

TECHNICAL SPECIFICATIONS- HAEMATOLOGY ANALYZER

- 1- Fully automated analysis of RBC's, WBC's and platelets with following parameters: Total leukocyte count, neutrophill percentage, absolute neutrophill count, eosinophill percentage, absolute eosinophill count, basophill percentage, lymphocyte percentage, absolute lymphocyte count, monocyte percentage, absolute monocyte count, platelet count, MPV, PCT, PDW, Hemoglobin concentration, RBC count, MCV, MCH, MCHC, RDW, haematocrit,.
- 2- Throughput equal to or more than 60 samples/hour with whole blood samples.
- 3- Colour LCD display of text and histograms.
- 4- Report printouts on A4 size paper with external printer. External printer which can be directly connected to analyzer, is to be supplied along with the equipment. In addition, in built thermal printer.
- 5- Analyzer must have facility for connecting to computer, with compatible software able to transfer and store result values in real time, which can be retrieved later on. Compatible computer, software for connection and any cables required for connections are to be supplied along with the equipment.
- 6- Manual patient data entry by key board. Compatible key board which can be connected directly to the analyzer is to be supplied along with the equipment.
- 7- Large data storage capacity (Minimum 10000 sample result data) with patient data search function.
- 8- Power connection requirements- compatible with 220 volts AC, 50 htz.
- 9- Equipment must have provision for user defined adjustment of result values.
- 10- Equipment should be precise. Vendor should be able to demonstrate the equipment at Hyderabad, if asked for, during which BHEL authorized specialist may run sample/control of his choice, and check the precision of equipment by repeatedly running the same sample/control. Coefficient of variation must be less than 5 %.
- 11- Pre-Qualification Criteria: Vendor has to submit customer reference list (minimum two customers) using the same equipment, with their contact details (phone number of customers must be provided).

