Arterial Blood Gas Analyzer – 1 No.

- Compact System for measuring pH, pCO₂, pO₂, SO₂, HCO₃, O₂Hb, MetHb, COHb & Electrolytes like Na, K, Ca, Mg++, BUN, Creatinine, and Cl in blood. All should be measured in a single injection/aspiration of Sample. May have provision of modular platform for further upgradation to include, glucose, lactate & hemoglobin, Hct.

- Should be able to analyze all parameters using low blood volume directly from syringe or capillaries.

- It should accept samples like whole blood (heparinized), serum/plasma, arterial, mixed venous capillary.

- Fast and accurate result of test made available in about 60-140 seconds.

- Automatic Calibration by liquid calibrators with flexible time mode.

- Cartridge based or reagents based.

- System should use latest calibration technology for all parameters i.e. liquid calibration technology (without using gas cylinders and gas mixing devices).

- Calibration / Washing reagents must be in separate individual bottles/bags instead of single sealed pack to avoid the wastage of the reagents.

- Electrodes should have long life & the warranty of all electrodes should be specifically mentioned.

- Compatible UPS with battery back up of at least half an hour.

- On board life of the reagents should be minimum 90 days.

**Warranty:** Comprehensive 5 years with CMC for 6 to 10 years after comprehensive warranty.