

BRIHANMUMBAI MUNICIPAL CORPORATION OF GREATER MUMBAI

TNMC & BYL Nair Ch. Hospital, Mumbai- 400 008.

Expression Of Interest.

Subject- To invite Expression Of Interest from vendors to supply **Arterial Blood Gas Analyzer** (1 Nos.) for the use in Department of Medicine, TNMC & BYL Nair Ch. Hospital through CSR fund received in PPF of BYL Nair Hospital from Mazgaon Dock Shipbuilders Limited (MDL)

TNMC & BYL Nair Ch. Hospital is a tertiary referral center with 1623 beds. Being a major hospital in South Mumbai, a lot of critically ill patients are admitted to / treated in the wards & OPD of this hospital. All of these patients need Blood Gas tests for diagnosis and management. For this, we propose to procure **Arterial Blood Gas Analyzer** machine for the Medicine Research laboratory in the Medicine Department, TNMC & BYL Nair Ch. Hospital.

For procurement of **Arterial Blood Gas Analyzer** machine, it is proposed to invite "Expression of Interest" from potential vendors to supply the same for patients coming to EMS/MICU/Medical wards of this hospital.

To supply required **Arterial Blood Gas Analyzer** machine, vendors should obtain **Application Form** from **Dean Office on 23.09.2024 to 30.09.2024** and submit all required documents on or before **30.09.2024**, up to 1.00 pm in the drop box in Dean Office, College building, Ground floor of T.N.M.C. & B.Y.L. Nair Ch. Hospital. This will be a 2 stage EOI comprising of 2 packets; Packet A - relevant documents related to the technical specifications along with the duly filled Application form AND Packet B- Commercial documents (quotation in the prescribed format). **Packet A will be opened on 01.10.2024 & packet B will be opened on 07.10.2024** in the Dean's Office.

**SPECIFICATIONS FOR ARTERIAL BLOOD GAS ANALYZER MACHINE FOR
DEPARTMENT OF MEDICINE, TNMC & BYL NAIR CH. HOSPITAL,
MUMBAI CENTRAL, MUMBAI 400 008.**

Specification for Arterial Blood Gas Analyzer.

- 1) It should measure parameters- pH, pO₂, pCO₂, HCT, Na⁺, K⁺, Ca²⁺, Glucose, Lactate, etc. along with calculated parameters like HCO₃⁻, TCO₂, BE, SO₂, THb, etc.
- 2) It should be based on Liquid Gas Calibration technology without the use of external gas cylinder.
- 3) It should be multiple test cartridge technology.
- 4) It should be able to measure all the parameters with one single aspiration of sample.
- 5) It should be totally maintenance free.
- 6) It should have a large display or touch screen.
- 7) The system should not have more than 2 consumables including all reagents for smooth functioning of the instrument.
- 8) The instrument should have a 3 years warranty with an additional 5 year CMC (which should be within 5% of initial cost of machine.)
- 9) It must have FDA approval.
- 10) The system must have in-built, real time, FDA accepted Quality Management system.
- 11) All consumables/reagents must be stored at Room Temperature with no requirement of refrigeration.
- 12) Equipment supplied with compatible online UPS with batteries for entire machine with at least 60 minutes battery backup.
- 13) System must have quality certification USFDA and CE (European Union) for the Equipment as well as for Reagents.
- 14) Installations at substantial locations in INDIA.
- 15) Manufacturers should also be manufacturing the reagents/cartridges needed for the machine Which are approved from US FDA and CE (European), controls, calibrators with traceability Certificate and external quality assurance scheme (EQAS).
- 16) System should have warranty for period of 3 years warranty + 5 years CMC including all Regular consumables like electrodes, lamps, tubing including UPS with batteries and PC /Printer, related consumables. During this period all costs of preventive maintenance like lamps, reaction cells, tubings, UPS with batteries shall be borne by manufacturers. Hospital will not pay for any preventive maintenance required during entire period of warranty.
- 17) After warranty of 3 years, all participating companies should quote CMC charges including Complete maintenance, rates for consumables like lamp, UPS with batteries (rates for all these Consumables should be negotiable) from 4th to 8th year as stated in warranty clauses. Hospital will not pay any maintenance requirement during the entire period of machine. Firms must provide the price list of reagents /cartridges to enable the hospital to procure the same as per requirement and prices of the same will remain fixed for a period of 8 years. Hospital will not allow any price increase during same period. Pack size of reagents/cartridges should be small and should not be more than 300 tests so to prevent on board expiry of reagents/cartridge.

General Conditions :-

1. All the above equipment shall be new and manufactured from virgin materials. All the requirements of this supply shall be necessary sourced from the original equipment manufacturer of the model quoted except UPS, Printer which shall not be necessary sourced from the original equipment manufacturer of the model quoted but should be compatible with the quoted model. In case the machine is imported one no import substitution is permitted neither before the award nor after the award for any part or accessory. “Third party inspection certificate should be applied from the port of origin of shipping of equipment (from the parent companies country of origin).
2. Equipment shall operate on 230V + 15% single phase, 50 Hz + 3% electric supply. The necessary protective relaying / circuitry shall be there with the machines. The mains supply voltage variation may be max.±10% and frequency variation maximum ±3 %.
3. The quoted model shall be CE mark from European Conformity (EC) notified bodies (under MDD) along with declaration of conformity issued from European address or valid US FDA approval for the offered model and accessories along with documentary evidence to that effect shall be uploaded.
 - a) Declaration of conformity by manufacturer or EU representative of manufacturer for the quoted model.
 - b) Documentary evidence regarding firm registered with EEA (European Economic Area) Competent authority is required.
Or European Representative registered with EEA (European Economic Area) Competent authority is required.
Or other documents like certificate from notified body along with declaration of conformity.
 - c) The equipments shall be having warranty of 3 years. The Warranty and CMC shall cover all the spare parts for total 8 years (Warranty 3 years and CMC 5 years). The manufacturer shall supply of spares, consumables along with technical support for at least two years after the contract period of eight years is over. Commercial bid will be inclusive of warranty and CMC (Warranty 3 years and CMC 5 years).
 - d) The equipments should be provided with one hard copy in original of the detailed service manual and operation manual. Further, a soft copy is also required.
 - e) The equipment must be tropicalized as below:

Operating room temperature: 40° C

Storage room temperature: 60° C

Relative Humidity: up to 90% Non-condensing.

- f) Prospective tenderers should have a full-fledged and well-established service centre in Mumbai with engineers qualified in servicing of **Arterial Blood Gas Analyzer**.
Please provide details of the same in Annexure – 1.
- g) Demonstration of quoted model is compulsory.
- h) Service training to MEC engineers and operational training to user department.

The Installation Report & necessary documents will be submitted to the Donor. The Donor will deposit the Payment in Nair Poor Patient fund (PPF). Vendor will be by Nair PPF after receiving payment from donor. For doubts or any query you can contact at the Dean's office /Department of Medicine - Tel. No. 02223027125/02223027101/7122

Sd/-

**Professor & Head,
Medicine Department,
TNMC & BYL Nair Ch. Hospital,
Mumbai Central, Mumbai 400 008.**

Sd/-

**Dr. Anjali Parande,
Head of Social Service Dept.,
TNMC & BYL Nair Ch. Hospital,
Mumbai Central, Mumbai 400008.**

Sd/-

**Administrative Officer
TNMC & BYL Nair Ch Hospital,
Mumbai Central, Mumbai 400 008.**

Sd/-

**Dy. Dean
TNMC & BYL Nair Ch Hospital,
Mumbai Central, Mumbai 400 008.**

Sd/-

**Dean,
TNMC & BYL Nair Ch Hospital,
Mumbai Central, Mumbai 400 008.**