To

Sir,

Sub: Inviting Quotations for procurement of HPLC for CSTRI, BANGALORE -Reg.

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With reference to the subject cited above, I am to inform that this Institute invites quotation in two bid system through e-procurement for supply of HPLC TO CSTRI, BANGALORE as per the specification mentioned below:-

SPECIFICATION FOR High Pressure Liquid Chromatograph with PDA detector

A. Quaternary Pump
   1. Flow rate : 0.001 ml-10 ml/min
   2. Flow precision : < 0.1% RSD
   3. pH range : pH 1 to pH 11 or higher
   4. Degassing unit : Multi channel (4 Channel)

B. Manual Injector
   Manual Injector with 20uL sample loop and mounting stand. Additional loops- 100uL to be provided

C. Thermost column compartment
   1. Temperature range: 10° C below ambient to 60° C or higher
   2. Temperature accuracy: ±1 degree Celsius or better.
   3. Column capacity: Capacity to handle 2 or more columns

D. Detector
   1. Type of detector: 1024 - element photodiode array detector with UV range
   2. Wavelength range: 190 – 900 nm or higher
   3. wavelength accuracy: ± 1 nm
   4. Acquisition rate 100 Hz or higher

E. Software
   1. Original Licensed 64-bit Software to run on Windows 10 operating system. Licensed Software for scanning spectra, peak purity with 2D/3D interpretation.
   2. Should have the ability to acquire and analyze and store spectral library.
   3. It should be able to process signals from more than one wavelength.
   4. The Software should compatible with all the modules.
   5. Must have lab monitor & diagnostics features.
   6. Should have flexible reporting to make report in desired format.

F. Computer & Printer:
   1. Branded Desktop computer system with 21 Inch monitor of latest generation
for high speed operation and high data storage and should be completely compatible with all the operations that can be performed with the HPLC.

2. Colour Ink tank inkjet printer with USB port.

G. **Column:** 2 nos. C18 HPLC Column – supported up to 400 bar. (120 EC-C18 4.6x100 mm, 4μm)

H. Manufacturer’s technical brochure of the machine has to be attached with the technical bid along with duly signed technical compliance statement for individual points, without which the bid is treated as technically non-complied.

**TERMS & CONDITION:**

1. The quotation in **two bid (Technical Bid & Financial Bid)** system should be uploaded in e-procurement only. *(website www.eprocure.gov.in)*. The last date for upload the bid is **17.02.2020** upto 2 P.M. and the bid will be opened on **18.02.2020** at 3 P.M.

2. The rates quoted should be valid for **120 days**. The equipment should be supplied within **60 days** from the date of purchase order.

3. The equipment should be supplied to **Director, Central Silk Technological Research Institute, Central Silk Board, CSB Complex, BTM Layout, Bangalore-560068**.

4. **Financial Bids** should consist of unit price, Excise Duty, Insurance, Packing & Forwarding, Erection & Commissioning, Transportation Charges, Taxes etc.,

5. The EMD equal to 2% of the total contract value should be paid in the form of Demand Draft/Bankers Cheque drawn in favour of the **Director, CSTRI, Bangalore**. The EMD does not carry any interest. **Please note that cheques will not be accepted. Quotation received without EMD will summarily be rejected.**

6. The Supplier shall provide Warranty/Guarantee valid for a minimum period of 12 months from the date of installation of the equipment / machineries. Any defects noticed in the equipment /machineries which is unintentional shall be set right by the supplier free of cost for good performance of the equipments.

7. The equipment should be supplied strictly in conformity of the above specifications, failing which, the equipment has to be taken back at your own cost.

8. For delay & non-supply of the item within the stipulated time, liquidated damages @ 0.5% per week will be deducted from the bill subject to a maximum of 10% of the total cost of the equipment.

9. The performance security equivalent to 5% of the total contract value in the form of Bank Guarantee issued by any Nationalized Bank which shall be valid till three months after the expiry of the Warranty period should be furnished to this Institute within 10 days from the date of receipt of purchase order in the prescribed format.

10. No advance payment will be paid. The payment will be released only after delivery of the equipment in good condition as per our specification, Erection and commissioning

11. **The bidders should submit the Bank Details i.e. Bank A/c.No., Bank Name, Branch, IFSC code. Mobile No. eMail ID Etc. along with quotation**

Yours faithfully,

Sd/-

DIRECTOR