



***Request for Quotation (RFQ) for the supply and delivery of
3D printer capable of printing chemically-resistant materials to the
CSIR***

RFQ No. 5977/07/12/2022

Date of issue	Tuesday, 22 November 2022
Closing Date and Time	Wednesday, 07 December 2022 at 16:30
RFQ Number	5977/07/12/2022
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)
CSIR business hours	08h00 – 16h30

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 3D printer that is capable of printing chemically resistant high-performance semi-crystalline engineering thermoplastic polyetheretherketone (PEEK) materials to the CSIR Pharmaceutical Technologies research group.

2 QUOTATION REQUIREMENTS

See *full specification below*:

Item	Detailed specification	Qty
1.	<p>3D printer requirements:</p> <ul style="list-style-type: none"> • Printing technology using fused filament fabrication with a swappable single extruder. • Printer should support printing of both the chemically resistant high-performance semi-crystalline engineering thermoplastic polyetheretherketone (PEEK) and polyetherimide (PEI), option to also print various other functional plastics such as ABS, PC, NYLON or TPU is preferable. • Advanced thermal design with a heated chamber ranging up to 90°C, a platform temperature ranging up to 160°C and an extruder temperature ranging up to 450°C. • Ultra-high-resolution, high-quality printing up to 50 microns. • Operation requirements should include automatic power failure recovery, automatic build plate levelling and automatic filament absent warnings. • Safety certifications FCC, SGS and CE. • Build volume minimum of 26cm x 26cm x 26cm • To be supplied with 1kg of PEEK filament for initial prototyping and materials testing. 	1
2.	Installation, commissioning, and training	1
3.	<p>Maintenance</p> <ul style="list-style-type: none"> • 3 year service plan 	1
4.	Freight	1
	VAT @ 15%	
	Total	

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.**
- 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 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 Late submission of quotes
- 4.2 Failure to adhere to quotation specifications
- 4.3 Submission at the wrong location or incorrect email address – submissions must be made electronically to tender@csir.co.za
- 4.6 If the bidder is listed on the NT database of restricted suppliers.
- 4.7 If the bidder is registered on the NT Register of Tender Defaulters.
- 4.8 If the bidder did not submit a fully completed and signed SBD 1 and SBD 4 Forms

5 PRICING QUOTATION

- 5.1 Price needs to be provided in South African Rand (excl. VAT) or (Incl 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: 5977/07/12/2022

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. 5977/07/12/2022** 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 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: