SPECIFICATIONS OF BLOOD GAS ANALYSER (ABG MACHINE)

1. Fully automatic, upgradeable, fast electrolyte & blood gas analyzer.
2. Essential Measured parameters; pH, pCO2, pO2, Hematocrit Lactate, glucose, Na+, K+, Ca++. All these parameters should be measured simultaneously.
4. Sample volume - less than 100 micro litre.
5. Fast analysis time – less than 60 sec.
6. Fully automatic test card technology – rectangular shape with built in gold plated electrodes and concealed calibrated fluids lines with micro technology for fluid movement.
7. Data display should be on well-illuminated, adequate size screen display.
8. Power Supply Using Rechargeable battery (lithium ion battery)
9. Back up of 6 hours with Rechargeable battery.
10. Connectivity – Via Blue tooth and WiFi for HIS and LIS .
11. Data Storage for atleast 1000 patients.
12. Calibration – Auto Calibration before every sample is inserted.
13. Operating the machine- User Friendly Touch Screen.
15. Test cards Storage – At Room Temperature
16. Upgradeable to future parameters like Cl-, Creatinine on the same card.
17. System should come along with a Windows based Personal Digital Assistant to control the entire system & printer.
18. Stand by blood gas cum electrolyte analyzer in case of breakdown.
19. Should have local service facility
20. Should supply test cards for 3 years (1000 cards/year) in a staggered manner as per expiry date of test card.
21. Warranty of 3 years and 5 years CMC after completion of three years
22. It must be UF-FDA /CE (Conformité Européenne) approved.
23. Must submit User list and Performance report
24. Demonstration is compulsory.
25. Training of hospital engineers & staff.
26. Operating and detailed service manual should be supplied.
27. Rates of consumables & accessories should be freezeed for 8 years.