turnaround time for sample analysis must be provided (total days, regardless of whether working days or not, from date of sample receipt).

4.7 Deliverables:

The results of analyses must be provided as a laboratory certificate and an Excel (or comparable) spreadsheet, and should include quality assurance and quality control results as relevant. Respondents may elaborate further on their reporting procedure should they consider this necessary.

4.8 Price:

Prices for analyses should be provided for the CSIR 2020/2021 financial year (*i.e.* until end March 2021). Prices should be provided for the analysis of a single sample. Respondents may include discounts that come into force if a certain number of samples are submitted for analysis. A separate price should be provided for analyses performed during (8 AM – 4:30 PM) and out (other times) of working hours should the respondent laboratory provide an out of working hours service and charge differently for such (see also Section 14 below). A contract entered between the successful service provider/s and the CSIR will include a clause pertaining to annual increases in sample analysis price, as per the CSIR financial year. Respondent laboratories must complete Annexures D and E to facilitate adjudication..

4.9 Sample collection:

Respondent laboratories must clearly state if they collect, or will organise for the collection of samples. If so, the cost of collection should be included in the price, using the CSIR Stellenbosch campus or CSIR Durban campus as the collection point. Respondent laboratories must provide cool boxes and ice to ensure samples are kept cool during transport. Respondent laboratories should note that samples may on occasion be delivered several times in the day to CSIR laboratories. Respondent laboratories should thus be prepared to collect/organise collection of samples several times in a day.

4.9 Sample containers:

Respondent laboratories must be in a position to provide sterilised sample containers to the CSIR in Stellenbosch or Durban at short notice, at their cost. This may include as few as 2 or 3 to as many as 150 containers at any time (this excludes virus analysis, for which special arrangements will be made). Respondent laboratories must clearly state if they are unable to deliver sample containers to the CSIR. If a respondent laboratory does deliver sample containers the price should be provided, using the CSIR Stellenbosch campus or CSIR Durban campus or CSIR Durban campus as the delivery point.

5 FUNCTIONALITY EVALUATION

5.1 The functionality evaluation criteria will be based on the following (see Annexure A):

- Respondent laboratory will be able to organise collection of samples from CSIR Stellenbosch Environmental Laboratory/CSIR Durban Laboratory as and when required (15%).

- Respondent laboratory will provide and deliver sample containers to CSIR Stellenbosch Environmental Laboratory/CSIR Durban Laboratory (10%).
- Proof of SANAS accreditation for tendered analyses (50%).
- Turnaround time (5%).
- Respondent laboratory will analyse samples out of normal hours (20%).

Proposals with functionality points of less than the pre-determined minimum overall percentage of **70%** will be eliminated from further evaluation. Refer to **Annexure A** for functionality evaluation scoresheet

6 ELIMINATION CRITERIA

Proposals will be eliminated under the following conditions:

- Proposal submission after the deadline.
- Proposals submitted at incorrect location, proposals must be submitted to: tender@csir.co.za
- Respondent laboratory is not SANAS accredited.

7 NATIONAL TREASURY CENTRAL SUPPLIER DATABASE REGISTRATION

Before any negotiations will start with the winning bidder it will be required from the winning bidder to:

- be registered on National Treasury's Central Supplier Database (CSD). Registrations can be completed online at: www.csd.gov.za;
- provide the CSIR of their CSD registration number; and
- provide the CSIR with a certified copy of their B-BBEE certificate. If no certificate can be provided, no points will be scored during the evaluation process. (RSA suppliers only)
- Preference will be given to Level 1 - 4 B-BBEE suppliers
- B-BBEE certificate must be issued by SANAS accredited agency or a valid sworn affidavit in line with DTI regulations

SECTION B – TERMS AND CONDITIONS

8 VENUE FOR PROPOSAL SUBMISSION

Due to the Covid-19 pandemic, all proposals must be submitted at: tender@csir.co.za

If the documents size exceed 30MB, send multiple emails. Use the tender number RFP: 000/14/08/2020 and description as the subject on the email.

9 TENDER PROGRAMME

The tender program, as currently envisaged, incorporates the following key dates:

- Issue of tender documents: Wednesday, 05 August 2020
- Closing / submission Date: Thursday, 20 August 2020 at 16:30

10 SUBMISSION OF PROPOSALS

10.1 Due to the Covid-19 pandemic, proposals must be submitted at: tender@csir.co.za.

- 10.2** All proposals are to be clearly marked with the RFP number under the subject on each e-mail submission
- 10.3** Proposals must consist of two parts, each of which is submitted in a separate e-mail package clearly marked with the RFP Number and the description of the tender
- 10.4** Proposals must consist of two parts, each of which is submitted in a separate e-mail package clearly marked with the RFP Number and the description of the tender
- PART 1: Technical Proposal: RFP Number: **3385/20/08/2020**.
 - PART 2: Pricing Proposal, B-BBEE and other Mandatory Documentation: RFP Number: **3385/20/08/2020**.
- 10.5** Proposals submitted by email must include " Provision of microbiological analyses on environmental media to the CSIR" in the subject line.
- 10.6** Proposals submitted by companies must be signed by a person or persons duly authorised thereto by a resolution of a Board of Directors.
- 10.7** The CSIR will award the contract to qualified tenderer (s)' whose proposal is determined to be the most advantageous to the CSIR, taking into consideration the technical (functionality) solution, price and B-BBEE.

11 DEADLINE FOR SUBMISSION

Proposals shall be submitted at the address mentioned above no later than **20 August 2020**. The CSIR business hours are between **08:00 – 16:30**. Where a proposal is not received by the CSIR by the due date and at the correct location: tender@csir.co.za it will be regarded as a late tender. Late tenders will not be considered.

12 AWARDING OF TENDERS

Awarding of tenders will be published on the National Treasury e-tender portal or the CSIR's tender website. No regret letters will be sent out.

13 EVALUATION PROCESS AND CRITERIA

13.1 Evaluation of proposals

All proposals will be evaluated by an evaluation team for functionality, price and B-BBEE (latter for South African suppliers only). Based on the results of the evaluation process the CSIR will approve the awarding of a contract to successful tenderers. A two-phase evaluation process will be followed.

- The first phase includes **functionality**.
- The second phase includes the evaluation of **price** and **B-BBEE** status.

Pricing Proposals will only be considered after the functionality phase has been adjudicated and accepted. Only proposals that achieved a minimum qualification score for functionality will be evaluated further using the preference points system.

- The **80/20** preference point system will be used where **80** points will be dedicated to price and **20** points to B-BBEE status.

14 PRICING PROPOSAL

- 14.1 Pricing proposal must be cross-referenced to the sections in the Technical Proposal. Any options offered must be clearly labelled. Separate pricing must be provided for each option offered to ensure that pricing comparisons are clear and unambiguous.
- 14.2 Price needs to be provided in South African Rand (excl. VAT), with details on price elements that are subject to escalation and exchange rate fluctuations clearly indicated.
- 14.3 Price should include additional cost elements such as freight, insurance until acceptance, duty where applicable.
- 14.4 Only firm prices* will be accepted during the tender validity period. Non-firm prices** (including prices subject to rates of exchange variations) will not be considered.
- 14.5 Respondent laboratories should include a table providing prices for analyses as set out in Annexures D and E.

**Firm price is the price that is only subject to adjustments in accordance with the actual increase or decrease resulting from the change, imposition, or abolition of customs or excise duty and any other duty, levy, or tax which, in terms of a law or regulation is binding on the contractor and demonstrably has an influence on the price of any supplies, or the rendering costs of any service, for the execution of the contract;*

***Non-firm price is all prices other than "firm" prices.*

- 14.6 Payment will be according to the CSIR Payment Terms and Conditions.

15 VALIDITY PERIOD OF PROPOSAL

The **proposal** shall be valid for a minimum period of three months calculated from the closing date.

16 APPOINTMENT OF SERVICE PROVIDER/S

The contract will be awarded to the tenderer/s that score the highest total number of points during the evaluation process per analysis (or analytical suite), except where the law permits otherwise. Appointment as a successful service provider shall be subject to the parties agreeing to mutually acceptable contractual terms and conditions. In the event of the parties failing to reach such agreement CSIR reserves the right to appoint an alternative supplier.

17 ENQUIRIES AND CONTACT WITH THE CSIR

Any enquiry regarding this RFP shall be submitted in writing to CSIR at tender@csir.co.za with "**RFP No 3385/20/08/2020 – Provision of microbiological analyses on environmental media for the CSIR Stellenbosch Environmental Laboratory**" as the subject.

Any other contact with CSIR personnel involved in this tender is not permitted during the RFP process other than as required through existing service arrangements or as requested by the CSIR as part of the RFP process.

18 MEDIUM OF COMMUNICATION

All documentation submitted in response to this RFP must be in English, unless otherwise indicated under technical specification.

19 COST OF PROPOSAL

Tenderers are expected to fully acquaint themselves with the conditions, requirements and specifications of this RFP before submitting proposals. Each tenderer assumes all risks for resource commitment and expenses, direct or indirect, of proposal preparation and participation throughout the RFP process. The CSIR is not responsible directly or indirectly for any costs incurred by tenderers.

20 CORRECTNESS OF RESPONSES

20.1 The tenderer furthermore confirms satisfaction regarding the correctness and validity of their proposal and that all prices and rates quoted cover all the work/items specified in the RFP, and that prices and rates quoted cover all obligations under any resulting contract.

20.2 The tenderer accepts that any mistakes regarding prices and calculations will be at their own risk.

21 VERIFICATION OF DOCUMENTS

21.1 Tenderers should check the numbers of the pages to satisfy themselves that none are missing or duplicated. No liability will be accepted by the CSIR in regard to anything arising from the fact that pages are missing or duplicated.

21.2 Pricing schedule and B-BBEE credentials should be submitted with the proposal, but as a separate document and no such information should be available in the technical proposal.

21.3 Due to the Covid-19 pandemic, all proposals must be submitted at: tender@csir.co.za

22 SUB-CONTRACTING

22.1 A tenderer will not be awarded points for B-BBEE status level if it is indicated in the tender documents that such a tenderer intends sub-contracting more than **25%** of the value of the contract to any other enterprise that does not qualify for at least the points that such a tenderer qualifies for, unless the intended sub-contractor is an exempted micro enterprise that has the capability and ability to execute the sub-contract (applicable to SA suppliers only).

22.2 A tenderer awarded a contract may not sub-contract more than **25%** of the value of the contract to any other enterprise that does not have an equal or higher B-BBEE status level than the person concerned, unless the contract is sub-contracted to an exempted micro enterprise that has the capability and ability to execute the sub-contract (applicable to SA suppliers only).

23 ENGAGEMENT OF CONSULTANTS

CSIR Consultants will only be remunerated at the rates:

23.1 Determined in the "Guideline for fees", issued by the South African Institute of Chartered Accountants (SAICA); or

23.2 Set out in the "Guide on Hourly Fee Rates for Consultants", by the Department of Public Service and Administration (DPSA); or

23.3 Prescribed by the body, regulating the profession of the consultant.

24 TRAVEL EXPENSES

24.1 All travel expenses for the CSIR's account, be it directly via the CSIR's travel agent or indirectly via reimbursements, must be in line with the CSIR's travel policy. The following will apply:

24.2 Only economy class tickets will be used.

24.3 A maximum of R1300 per night for accommodation, dinner, breakfast and parking will be allowed.

24.4 No car rentals of more than a Group B will be accommodated.

25 ADDITIONAL TERMS AND CONDITIONS

- 25.1** A tenderer shall not assume that information and/or documents supplied to CSIR, at any time prior to this request, are still available to CSIR, and shall consequently not make any reference to such information document in its response to this request.
- 25.2** A copy/s of any affiliations, memberships and/or accreditations that support your submission must be included in the tender.
- 25.3** In case of proposal from a joint venture, the following must be submitted together with the proposal:
- Joint venture Agreement including split of work signed by both parties;
 - Each party's B-BBEE and Tax Clearance Certificate (applicable to SA suppliers only);
 - Proof of ownership/shareholder certificates/copies of Identity document; and
 - Company registration certificates.
- 25.4** An omission to disclose material information, a factual inaccuracy, and/or a misrepresentation of fact may result in the disqualification of a tender, or cancellation of any subsequent contract.
- 25.5** The supplier shall under no circumstances offer, promise or make any gift, payment, loan, reward, inducement, benefit or other advantage, which may be construed as being made to solicit any favour, to any of the CSIR employees or its representatives.
- 25.6** Such an act shall constitute a material breach of the Agreement and the CSIR shall be entitled to terminate the Agreement forthwith, without prejudice to any of its rights.
- 25.7** CSIR shall be entitled to terminate the Agreement forthwith, without prejudice to any of its rights.
- 25.8** CSIR's decision on tenders received shall be final and binding.
- 25.9** Failure to comply with any of the terms and conditions as set out in this document will invalidate the Proposal.

26 CSIR RESERVES THE RIGHT TO

- 26.1** Extend the closing date;
- 26.2** Verify any information contained in a proposal;
- 26.3** Request documentary proof regarding any tendering issue;
- 26.4** Give preference to locally manufactured goods;
- 26.5** Appoint one or more service providers, separately or jointly (whether or not they submitted a joint proposal);
- 26.6** Award this RFP as a whole or in part;
- 26.7** Cancel or withdraw this RFP as a whole or in part.

27 DISCLAIMER

This RFP is a request for proposals only and not an offer document; answers to it must not be construed as acceptance of an offer or imply the existence of a contract between the parties. By submission of its proposal, tenderers shall be deemed to have satisfied themselves with and to have accepted all Terms & Conditions of this RFP. The CSIR makes no representation, warranty, assurance, guarantee or endorsements to tenderer concerning the RFP, whether with regard to its accuracy, completeness or otherwise and the CSIR shall have no liability towards the tenderer or any other party in connection therewith.

28 DECLARATION BY THE TENDERER

Only tenderers who have completed the declaration below will be considered for evaluation.

RFP No: **3385/20/08/2020**

I hereby undertake to render services described in the attached tendering documents to CSIR in accordance with the requirements and task directives / proposal specifications stipulated in RFP No. **3385/20/08/2020** at the price/s quoted. My offer/s remains binding upon me and open for acceptance by the CSIR during the validity period indicated and calculated from the closing date of the proposal.

I confirm that I am satisfied with regards to the correctness and validity of my proposal; that the price(s) and rate(s) quoted cover all the services specified in the proposal documents; that the price(s) and rate(s) cover all my obligations and I accept that any mistakes regarding price(s) and rate(s) and calculations will be at my own risk.

I accept full responsibility for the proper execution and fulfilment of all obligations and conditions devolving on me under this proposal as the principal liable for the due fulfilment of this proposal.

I declare that I have no participation in any collusive practices with any tenderer or any other person regarding this or any other proposal.

I accept that the CSIR may take appropriate actions, deemed necessary, should there be a conflict of interest or if this declaration proves to be false.

I confirm that I am duly authorised to sign this proposal.

NAME (PRINT)
CAPACITY
SIGNATURE
NAME OF FIRM
DATE.....

WITNESSES	
1
2
DATE:	

29 ANNEXURE A: FUNCTIONALITY EVALUATION SCORESHEET

Functional Factors	Weighting	Functionality/Technical Scoring/ Rating			
		0	5	8	10
Ability of the respondent laboratory to (be able to) collect samples from CSIR Stellenbosch Environmental Laboratory and or CSIR Durban Laboratory	15%	Did not provide information	The respondent laboratory will struggle to collect samples from CSIR Stellenbosch Environmental Laboratory and or CSIR Durban. Their Laboratory is more than 250 km away from where services are required or where services must be delivered	The respondent laboratory has a branch within the 80 km from where services are required and has the ability to collect samples from CSIR Stellenbosch Environmental Laboratory and or CSIR Durban Laboratory	The respondent laboratory has full capacity and has an establishment within close proximity from where services are required and has the ability to collect samples from CSIR Stellenbosch Environmental Laboratory and or CSIR Durban Laboratory
Proof of SANAS accreditation for tendered analyses	50%	Did not provide information	SANAS accredited for 5 or fewer required analyses	SANAS accredited for 10 or fewer required analyses	SANAS accredited for 10 or more required analyses
Turnaround time (till reporting)	5%	Did not provide information	Turnaround time of 15 or more days	Turnaround time of 11-14 days	Turnaround time of 10 or fewer days
Respondent laboratory will analyse samples out of normal working hours	20%	Did not provide information	The Respondent laboratory is unable to provide analyses out of working hours. Only operate Monday to Friday	The Respondent laboratory able to provide analyses out of some working hours. Operate 7 days a week but has limited working hours	The Respondent laboratory able to provide analyses out of working days and working hours
Respondent laboratory will provide and deliver sample containers to CSIR Stellenbosch Environmental Laboratory/CSIR Durban Laboratory	10%	Did not provide information	Will not provide and deliver sample containers		Will provide and deliver sample containers

ANNEXURE B: Accreditation – in relevant cells indicate (X) analyses that that respondent laboratory is SANAS accredited to perform

Analyte	Seawater	Freshwater	Wastewater (effluent)	Sediment	Biological tissue
Total coliforms					
Thermotolerant coliforms					
Faecal coliforms					
<i>E. coli</i>					
Faecal enterococci					
Faecal streptococci					
Heterotrophic plate count					
Faecal coliforms, <i>E. coli</i> , enterococci (as a 'package')					
<i>E. coli</i> and enterococci (as a 'package')					
Heterotrophic Plate Count, Total Coliforms, Faecal Coliforms, <i>E. coli</i> (as a 'package')					
Faecal Coliforms, <i>E. coli</i> (as a 'package')					
<i>Giardia</i>					
<i>Cryptosporidium</i>					
<i>Giardia</i> and <i>Cryptosporidium</i> (as a 'package')					
<i>Salmonella</i> spp					
<i>Vibrio cholerae</i>					
<i>Shigella</i>					
Norovirus					
Hepatitis A					
Adenovirus					
Sapovirus					
Astrovirus					
Rotavirus					
Enterovirus					

30 ANNEXURE C: Non-accredited analyses – in relevant cells indicate (X) the analyses that can be performed by respondent laboratory, but for which the laboratory is not SANAS accredited

Analyte	Seawater	Freshwater	Wastewater (effluent)	Sediment	Biological tissue
Total coliforms					
Thermotolerant coliforms					
Faecal coliforms					
<i>E. coli</i>					
Faecal enterococci					
Faecal streptococci					
Heterotrophic plate count					
Faecal coliforms, <i>E. coli</i> , enterococci (as a 'package')					
<i>E. coli</i> and enterococci (as a 'package')					
Heterotrophic Plate Count, Total Coliforms, Faecal Coliforms, <i>E. coli</i> (as a 'package')					
Faecal Coliforms, <i>E. coli</i> (as a 'package')					
<i>Giardia</i>					
<i>Cryptosporidium</i>					
<i>Giardia</i> and <i>Cryptosporidium</i> (as a 'package')					
<i>Salmonella</i> spp					
<i>Vibrio cholerae</i>					
<i>Shigella</i>					
Norovirus					
Hepatitis A					
Adenovirus					
Sapovirus					
Astrovirus					
Rotavirus					
Enterovirus					

31 ANNEXURE D: Price for analysis in working hours (8AM – 4 PM) – in relevant cells of the table provide the price per sample in ZAR

Analyte	Seawater	Freshwater	Wastewater (effluent)	Sediment	Biological tissue
Total coliforms					
Thermotolerant coliforms					
Faecal coliforms					
<i>E. coli</i>					
Faecal enterococci					
Faecal streptococci					
Heterotrophic plate count					
Faecal coliforms, <i>E. coli</i> , enterococci (as a 'package')					
<i>E. coli</i> and enterococci (as a 'package')					
Heterotrophic Plate Count, Total Coliforms, Faecal Coliforms, <i>E. coli</i> (as a 'package')					
Faecal Coliforms, <i>E. coli</i> (as a 'package')					
<i>Giardia</i>					
<i>Cryptosporidium</i>					
<i>Giardia</i> and <i>Cryptosporidium</i> (as a 'package')					
<i>Salmonella</i> spp					
<i>Vibrio cholerae</i>					
<i>Shigella</i>					
Norovirus					
Hepatitis A					
Adenovirus					
Sapovirus					
Astrovirus					
Rotavirus					
Enterovirus					

32 ANNEXURE E: Price for analysis out of working hours – in relevant cells of the table provide the price per sample in ZAR

Analyte	Seawater	Freshwater	Wastewater (effluent)	Sediment	Biological tissue
Total coliforms					
Thermotolerant coliforms					
Faecal coliforms					
<i>E. coli</i>					
Faecal enterococci					
Faecal streptococci					
Heterotrophic plate count					
Faecal coliforms, <i>E. coli</i> , enterococci (as a 'package')					
<i>E. coli</i> and enterococci (as a 'package')					
Heterotrophic Plate Count, Total Coliforms, Faecal Coliforms, <i>E. coli</i> (as a 'package')					
Faecal Coliforms, <i>E. coli</i> (as a 'package')					
<i>Giardia</i>					
<i>Cryptosporidium</i>					
<i>Giardia</i> and <i>Cryptosporidium</i> (as a 'package')					
<i>Salmonella</i> spp					
<i>Vibrio cholerae</i>					
<i>Shigella</i>					
Norovirus					
Hepatitis A					
Adenovirus					
Sapovirus					
Astrovirus					
Rotavirus					
Enterovirus					