



Request for Quotation (RFQ) for the Supply and Delivery of the GC-MS equipment to the CSIR

Re-advertisement

RFQ No: 9245.1/03/03/2021

| | |
|-----------------------|--|
| Date of issue | Wednesday, 17 February 2021 |
| Closing Date and Time | Wednesday, 03 March 2021 at 16:30 |
| RFQ Number | 9245.1/03/03/2021 |
| Contact details | For submission of quotations or any other enquiries: tender@csir.co.za |

1 INVITATION FOR QUOTATION

Quotations are hereby invited for supply and delivery of GC x GC-TOF-MS equipment to the CSIR Pretoria Campus

2 QUOTATION REQUIREMENTS

GC x GC-TOF MS Description

The two dimensional gas chromatography (GC X GC) coupled to time-of-flight mass spectrometry (TOF-MS) offers unique solutions for various analytical applications including the analysis of plant extracts, food quality, authenticity and safety markers. The instrument separates complex volatile chemical mixtures (the GC X GC component) and identifies the components at a molecular and ionic level (TOF-MS). Time of Flight mass spectrometry (TOF-MS) Analyser separates ions based on the times taken by ions to pass (fly) along an evacuated tube as a means of measuring m/z values and therefore of obtaining a mass spectrum. The GC x GC- TOF-MS- spectra are obtained in a short time frame, and this rapid accumulation of spectra leads to excellent reproducibility and better signal-to-noise characteristic, and makes full use of small quantities of sample.

The chemicals to be analysed may comprise of volatile components from plant extracts, which includes indigenous plants, essential oils and fatty acid esters.

The description of the GC x GC-TOF-MS to be procured must have the technical specifications that are listed in Table 1.

Table 1: Technical specifications of the GC x GC-TOF-MS required

| Technical specification | Status |
|--|--------|
| GC x GC module | Yes |
| Time of Flight Analyser-Mass Spectrometer | Yes |
| Liquid Auto-sampler (>120 positions) | Yes |
| Head space Autosampler (>40 positions) | Yes |
| Autosampler capable of enabling automated derivatization of samples | Yes |
| Autosampler adaptability to enable automated Solid Phase Micro Extraction (SPME) | Yes |
| Library, that includes fatty acid methyl esters | Yes |
| UPS system | Yes |
| Monitor | Yes |
| Work station and software | Yes |
| Columns and consumables | Yes |
| Statistical software for data analysis | Yes |
| Installation and training | Yes |
| Maintenance plan for at least one year | Yes |
| Technical backup personnel must be located in South Africa | Yes |

3 EVALUATION CRITERIA

3.1 Selection of suppliers will be based on the 80/20 preference point system.

3.2 **B-BBEE Status:** Only the following documents shall be accepted as proof of a

3.3 bidder's B-BBEE Status level of contributor:

- B-BBEE Certificates issued by an accredited verification agency and bearing a SANAS logo
- Sworn affidavits
- Dti issued sworn affidavit / BEE certificate

3.4 Indicate CSD number (National Treasury Central Supplier Database) on quotation. If not registered yet on CSD, use www.csd.gov.za to register.

3.5 No order will be issued or no contract will be signed without a valid CSD number.

4 PRICING QUOTATION

- 4.1 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.
- 4.2 Price should include additional cost elements such as freight, insurance until acceptance, duty where applicable, etc.
- 4.3 Payment will be according to the CSIR Payment Terms and Conditions.

5 OTHER TERMS AND CONDITIONS

- 5.1 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 CSIR employee or its representatives. 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.
- 5.2 A validity period of 90 days will apply to all quotations except where indicated differently on the quote.

6 No goods and/or services should be delivered to the CSIR without an official CSIR Purchase order. CSIR purchase order number must be quoted on the invoice. Invoices without CSIR purchase order numbers will be returned to supplier.

7 Note: This is not a Purchase Order.

DECLARATION BY TENDERER

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

RFQ No: 9245.1/03/03/2021

I hereby undertake to render services described in the attached tendering documents to CSIR in accordance with the requirements and task directives / quotation specifications stipulated in RFQ No 9245.1/03/03/2021 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 quotation.

I confirm that I am satisfied with regards to the correctness and validity of my quotation; that the price(s) and rate(s) quoted cover all the services specified in the quotation 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 quotation as the principal liable for the due fulfilment of this quotation.

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

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 quotation.

NAME (PRINT)

CAPACITY

SIGNATURE

NAME OF FIRM

DATE

| | |
|------------------|-------|
| WITNESSES | |
| 1 | |
| 2 | |
| DATE: | |