



Request for Quotation (RFQ) for the supply of a Supercritical Fluid Extractor/Drier to the CSIR

Date of issue	12 June 2019
Closing Date and Time	27 June 2019 at 16:30
RFQ Number	9165/27/06/2019
Contact details	For submission of quotations or any other enquiries: tender@csir.co.za

1 INVITATION FOR QUOTATION

Quotations are hereby invited for the supply of a Supercritical Fluid Extractor/Drier to the CSIR.

2 QUOTATION REQUIREMENTS

Main specifications for Supercritical Fluid Extractor/Drier

- Capability for precise temperature control for fluid pre-heaters to enable consistent and repeatable experiments (preferably automated).
- Capability for precise control of gas flow rate to enable well managed pressure control and well as precise system venting rates (preferably automated).
- Preferable with an inbuilt or supplied cooled CO₂ pump in order to avoid the need for an additional external chilling module.
- Possess capability for exchangeable sample sizes (i.e. allowance for a wide range of vessels volumes (possibly 5 ml to 500 ml) or varying capacity for the chamber.
- Possibility to operate at pressures up to 10,000 psi and at temperatures ranging from ambient to 200°C.

- Built in safety features for carbon dioxide pump and temperature control to prevent accidental over-pressure and over-temperature conditions.
- An option for co-solvent addition module would be an added advantage but not mandatory.
- All internal surfaces should be inert to CO₂, acetone and other alcohols. Also, an option for HF compatible/resistant sample holders is an added advantage and highly preferred.
- Capability for non-mechanical purge stirring that can enable elimination of moving parts to allow easy maintenance is an added advantage.
- For automated system, it should have the option for factory default automatic settings as well as allow for creation of customizable settings.
- Should be user-friendly (easy-to-use features), easy to maintain and with appropriate guarantee and warrantee. Should also not expose the system to particulate/powder contamination.
- User training should be provided and the supplied equipment should contain the associated accessories and tools to enable its immediate operation upon delivery.

3 EVALUATION CRITERIA

- 3.1 Selection of suppliers will be based on the 80/20 preference point system.
- 3.2 Indicate valid B-BBEE status on quotation. No B-BBEE status will equal zero points.
- 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 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.