



**Request for Quotation (RFQ) for the supply of reflux controller (2" column) and supporting glassware to the CSIR**

*RFQ No. 5413/18/12/2018*

Date of issue	Tuesday, 4 December 2018
Closing Date and Time	Tuesday, 18 December 2018, 16h30
Contact details	For submission of quotations or any other enquiries: Email: <a href="mailto:tender@csir.co.za">tender@csir.co.za</a> ( <b>Please use RFQ No. as subject reference</b> )

## 1 INVITATION FOR QUOTATION

Quotations are hereby invited for the supply of a reflux controller for a 2" distillation column as well as supporting glassware to the CSIR.

## 2 QUOTATION REQUIREMENTS

### 2.1 Reflux controller

Supply of reflux controller to 2" column and able to operate at reflux ratio between 0-50. (See Appendix 1, for schematic of distillation column).

Ensure that the glassware connections to the existing column are compatible (1-2")

Supply and demonstrate operation prior to installation and testing using hot water to commission

Supply all supporting documentation and specification to ensure all utilities required are prepared prior to delivery

Please indicate lead time on quotation (*Delivery as soon as possible on placement of Purchase Order, as time is of the essence*)

### 2.2 Distillates receiving vessels

The distillation is carried out at 5-7L scale continuously. During operation samples at various reflux ratios are collected, while ensuring the process is maintained under

operational conditions (vacuum and temperatures). The service provider is requested to quote on supply graduated glass vessels RV1 and RV 2, and provide quotations on suitably sized vessels. During the optimization of the process 250 ml samples are collected at various reflux ratio settings. On steady state operation the amount of distillate to be collected is 5-7L. This may include proposing a range of various sized vessels by the service provider.

### **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](http://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.**

Appendix 1

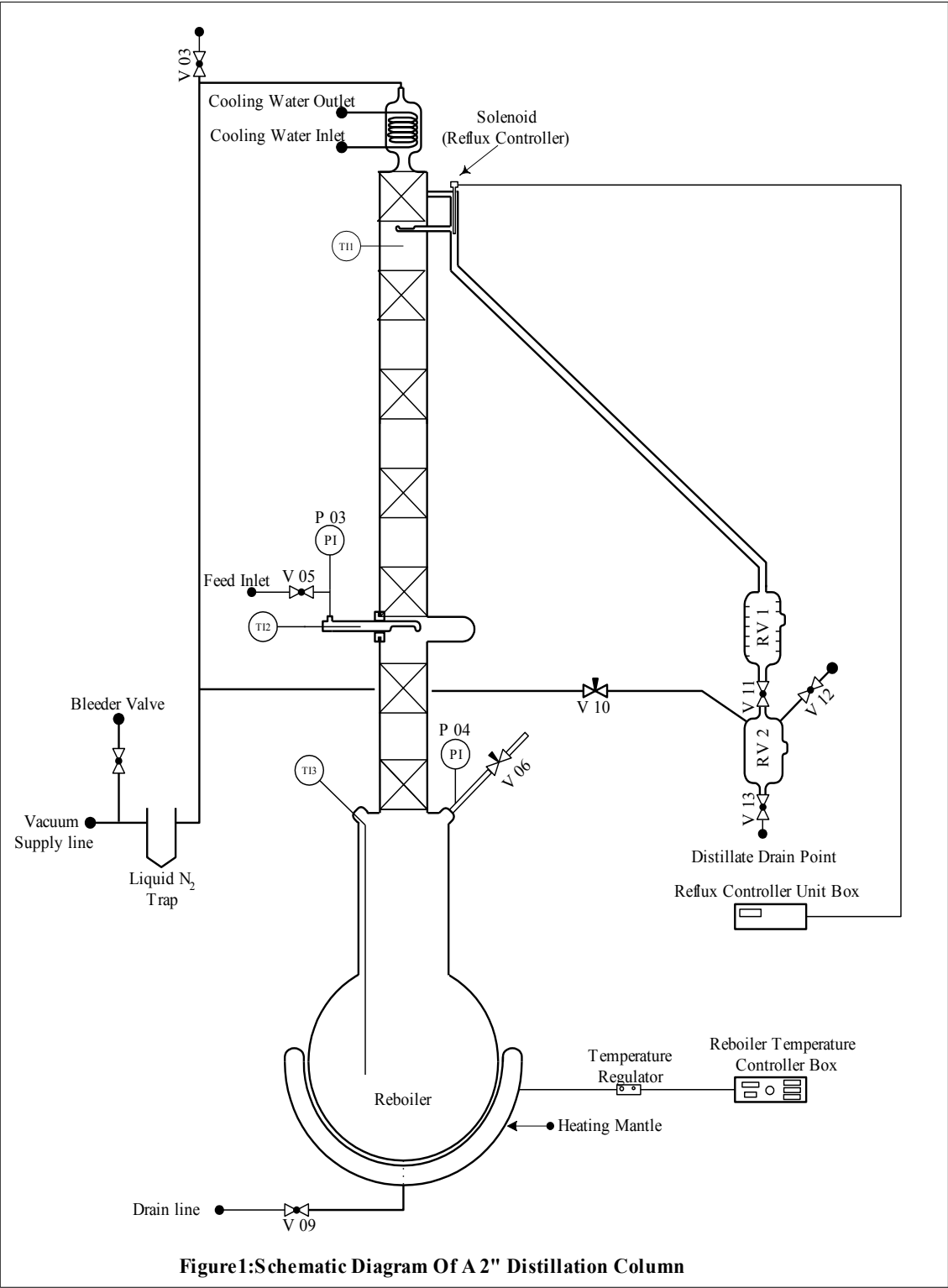


Figure 1: Schematic Diagram of a 2" Distillation Column