Notice Inviting e-Tender

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PROCUREMENT OF HPLC FOR HOSPITALS & MEDICAL COLLEGES OF THE GOVERNMENT OF WEST BENGAL

(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT- 55/2019	Dated-18.06.2019

The following amendment have been made in the tender document,

Amendment-I

E. Submission and Opening of Bids

Comprehensive Maintenance of Equipment

The selected bidder should enter into Comprehensive Maintenance Contract (CMC) after expiry of the 2 Years warranty period, if intended by WBMSCL. The deliverables under the contract is detailed below:

A. **Breakdown Calls:** as many numbers as may be required to attend to resolve the complaint lodged by the end-users.

B. **Preventive Maintenance:** The selected bidder should attend periodic planned preventive maintenances in the following manner:

Equipment	Mandatory Preventive Maintenance Service (PMS) visit per year	Remarks
HPLC	4	1. Attending all breakdown calls during warranty and CMC period. 2. To provide Preventive Maintenance Services (PMS) at least yearly / bi - yearly /quarterly as recommended in column (2) during warranty and CMC period. 3. The procedure / checks of the preventive maintenances should be as per the guidelines prescribed in technical / service / operational manual of the original equipment manufacturer. Preventive Maintenance will also include testing, calibration, replacement of spare parts by new one, hardware / software upgradation and labour.

The cost for Year wise CMC charges after completion of 2 years warranty in percentage of the sum of quoted price of the equipment in the BOQ to be paid to the selected bidder(s) in the following manner:

Equipment	CMC charges in percentage(%) for Year3	CMC charges in percentage(%) for Year4	CMC charges in percentage(%) for Year5	CMC charges in percentage(%) for Year6	CMC charges in percentage(%) for Year7
HPLC	6	6.25	6.5	6.75	7.0

Amendment-II

Section IV. Schedule of Requirements

2. TECHNICAL SPECIFICATION

HPLC SYSTEM

1. Automated closed HPLC system, dedicated to Thalassaemia and hemoglobinopathy testing and screening.
2. The Cost per reportable test results should include: All reagents, Priming, Shutdown, Cleaning, Calibration, Comprehensive Maintenance of the equipment.
3. The system should be able to screen and quantitate hemoglobins Hb A_2, Hb A and Hb F and detect the most commonly occurring abnormal hemoglobins like Hb S, Hb D, Hb E, Hb C, Hb Q- India, Hb D-Iran and other rare abnormal hemoglobins.
4. The system should have the provision of presumptive identification of Hb Barts and Hb H and various alpha chain variants like Hb J Meerut, etc
5. The company should have an installation base in India and should be able to provide the relevant product and service support and also have at least five years of presence in India supplying reagents and equipments for thalassaemia and hemoglobinopathy testing.
6. The system should have primary tube loading facility and automatic barcode positioning and reading facility.
7. The System should have an automated sampler module which can accommodate at least 10 sample racks together. Each sample rack should be barcoded and have 10 sample positions. The system should have continuous sample loading facility during the run.
8. Complete ready to use reagent kit should be provided with buffers in plastic tanks to view the levels of reagents or the instrument should have the inventory to show the amount of different reagent.

9. The system should have a software for real time viewing of the analysis of the sample
10. It should have an offline CD-ROM which should be a searchable database with approximately 200 chromatograms of fully classified abnormal hemoglobins and thalassemias.
11. The system should have been used for several Thalassaemia screening programs worldwide with references published in International journals.
12. The system should have alarms, for overflow of waste tank, as well as built in alarms for calibration and equipment failures.
13. The system should be able to maintain continuous and a precise buffer gradient.
14. System should have a polyethylene waste tank with alarm when sensor is tripped and sensor should detect 95% full.
15. The system should have an on board QC Menu capable of storing the quality control data and printing the standard deviation and Coefficient of Variation values.
16. The company should also be able to provide normal and abnormal controls for Hb A2, Hb F and Hb S and provide quality control program to help compare results with similar users worldwide.
17. The system should have dedicated computer and software, which enables the system for bidirectional interfacing (Machine can be operated from the computer & the data generated can be stored in the computer). Moreover the software should have customized reporting format, giving info on the subtype and quantity of hemoglobin detected. Also the software should enable result storage of minimum 5000 chromatograms.
18. It should have a built in vacuum-based degassing system, automatic equilibration and wash procedures and have built in column thermostat for reproducibility.
19. The system should have in- kit external standards for instrument calibration ensuring accurate quantitation of results.
20. The reagent reservoir unit should be able to accept atleast three 2.5 Litre tanks which must have a volume detector in form of a stain gauge detector. The unit should give alarm when sensor is tripped.
21. Equipments should be supplied with free reagent for testing 2500 samples at the time of supply of equipment.
22. All the reagents should have at least 1 year expiry.
23. Preventive maintenance kit to be included within warranty.
24. Laser printer to be supplied along with the equipment free of cost at the time of installation.
25. Should provide with 2 KVA online UPS (Libert / APC) with at least one hour battery back-up to be supplied free of cost for 2 years.
26. Product certification: European CE IVD / US FDA certified.