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CSIR-INSTITUTE OF HIMALAYAN BIORESOURCE TECHNOLOGY
(Council of Scientific & Industrial Research)
Post Box No.6, Palampur-176 061 (HIMACHAL PRADESH)

CORRIGENDUM

Ref. No.	4/5(160)16-Pur	Date:	28.11.2016
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SPEED POST

To

Sub:- Corrigendum to Tender No.4/5(160)16-Pur dated 24.11.2016 for the purchase of HPLC Electrochemical Detector System

Sir,

Kindly refer to our Tender No.4/5(160)16-Pur dated 24.11.2016 for the purchase of HPLC Electrochemical Detector System. The specifications for the system required have been revised. The revised specifications are attached herewith.

All the bidders are requested to submit their bids as per the revised specifications. Those who have already sent their bids as per earlier specifications can send their revised bids as per the revised technical specifications.

Due date & time for submission & opening of bids and other terms & conditions will remain the same.

Yours faithfully,

Controller of Stores & Purchase

Encl: Revised specifications.

E-MAIL: spo@ihbt.res.in, Phone: 91-1894-230425, Telefax: 91-1894-230425

Revised Specifications

HPLC Electrochemical detector system with following specifications

1. Electrochemical detector:

- a. Should have high sensitivity with DC, scan and pulse operational modes
- b. Potential range should be ± 2000 mV in 10 mV steps or better
- c. DC mode current ranges should be at least 10 nA - 200 μ A in 1-2-5 sequence or better
- d. Should have auto zero option

2. Pumping system

- a. It should operate in isocratic/gradient mode
- b. Flow rate range should be 50 μ L/min - 9 mL/min or better
- c. The flow rate accuracy should be ± 1 % or better
- d. The flow rate precision should be < 1 % RSD or better
- e. Pressure ripple should be less than < 2 % or better
- f. The maximum operating pressure of the pump should be at least 5500 psi

3. Software and computer system

- a. Authenticate and original software compatible with the quoted detector system should be supplied
- b. The software should be able to analyse data in real time as well as offline
- c. Provide data acquisition, processing, analysis and generate data report as image/pdf/doc format
- d. It should have option for data integrity and advanced security measures.
- e. Should be supplied with compatible branded PC with 18" or more flat monitor with latest configuration along with accessories key board/mouse/ pad/windows/etc for acquisition and analysis of data.

4. Sample injector system: Should be supplied along with a manual injector systems and loops of different volumes 5-100 μ L with appropriate syringes

5. Column compartment: It should be supplied with separate or detector in built thermostated column compartment for column attachment and regulating its temperature

6. Accessories: It should be supplied along with complete accessories including cords, converters, extensions, links or any other specific item depending on the quoted model

7. General

- a. Compliance certificate: A compliance table as per the specifications point by point must be submitted by the vendors.
- b. Technical brochure and literature of the quoted models should be enclosed.
- c. List of users in India should be provided. Input Power Specifications: 220-240 volts; 50-60Hz.
- d. Warranty: At least 2 years warranty from the date of installation along

- e. During installation a proper training should be provided to the users for operating the system and the software for desired purpose for all applications.
- f. Proper and prompt technical support should be provided whenever needed.
- g. Vender should provide sales and services of related consumables/spare parts at CSIR-IHBT; Palampur.

Optional item: It should be supplied along with 5KVA Online UPS system (Make: Emerson/Uniline/Numeric) with SMF batteries (Make: Exide/Quanta/Panasonic) so as to make the complete system functional for at least 30 min on full load in case of power failure.
Warranty: At least 1 year from date of installation for UPS and two years on batteries



सुरेश पन्त/Suresh Pant

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