

REQUEST FOR INFORMATION

RFI NUMBER:	JW RFI 10/05/2024	CLOSING DATE:	17 May 2024 @16h00
DESCRIPTION:	SUPPLY, INSTALLATION, COMMISSIONING, AND PROVIDING TRAINING FOR UV-VIS SPECTROPHOTOMETER FOR CHEMICAL OXYGEN DEMAND ANALYSIS ON A ONCE OFF BASIS AT CYDNA LABORATORIES, HOUGHTON.		
ISSUE DATE	10/05/2024		
Submit via Email to:	Sinna.hlongwane@jwater.co.za		

ENQUIRIES MAY BE DIRECTED TO:			
Bidding procedure inquiries <u>must</u> be sent to		Technical inquiries must be directed to	
CONTACT PERSON	Sinna Hlongwane	CONTACT PERSON	Michael Matsimbi
TELEPHONE NUMBER	0116881410	TELEPHONE NUMBER	011 483 9500
E-MAIL ADDRESS (Submissions must be made to this address)	Sinna.hlongwane@jwater.co.za	E-MAIL ADDRESS	Michael.matsimbi@jwater.co.za

SUPPLIER INFORMATION			
NAME OF BIDDER			
STREET ADDRESS			
TELEPHONE NUMBER	CODE		NUMBER
CELLPHONE NUMBER			
E-MAIL ADDRESS			
VAT REGISTRATION NUMBER			
CENTRAL SUPPLIER DATABASE No:			
MANUFACUTER OR THIRD PARTY			

1. PURPOSE OF THE REQUEST FOR INFORMATION

To assist the organization with business decision-making purposes for a once-off Request for Tender with regards to budget, cost-effectiveness, risk assessment, specific goals to include in the tender, award, and allocation strategy to incorporate, non-firm prices, pricing schedule, and special conditions of the tender.

2. BACKGROUND

Johannesburg Water invites service providers to respond to a Request for Information for the supply, installation, commissioning, and providing training for the UV-VIS SPECTROPHOTOMETER FOR CHEMICAL OXYGEN DEMAND ANALYSIS on a once-off basis at Cydna laboratories, Houghton. This RFI is strictly to solicit market-related information from potential bidder(s) for the supply, installation, commissioning, and providing training for the UV-VIS SPECTROPHOTOMETER FOR CHEMICAL OXYGEN DEMAND ANALYSIS on a once-off basis at Cydna laboratories, Houghton. This RFI does not constitute; an offer; or any impression whatsoever to do business with Johannesburg Water.

3. SCOPE OF WORK AND SPECIFICATIONS

REQUIREMENT

Johannesburg Water seeks responses from interested parties for the supply, installation, commissioning, and providing training for the UV-VIS SPECTROPHOTOMETER FOR CHEMICAL OXYGEN DEMAND ANALYSIS on a once-off basis at Cydna laboratories, Houghton.

GENERAL DESCRIPTION

The UV-VIS SPECTROPHOTOMETER FOR CHEMICAL OXYGEN DEMAND ANALYSIS is a vital piece of equipment for the Water laboratory, particularly when employing spectrophotometrical analysis of chemical oxygen demand method for analyzing approximately 600 samples for chemical oxygen demand (dams and streams, waste water, Ground water and Industrial effluent) per month. The uv-vis spectrophotometer significantly streamlines this process by dispensing required volume of chemical oxygen demand (COD) sample into a readily prepared reagents, ensuring that no fumes are generated during the preparation unlike the traditional titration method that generate more fumes during preparation. With a high sample throughput of 600 samples per month, manual preparation of samples and reagents with the traditional titrimetric method generate more fumes and waste during preparation and analysis, which poses a high risk in doing the chemical oxygen demand analysis and time-consuming, increasing the risk of errors and inconsistency in manual preparation of samples and analysis through manual titration. By automating these critical step of automatic reading the sample on the spectrophotometer, this will not only improve the efficiency of the chemical oxygen demand method but also enhances the accuracy and reproducibility of results, and reducing of waste and fumes generated through out analysis of

samples. Does crucial for maintaining the integrity of chemical oxygen demand analysis in the laboratory.

LOCATION OF SITES

The site is located within a radius of 40 km of the center of Johannesburg, and it is as follows:

- Cydna Laboratories

Cydna laboratories are situated at No. 75 4th St, Houghton Extend, Johannesburg, 2192.

SPECIFICATION & SCOPE OF WORK

Supply, installation, commissioning, and providing training for the UV-VIS SPECTROPHOTOMETER FOR CHEMICAL OXYGEN DEMAND ANALYSIS on a once-off basis at Cydna laboratories, Houghton.: The work consists of the following:

- **Supply of uv-vis spectrophotometer for chemical oxygen demand analysis on a once-off basis at Cydna laboratories, Houghton.**
- **Delivery of uv-vis spectrophotometer for chemical oxygen demand analysis on a once-off basis at Cydna laboratories, Houghton.**
- **Installation of uv-vis spectrophotometer for chemical oxygen demand analysis on a once-off basis at Cydna laboratories, Houghton.**
- **Commissioning of of uv-vis spectrophotometer for chemical oxygen demand analysis on a once-off basis at Cydna laboratories, Houghton.**
- **Training of uv-vis spectrophotometer for chemical oxygen demand analysis on a once-off basis at Cydna laboratories, Houghton.**
- **Provision of Reagents and consumables for uv-vis spectrophotometer for chemical oxygen demand analysis on a once-off basis at Cydna laboratories, Houghton.**
- **Three-year Maintenance of uv-vis spectrophotometer for chemical oxygen demand analysis on a once-off basis at Cydna laboratories, Houghton.**



Table 1: Breakdown of UV-VIS spectrophotometer, Heating digestion block Thermoreactor, reagents and consumables and three(3) year maintenance plan:

1. UV-VIS SPECTROPHOTOMETER FOR CHEMICAL OXYGEN DEMAND SPECIFICATION

ITEM	SPECIFICATIONS REQUIRED	COMPLIED YES/NO
1	Visible with wavelength range 320-1100 nm	
2	Ambient protection light	
3	Operating condition of 10-40 degrees celcius	
4	LIMS direct PD or dashboard(cloud solution) for data transfer	
5	Operating mode: transmittance%, absorbance and concentration	
5	Smart screen display	
6	Spectral bandwidth 2 nm	
7	Live ID system	
8	AQA	
9	Sample matrix check	
10	Free software update and communication interfaces(USB)	
11	Test tube 16 mm OD, Rectangular cells 10,20,40 and 50 mm with automatic recognition	
12	2-3 year warranty	



13	Installation and commissioning	
14	Training of 4 laboratory personnel	
15	Consumables that are compatible with the uv-vis spectrophotometer for chemical oxygen demand analysis A. COD standards 300 mg/l and 1000mg/l B. COD digest vials LR 3-150 MG/L 150 pk C. COD digest vials MR 20-1500 mg/l 150 pk D. COD digest vials HR 200-15000 mg/l 150 pk E. COD digest vials HR 200-15000 mg/l 150 pk F. COD TNTplus MR 20-1500 mg/l 25 pkt G. COD TNTplus HR 200-15000mg/l 25 pkt	
16	Heating digestion block Thermoreactor A. 2X (times two) 30 place digestion heating block controlled separately B. Temperature selection : 150 degrees Celsius	
17	Three(3) year maintenance, repairs and service plan based on an hourly rate at Cydna Laboratories, Houghton.	

QUALITY ASSURANCE

All materials and components used in the installation and commissioning of uv-vis spectrophotometer for chemical oxygen demand analysis equipment shall comply with the requirements of the original equipment manufacturer (OEM) specifications and shall be of the best quality suitable for the purpose for which they are intended.

REPORTING

Test certificates for the software program, along with all necessary paperwork to confirm the equipment's operational status, must be submitted to the facilities administrator at Cydna Laboratories within three weeks of the work's completion.

GUARANTEE PERIOD

All consumables, software, and parts commissioned and installed on equipment undertaken must have a guarantee.

PAYMENT

Payment will be made, upon presentation of an invoice, according to the work being fulfilled by the supplier, which is supply, installation, commissioning, and providing training for the uv-vis spectrophotometer for chemical oxygen demand analysis on a once-off basis at Cydna laboratories, Houghton

STATUTORY, REGULATORY AND OHSA REQUIREMENTS

The Service provider shall at all times during the contract, comply in all respects with the safety and other requirements of the Occupational Health and Safety Act 85 of 1993 and the regulations applicable hereunder.

4. PRICE SCHEDULE

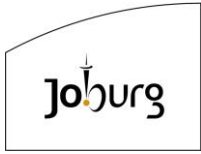
4.1 UV-VIS SPECTROPHOTOMETER AND OTHER ACCESSORIES

ITEM DESCRIPTION	UNIT PRICE (Excl VAT) R	VAT@15% R	TOTAL PRICE (INCL VAT) R
UV-VIS spectrophotometer			
Heating digestion Thermoreactor X2			
Installation and commissioning			
One day Training of four (4) laboratory personnel			
Consumables and reagents			
Three(3) year maintenance, repairs and service plan based on an hourly rate at Cydna Laboratories, Houghton.			
TOTAL COSTS (INCL VAT) R			

Prices Firm / Non-Firm?

Suppliers to complete the below according to their company details.

INFORMATION FOR SPECIFIC GOALS ANALYSIS	
BUSINESS OWNED BY 51% OR MORE -BLACK PEOPLE	
1. Percentage (%) of Black Ownership)	
2. Is Black Ownership 51% or more? (Yes or No)	
BUSINESS OWNED BY 51% OR MORE – BLACK YOUTH	
1. Percentage (%) of Ownership by Black Youth	
2. Is the percentage of Black Youth Ownership 51 % or more? (Yes or No)	
BUSINESS OWNED BY 51% OR MORE-WOMEN	
1. Percentage (%) of Ownership by People who are Women	
2. Is the percentage of People who are Women 51 % or more? (Yes or No)	
BUSINESSES LOCATED WITHIN THE BOUNDARIES OF A REGION IN COJ, COJ MUNICIPALITY OR IN GAUTENG PROVINCE	
1. Is your business located in the Gauteng Province? (Yes or No)	
2. Is your business located in the COJ Municipality? (Yes or No)	
3. Is your business located within the region of the COJ? (Yes or No)	
BUSINESS OWNED BY 51% OR MORE - BLACK PEOPLE WHO ARE MILITARY VETERANS	
1. Percentage (%) of Ownership by Black People Who Are Military Veterans	
2. Is the percentage of Ownership by Black People Who Are Military Veterans 51% or more? (Yes or No)	
BUSINESS OWNED BY 51% OR MORE-BLACK PEOPLE WITH DISABILITIES	
1. Percentage (%) of Ownership by Black People With Disabilities	
2. Is the percentage of Ownership by Black People with Disabilities 51% or more? (Yes or No)	
SMME (AN EME OR QSE) OWNED BY 51% OR MORE - BLACK PEOPLE	
1. What is the Enterprise Type? EME – turnover is less than R10m QSE – Turnover between R10m and R50m Generic – Turnover is R50M of more	
JOINT VENTURE (JV), CONSORTIUM OR EQUIVALENT	
1. What is the percentage (%) of ownership for each party?	
SUBCONTRACTING WITH COMPANIES AT LEAST 51% OWNED BY HISTORICALLY DISADVANTAGED INDIVIDUAL (HDI) GROUPS MENTIONED ABOVE	



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| <p>1. What is the percentage (%) that will be sub-contracted to companies that are at least 51% owned by Historically Disadvantaged Individual (HDI) groups mentioned above?</p> | |
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