

***Request for Quotation (RFQ) for the supply and delivery of
a Mettler Toledo ReactIR 702L instrument with flow cell to the CSIR in Pretoria***

Date of issue	Monday, 31 October 2022
Closing Date and Time	Monday, 14 November 2022 @ 16:30
RFQ Number	RFQ 9395/ 14/11 2022
Contact details	Submission of enquiries: All enquiries and bid submissions must be submitted to tender@csir.co.za. (Please use the RFQ number as the subject reference)

BACKGROUND TO THE CSIR

The Council for Scientific and Industrial Research (CSIR) was established through an Act of Parliament in 1945 and the organisation's Executive Authority is the Minister of Higher Education, Science and Innovation. The CSIR is a leading scientific and technology research organisation that researches, develops, localises and diffuses technologies to accelerate industrial development and support a capable state. Its core values are EPIC and they are the driving force behind the cutting-edge research and technological innovations conducted to improve the quality of life of South Africans.

1 INVITATION FOR QUOTATION

Quotations are hereby invited for the supply and delivery of a Mettler Toledo ReactIR 702L instrument with flow cell to the CSIR Pharmaceutical Technologies research group.

2 QUOTATION REQUIREMENTS

See full specification below:

Item	Detailed specification	Qty
1.	<i>Mettler Toledo ReactIR 702L with flow cell</i> Current CSIR research requires the provision of a Fourier Transform Infrared Spectroscopy (FTIR) instrument which can be used for real-time monitoring of reaction progression over time in continuous	1

	<p>flow reactors, and optimization of reaction performance through kinetic modeling.</p> <p>Minimum instrument specifications for FTIR base unit:</p> <ul style="list-style-type: none"> • Mid-infrared optical range (800 to 4000 cm⁻¹), • Thermoelectrically cooled mercury-cadmium-telluride detector (solid-state cooling for operation without cryogenes), • With no purge requirement. <p>A multi-reflection ATR diamond composite sensor is required for in-line analysis of acidic and corrosive reaction mixtures. Minimum micro flow cell specifications:</p> <ul style="list-style-type: none"> • Internal volume of 50 µL, • Operating temperature from ambient to 60 °C, • Maximum operational pressure of 35 bar, and • Operational pH range of 1-14. 	
2.	<p>Computer system and control software</p> <ul style="list-style-type: none"> • Control PC/laptop with MT LAB Systems pre-installed (<i>LabX</i>, <i>STARe</i>, <i>iControl</i>), and • Software for reaction programming and instrument control, data visualisation and analysis, data exchange and customisable reporting (<i>iControl IR Instrument</i>). 	1
3.	<p>Kinetic modelling software</p> <ul style="list-style-type: none"> • Kinetic modelling software that is able to conduct kinetic studies, real-time reaction analysis specifically for working in active pharmaceutical process development, and reaction optimizations (<i>Reaction Lab</i>) <p>Note: Software needs to be able to integrate with electronic laboratory notebooks (for example Perkin Elmer Signals) and common chemists tools (such as ChemDraw[®]), as well as work with any time-series data, including those from FTIR, HPLC and other sources.</p>	1
4.	<p>Installation, commissioning and training (also including a method setup)</p>	1
5.	<p>Maintenance</p> <ul style="list-style-type: none"> • 3 year preventative maintenance plan, to include all parts required for the annual servicing of the instrument 	1
6.	<p>Freight</p>	1
	<p>VAT @ 15%</p>	
	<p style="text-align: center;">Total</p>	

Additional Requirements:

- The supplier must submit quotation on their official company letterhead.
- The supplier must quote on all the items/services exactly as listed in the above specification.
- **Quotations are only requested from original equipment manufacturers (OEMs) or authorized distributors. The supplier must provide proof of status as an authorized distributor if not the OEM, an indication of the capacity / turnaround time for service engineer troubleshooting assistance, and certification / training records for service engineers by the OEM.**
- Delivery is to be made at CSIR Pretoria: Maximum lead time of eight weeks for delivery after placing order.

3 EVALUATION CRITERIA

- 3.1 Selection of suppliers will be based on the 80/20 preference point system.
- 3.2 Provide a valid copy of a B BBEE Certificate or valid sworn affidavit. No B BBEE status will equal to zero points . B BBEE certificate must be issued by SANAS accredited agency or a valid sworn affidavit in line with DTIC regulations. (RSA suppliers only).

B BBEE Verification Agency issued Certificate can be verified on SANAS website on Verification Agency (B BBEE) under Accredited Facilities (Quick Access Links): <https://www.sanas.co.za/Pages/index.aspx> to check validity of the B BBEE Certificate.

- 3.3 Indicate CSD number (National Treasury Central Supplier Database) on quotation. If not registered yet on CSD, use www.csd.gov.za to register.
- 3.4 No order will be issued or no contract will be signed without a valid CSD number.

4 ELIMINATION CRITERIA

- 4.1 Bidders that submit late bids will not be considered.
- 4.2 Bidders that submit to the incorrect location or email address will be eliminated.
- 4.3 Bidders that are listed on the NT database of restricted suppliers will not be considered.
- 4.4 Bidders that are registered on the NT Register of Tender Defaulters will not be considered.
- 4.5 Bidders that do not submit a fully completed and signed SBD 1 and SBD 4 Form will not be considered.

5 PRICING QUOTATION

- 5.1 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.
- 5.2 Price should include additional cost elements such as freight, insurance until acceptance, duty where applicable, etc.
- 5.3 Payment will be according to the CSIR Payment Terms and Conditions.

6 OTHER TERMS AND CONDITIONS

- 6.1 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.
- 6.2 A validity period of 90 days will apply to all quotations except where indicated differently on the quote.

7 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.

8 Note: This is not a Purchase Order.

DECLARATION BY TENDERER

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

RFQ No: 9395/14/11/2022

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 **RFQ No 9395/14/11/2022** 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:	