



Request for Quotation (RFQ) for the supply of a Twin Screw Extruder to the CSIR

RFQ No. 9226.1/19/01/2021

Date of issue	Wednesday, 09 December 2020
Closing Date and Time	Tuesday, 19 January 2021 at 16H30 (Late submissions will not be considered)
Contact details	For submission of quotations or any other enquiries: tender@csir.co.za (Please use RFQ Number at subject reference)

1 INVITATION FOR QUOTATION

Quotations are hereby invited for the supply of a Twin Screw Extruder (Co-rotating) to the CSIR.

2 QUOTATION REQUIREMENTS

Twin Screw Extruder Specification

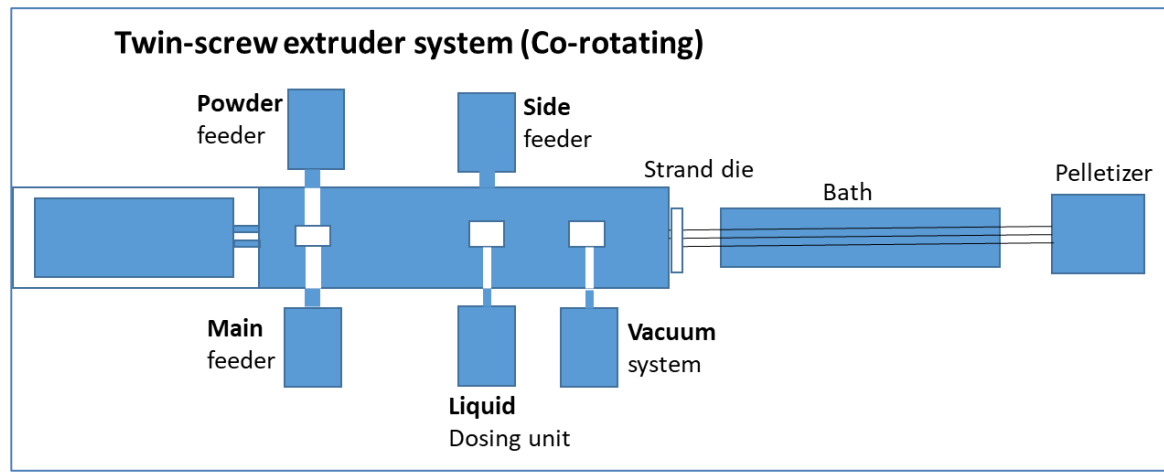
The Centre for Nanostructures and Advanced Materials (CeNAM) of CSIR is seeking to acquire a twin screw extruder system to assist with the development and scale-up of polymer formulations and blends.

Typically, the focus will be on olefins and engineering polymers.

The instrument must be flexible in its configuration so as to be suitable for both research and development as well scale-up compounding.

Basic extruder system

To illustrate the basic requirement, a basic diagram of the extruder system is presented in Figure 1.



Extruder system details

Twin Screw Extruder (Co-rotating)

Computer controlled

L/D = 40

Spare screw set including shaft with interchangeable screw elements

120kg per hour extrusion rate (polyolefins (PP,PE), Engineering polymers, e.g. PA and similar)

Robust barrel vacuum system

FEEDERS

Main Feeder: Gravimetric hopper polymer pellet feeder complete (with mounting/stand and control system)

Powder Feeder: Gravimetric hopper powder feeder complete (with mounting/stand and control system as well as vibrating hopper)

Feeders along the barrel

High pressure and high temperature liquid dosing system complete (with mounting/stand and control system and barrel entry modifications as required)

Side hopper feeder for polymer pellets complete (with mounting/stand and control system)

Water bath suitable for extruder

Pelletizing unit with variable speed strand feeding drive suitable for the extruder

Freight and Installation to be included

Freight charges up to CSIR Pretoria

Installation and commissioning

Training

CSIR will provide on site

- Chilled water
- Electrical connections
- Water supply
- Water drainage

3 ADDITIONAL REQUIREMENTS

- Warranties and guarantees
- Aftersales support
- Clearly indicate VAT charged where applicable (if not VAT registered please state so clearly)
- Provide valid original or certified B-BBEE certificate issued by SANAS accredited provider or CIPC, or valid sworn affidavit in DTI template.

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 (Please submit electronically to tender@csir.co.za)

5 EVALUATION CRITERIA

- 5.1 Selection of suppliers will be based on the 80/20 preference point system.
- 5.2 Provide a valid certified copy of B-BBEE Certificate, or valid sworn affidavit indicating the B-BBEE Status level. (RSA suppliers only)
- 5.3 No B-BBEE status will equal zero points.
- 5.4 Indicate CSD number (National Treasury Central Supplier Database) on quotation. If not registered yet on CSD, use www.csd.gov.za to register.
- 5.5 No order will be issued or no contract will be signed without a valid CSD number.

6 PRICING QUOTATION

- 6.1 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.
- 6.2 Price should include additional cost elements such as freight, insurance until acceptance, duty where applicable, etc.
- 6.3 Payment will be according to the CSIR Payment Terms and Conditions.

7 PROCEDURE FOR SUBMISSION OF QUOTATIONS

- 7.1 All quotations must be submitted electronically to: tender@csir.co.za
- 7.2 Respondents must use the RFQ number as the subject reference number when submitting their bids.
- 7.3 The email and file sizes should not exceed a total of 30mb per email.
- 7.4 The naming / labelling syntax of files or documents must be short and simple (e.g. BBBEE Certificate).
- 7.5 All documents submitted electronically via email must be clearly visible.
- 7.6 Tenders or documents received after the closing date and time will be considered as a late submission. Late submissions will not be evaluated.

NB: NO HARD COPIES OR PHYSICAL SUBMISSIONS WILL BE ACCEPTED

8 OTHER TERMS AND CONDITIONS

- 8.1 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.

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

9 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.

10 Note: This is not a Purchase Order.

DECLARATION BY TENDERER

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

RFQ No:

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..... 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: