



**Request for Quotations (RFQ) Replacement of Chiller Water Lines for CSIR
Pretoria Building 18 (Biochemical Laboratory)
CSIR RFQ No. 9131/26/02/2019**

Date of issue	Tuesday, 12 February 2019
Compulsory Briefing Session	Tuesday, 19 February 2019 Time:10h00-11h00 Venue: CSIR Pretoria Campus, Building 18 Reception area
Closing Date and Time	Tuesday, 26 February 2019 @ 16:30
Submission details	Refer to section of 7 of this RFQ
CSIR Business Hours	08:00 – 16:30

1 INVITATION FOR QUOTATION

Quotations are invited from experienced chilled water system installation contractors for the replacement of chiller water lines for CSIR Pretoria building 18 (Biochemical Laboratory).

2 BACKGROUND

The closed loop chilled water system which was installed ± 10 years ago comprises of two Compact Cool TC60 process chillers. The two chillers work both independently and simultaneously. They supply chilled water to different types of equipment in 10 laboratories. The pipes are made from schedule 40 black steel. They have now rusted and are leaking.

The scope of work includes but is not limited to the following:

- Removal of existing schedule 40 black steel chiller lines.
- Installation of new schedule 10 stainless steel 304 chiller water lines.
- The work need to be completed in two (2) months

Bill of Quantities:

Please note: Quotation to be broken down as shown in the Bill of Quantities below.

Building 18 bill of quantities for the replacement of chiller water lines					
Item	Description		Qty.	Rate	Total (Excl. VAT)
1	Schedule 10 S/S 304 Pipe c/w lagging, 2 1/2"	Ø65mm	320m		
2	Schedule 10 S/S 304 Pipe c/w lagging, 2"	Ø50mm	10m		
3	Schedule 10 S/S 304 Pipe c/w lagging, 1 1/4"	Ø32mm	140m		
4	Schedule 10 S/S 304 Pipe c/w lagging, 1"	Ø25mm	240m		
5	Schedule 10 S/S 304 Pipe c/w lagging, 1/2"	Ø15mm	25m		
6	Ø65mm Schedule 10 S/S 304 Non- return valve	Ø65mm	4		
7	Ø65mm Schedule 10 S/S 304 Motorised gate valve	Ø65mm	1		
8	Ø65mm Schedule 10 S/S 304 Isolation gate valve	Ø65mm	10		
9	Ø65mm Schedule 10 S/S 304 Isolation valve	Ø65mm	3		
10	Ø32mm Schedule 10 S/S 304 Isolation valve	Ø32mm	10		
11	Ø25mm Schedule 10 S/S 304 Isolation valve	Ø25mm	13		

12	Ø32mm Schedule 10 S/S 304 Ball Valve	Ø32mm	16		
13	Ø25mm Schedule 10 S/S 304 Ball Valve	Ø25mm	6		
14	Ø15mm Schedule 10 S/S 304 Ball Valve	Ø15mm	102		
15	Ø25mm Schedule 10 S/S 304 Pressure release valve	Ø25mm	2		
16	Ø65mm Schedule 10 S/S 304 Pressure reducing valve	Ø65mm	1		
17	Ø32mm Schedule 10 S/S 304 Pressure reducing valve	Ø32mm	3		
18	Ø25mm Schedule 10 S/S 304 Pressure reducing valve	Ø25mm	7		
19	Ø65mm Schedule 10 S/S 304 Nipple	Ø65mm			
20	Ø32mm Schedule 10 S/S 304 Nipple	Ø32mm	18		
21	Ø25mm Schedule 10 S/S 304 Nipple	Ø25mm	6		
22	Ø15mm Schedule 10 S/S 304 Nipple	Ø15mm	102		
23	Ø65mm Schedule 10 S/S 304 Equal Tee	Ø65mm	14		
24	Ø25mm Schedule 10 S/S 304 Equal Tee	Ø25mm	4		
25	Ø15mm Schedule 10 S/S 304 Equal Tee	Ø15mm	4		
26	Ø65mm to Ø50mm Schedule 10 S/S 304 Reducing Tee	Ø65 to Ø50	2		
27	Ø65mm to Ø32mm Schedule 10 S/S 304 Reducing Tee	Ø65 to Ø32	18		
28	Ø65mm to Ø15mm Schedule 10 S/S 304 Reducing Tee	Ø65 to Ø15	4		
29	Ø50mm to Ø32mm Schedule 10 S/S 304 Reducing Tee	Ø50 to Ø32	2		
30	Ø32mm to Ø15mm Schedule 10 S/S 304 Reducing Tee	Ø32 to Ø15	32		
31	Ø25mm to Ø15mm Schedule 10 S/S 304 Reducing Tee	Ø25 to Ø15	54		

32	Ø50mm to Ø25mm Schedule 10 S/S 304 Four way pipe fitting (Ø50mm inlet & outlet with 3 off Ø25mm branches)	Ø50 to Ø25	2		
33	Ø65mm to Ø50mm Schedule 10 S/S 304 Concentric Reducer	Ø65 to Ø50	2		
34	Ø50mm to Ø32mm Schedule 10 S/S 304 Concentric Reducer	Ø50 to Ø32	2		
35	Ø50mm to Ø25mm Schedule 10 S/S 304 Concentric Reducer	Ø50 to Ø25	3		
36	Ø65mm Schedule 10 S/S 304 90° Bend	Ø65mm	54		
37	Ø32mm Schedule 10 S/S 304 90° Bend	Ø32mm	40		
38	Ø25mm Schedule 10 S/S 304 90° Bend	Ø25mm	70		
39	Ø15mm Schedule 10 S/S 304 90° Bend	Ø15mm	6		
40	Ø65mm Schedule 10 S/S 304 Flange	Ø65mm	42		
41	Schedule 10 S/S 304 Strainer	Ø65mm	4		
42	Schedule 10 S/S 304 Thermometer	Ea	4		
43	Schedule 10 S/S 304 Pressure gauges	Ea	24		
44	Schedule 10 S/S 304 Bellows	Ø65mm	4		
45	Removal of existing chiller water lines	Ea	1		
46	Installation of new chiller water lines	Ea	1		
47	Allow for all health and safety requirements as per Occupational Health and Safety Act 85 of 1993	Ea	1		
48	Site establishment	Ea	1		
49	Site De- establishment (Allowance for making good, cleaning up and rubble removal)	Ea	1		
50	Core Drilling	Rate Only	1		

51	Access equipment: Allow for access equipment and/or scaffolding as per O.H.S.A. requirements to reach a height of 2 storeys. "Working at heights" certificates required for all on site staff	Ea	1		
	Note – All pipes and pipe fitting to be complete with pipe lagging				
	Sub Total				
	VAT 15%				
	Grand Total				

3 ADDITIONAL CONDITIONS

- 3.1 All pipes and pipe fitting to be complete with Compriflex insulation (polyethylene foam), Mylar Foil Vapour Barrier and Galvanised Sheet Metal Cladding.
- 3.2 All pipes to have colour coding and flow direction arrows.
- 3.3 Standard steel clamps internally lined with rubber should be used to mount / fix pipes.
- 3.4 Site establishment:
 - 3.4.1 Supplier to provide own container for storage.
 - 3.4.2 CSIR will provide fabrication space in one of the open spaces around Building 18. This space will be located in an area where there will be no disruption to work & productivity.
 - 3.4.3 CSIR will provide water and electrical power supply
 - 3.4.4 CSIR will provide ablutions (6 people max)
- 3.5 Commissioning requirements.
Original design information regarding the operating and design pressures will be sent to the successful bidder. As long as this is adhered to commissioning will happen as normal.

4 ELIMINATION CRITERIA

Bidders will be eliminated if they fail to adhere and provide the following information:

- Late submission of tender documents;
- Non-attendance of compulsory briefing session and site inspection;
- Quotation submitted at a wrong location;
- Failure to submit 3 contactable references for similar projects;
- Failure to submit a letter of good standing issued by the Department of Labour (COID);
- Failure to submit works program, with a construction period of 60 working days;
- Failure to submit a CV for the site foreman to be assigned to the project, stating the projects that they did, when such projects were done and for which companies. The Foreman to lead this project should have completed a minimum of 3 similar chilled water system installation projects in the last 5 years;
- Original completed Bill of Quantities;
- Company Profile showing the line of work company has been involved in for the past 3 years; and
- Valid CIDB registration certificate, Level 3ME grading designation.

5 EVALUATION CRITERIA

- Selection of suppliers will be based on the 80/20 preference point system.
- Indicate valid B-BBEE status on quotation. No B-BBEE status will equal zero points (RSA suppliers only). Please submit valid BBEE certificate or sworn affidavit.
- Indicate CSD number (National Treasury Central Supplier Database) on quotation. If not registered yet on CSD, use www.csd.gov.za to register.
- 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.

The price should be firm and inclusive of all costs and disbursements and all services required to complete the project.

7 SUBMISSION REQUIREMENTS

- 7.1 Quotations and supporting documents must be submitted in a sealed envelope. No open proposals will be submitted.
- 7.2 All quotations are to be clearly marked with the RFQ number and the name of the tenderer on the outside of the main package.

7.3 1 hard copy and 1 soft copy (CD or USB must also be submitted)

- 7.4 Submission Venue – Quotation must be submitted at the below address.

CSIR GATE 03 – Main Reception Area (in the Tender box) at the following address:

Council for Scientific and Industrial Research (CSIR)

Meiring Naudé Road

Brummeria, Pretoria

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. This is not a purchase order

Note: Please submit final and official pricing on your company official quotation template.

Annexure A – SBD 1 Form

Completed form must be submitted with the quotation.