Portable Hemoglobinometer

**General Specifications:**

1. Compact and lightweight portable Hemoglobinometer with Digital display.
2. Finger prick, spot testing analyzer with micro cuvette technology.
3. Should have LED/ LCD display of hemoglobin in g / l or g/dl.
4. Instrument should be able to work in hot climate, up to 45degree Celsius.
5. Should have U.S. FDA or CE mark.
6. Should have in vitro diagnostic directives 98/79/EC.
7. The manufacturer should submit user list, preferably in Govt. organization.
8. Vender should quote the rates of micro cuvette with lancet used for lancet gun, which will remain same for two years from the date of order. Micro cuvettes should be compatible with digital Hemoglobinometer.
9. Vender must supply standards and controls necessary for the hemoglobin analyzer.
10. Vender should quote, separately the rates of standards and controls necessary for the hemoglobin analyzer.
11. Instrument should have at least two years warranty.
12. Vender should be able to supply all necessary accessories (battery, cord etc.) as and when required.
13. Vender must train all the health personnel’s, where this instrument is likely to be delivered.
14. Vendor must supply 5 Lancet guns along with each unit of Hemoglobinometer.

**Technical Specifications:**

1. Instrument should work on capillary blood.
2. Instrument should base on azide methemoglobin method.
3. Instrument should have auto zero facility and switch to standby mode.
4. Instrument should work on dual wavelength, one for hemoglobin measurement (570 nm) and one for turbidity compensation (880 nm).
5. Instrument should have auto calibration and electronic self-test.
6. Accuracy of Instrument should be +/- 2 % as compared to international approved method of hemoglobin estimation.
7. Instrument should measure hemoglobin in the range of 0-25 g/dl.
8. Instrument should measure hemoglobin within 60 seconds.
9. Instrument should use minimum sample volume up to 20 micro liters.
10. Minimum 500 results should be stored with date and time, should have data transfer facility to printer or computer.
11. Instrument should work with input 220 -240 V, 50 Hz power supply. Also it should be battery operated.
12. Instrument should have power saver mode, especially when the instrument is working on battery.
13. Vendor must supply 200 Micro cuvettes and 200 lancet used in lancet gun with each unit of Hemoglobinometer.
14. Down time of the instrument should not be more than 24 hrs, otherwise stand by instrument will have to be supplied.