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AMENDMENT No. 2

Sub: Supply, Installation, Testing and Commissioning of Haematology Six-Part Analyser Machine & its accessories for Diagnostic Lab Facility at Sector 39, Gurugram - reg.

Ref: 1) Our IFB Ref No: HLL/CHO/PROJ/HCS/MCG-EQP/HSPA/2018-19 dated 10.10.2018
2) Pre-bid Meeting held on 24-10-2018.

Amendment Date: 07-11-2018

With reference to the tender and the pre-bid meeting held on 24-10-2018, **Schedule II - Specifications & Price Bid** are amended as mentioned below.

All other terms and conditions of the tender remain unchanged.

SENIOR MANAGER (PROJECTS)

SCHEDULE II - AMENDED

SPECIFICATIONS

Sub: Supply, Installation, Testing and Commissioning of Hematology Six Part Analyser & its accessories for Diagnostic Lab Facility at Sector 39, Gurugram, Haryana as per the tender specifications – reg.

- The instrument should be fully automated fluorescence flow cytometry based 6-part differential hematology analyzer offering automatic start-up, shutdown and sample-analysis.
- The instrument should have random access discrete analysis modes for CBC, CBC+DIFFERENTIAL+ **LIC**.
- The instrument should have 24 PARAMETERS reported:
WBC, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV , PLT, NEUT %, LYMPH %, MONO%, EOS %, BASO %, NEUT #, LYMPH #, MONO #, EOS #, BASO #, PDW, MPV, PCT, P-LCR, IG #, **LIC %**
TWO HISTOGRAMS – RBC, PLT and ONE SCATTERGRAM
- The analyzer and the manufacturer shall have quality certificate including CE / ISO 13485.
- The power source shall accord with AC 100 ~ 240 V / 50 Hz.
- _____
- The analyzer and reagents shall work normally in ambient temperature from 15 - 30 centi-degrees.
- The instrument should have throughput of **at least 80 samples** per hour in both the discrete analysis modes.
- The sample aspiration volume for the complete differential blood count should not be more than **165 µl**.
- The instrument should have the following analysis modes , **Manual – open and Sampler mode**.
- The instrument should have Hydrodynamic focusing / impedance method for RBC/PLT channel.
- The instrument should have Cyanide free Sls-hb /colorimetric method for the hemoglobin measurement.
- **The instrument should be equipped with Fluorescence based semiconductor laser fluorescence flow cytometry for Differential channel/Flow Cytometry.**
- Instrument should be able to enumerate immature granulocytes.

- Instrument should be equipped with automatic rerun / reflex modes.
- ***Instrument should have facility for upgradation with additional clinical parameters like reticulocytes.***
- Analyzer must have option to enumerate differentials for body fluid samples.
- Instrument should have options for auto sampler & integrated barcode reader.
- The instrument should have COMPREHENSIVE INFORMATION PROCESSING SYSTEM with:
 - User-friendly Windows XP / 7 based software.
 - ***Upto 100000 sample data with histogram and scatter grams storage.***
 - ***Upto 99 QC files each with 300 points for QC can be stored.***
- ***The instrument should have minimum maintenance with Semiconductor laser / Helium Neon Laser has lower power consumption, higher stability, and longer life thus cutting down on maintenance cost.***
- The instrument should be EXTENSIVE QC FEATURES:
 - Min one file for X bar Delta checks available for cumulative review. Option for online QC also available.
- It should have high linearity of over 2 lacs or more for WBC's ,over 30 lacs for Platelets
- Hardwares& Accessories: Supplier should supply all the hardwares, accessories and consumables including reagents, Calibrators and Quality control material for the primary equipment Installation, Calibration and Validation of all the tests.
- Installation of Instrument and Validation of tests: OEM should install the equipment in the space provided by HLL and validate the tests as per HLL protocol at their on cost.
- UPS: Suitable online UPS with at least 2 hour backup.
- LIS / HMIS: The System should be capable of interfacing with LIS/ HMIS.
- Service Network: The company supplying the instrument should have service and distributor network All over India.
- Warranty: 5 Years.
- CAMC: Should be quoted for another 5 Years after the completion of five year comprehensive warranty in Price Bid which will also be considered on the time of bid evaluation.
- Parts required on FOC with the equipment: CD/ DVD Rom with driver, software's and Operations manual, One set Preventive Maintenance kit, five numbers of Lamp suitable for the equipment, Instruction manual Hard copy original, Reference manual, Host manual, 1 Nos of External Barcode reader, 1 Nos of External MFP LaserJet printer, Equipment maintenance tool kit.

GENERAL SPECIFICATIONS

1. Power Supply: The equipment offered should be suitable for Indian electrical ratings as follows:

Power supply: 200-230V, 50 Hz (Single Phase) or 400-440 V, 50 Hz (3 Phase)

2. HLL will provide necessary incoming power supply upto isolator DB only. The contractor shall provide all necessary electrical connections from the equipment panel to this isolator panel for the operation of equipment/s.
3. The unit should be complete with all accessories and interconnections required for machine operation.
4. Equipment shall have LIS & Host Connectivity - Instrument should have the facility to communicate with external PC.
5. Instrument should have quality certificate as mentioned in the receptive technical specifications.
6. The supplier shall install, calibrate and validate the equipment at the location specified in the purchase order/ Notice of award at the suppliers cost.
7. The maximum time allowed to attend any maintenance/ repair call by the supplier shall be within 12 hours. The supplier if does not attend and resolve the maintenance /repair call within the said period, will have to pay a penalty as levied by HLL. (As per clause17)
8. The supplier shall ensure 98 % uptime in a financial year. If the uptime is less than the said percentage then penalty shall be imposed in a manner detailed in point number 10.
9. Demonstration of the performance of the machine: The purchasing authority may, if found necessary will ask the bidder to demonstrate the performance of the machine. In such cases, the bidder shall have to demonstrate the performance of the machine. Bidders offering equipment namely Biochemistry analysers, Haematology analysers, HPLC, Immunoassay, flow cytometry and histopathology will have to demonstrate the equipment at the locations as desired by HLL.
10. The suppliers must have completed at least 15 installations of the Equipment in the last 36 months. The customer satisfaction report, for the respective institution to prove the authenticity of the installations shall be submitted along with the technical documents.
11. The supplier shall provide brand new machines only.
12. The quote should be inclusive of comprehensive training in the equipment supplied for minimum 1 week to HLL staff.
13. The quote should also include comprehensive warranty for a minimum period of **5 years**.
14. Prior successful experience in supplying the machines for similar applications. The name of the client, date of supply, its performance and other relevant details shall be indicated.
15. The supplier should submit 3 copies of the following documents relevant to his scope of work, two weeks prior to the commissioning of the unit, free of cost.

- a. Instruction / Testing / Operation manual (3 copies)
 - b. Maintenance manual / Lubrication Chart (3 copies)
 - c. All final drawings - Electrical, mechanical and civil (3 copies)
 - d. Relevant Test Certificates, Guarantee Certificate for each item of equipment.
 - e. Catalogue and literature on bought outs (3 copies)
 - f. Any other related documents
16. All electrical parts and control panel shall be conforming to and shall be done as per relevant BIS and any other standard stipulated by Electrical Inspectorate.
 17. All the bought out items should be of standard and reputed make.
 18. Utility requirements (Quality, Quantity, rating etc.) for the equipments shall be indicated in the bid.
 19. Calibration certificates with traceability to National Standards shall be supplied for all the instruments coming under the scope of supply of supplier.
 20. The bidder should attach to their bid detailed specifications, catalogues and other details of all the equipments quoted by them.
 21. The supplier should submit necessary test certificates of the equipment.
 22. After sales service center should be available at the city of Diagnostic Lab on 24 (hrs) X 7 (days) X 365 (days) basis. Complaints should be attended properly, maximum within 8 hrs. The service should be provided directly by Tenderer / Indian Agent. The spares for the equipment shall be available for at least 10 years from the date of supply.
 23. Any deviations from the bid documents shall be clearly indicated.

SCHEDULE V PRICE BID

ANNEXURE III - Amended

FORMAT FOR QUOTING THE COST PER REPORTABLE TEST

Equipment Type: Six-Part Haematology Analyser					
Equipment Brand name:					
Equipment Model					
Throughput (If applicable):					
Sl. No	Test parameters	Cost Per Reportable test- CPRT (Inclusive of all consumables, reagents, calibrators, Cleaning & washing solutions whatsoever it may be required to perform test) Base Rate(Rs.)	GST (%)	Cost Per Reportable test- CPRT (Inclusive of all consumables, reagents, calibrators, Cleaning & washing solutions whatsoever it may be required to perform test) Total landed cost (Rs.)	Available pack sizes
1	HB				
2	CBC				
3					
4					
5					
6					
7					
8					
<u>Total CPRT</u>					

SIGNATURE OF BIDDERS