



**Annexure-C to Enq 2760585E/OT 03**  
**Technical Specification for Haematology Auto Analyser: 3 Part diff. Cell Counter**

BHEL's Requirements	Supplier Confirmation
1. The system should provide minimum of 18 parameters including 3 part differential of WBCs (The system should give the differential count as Lymphocytes, Mid population & Neutrophils. While Mid population should include Eosinophiles, Basophiles & Monocytes).	
2. Should process at least 60 samples/ hour.	
3. The system should have automatic sample aspiration, dilution and analysts and direct digital reading system and should work based on the principle of Impedance.	
4. Should have color LCD display of minimum 5 to 6 Inches and having relatively good resolution to display all the results along with histograms.	
5. Should have two counting modes for all parameters (Whole Blood Mode & Pre-Dilution Mode).	
6. Two separate Apertures for counting RBC and WBC.	
7. The system should use non cyanide based reagent for HGB estimation.	
8. The system should have built-in printer and also provision to connect external printer.	
9. The system should have an option to print the results with or without histograms, also with the option to print parameters selected by user.	
10. Should store minimum of 1000 samples test result in memory.	
11. Should have provisions to clean the reading chamber and sample probe automatically after sample aspiration.	
12. Should have on board calibration facility.	
13. Should work on 200-240V AC 50/60 Hz power supply.	
14. Should have safety certificate from a competent authority CE or US FDA. Copy of the certificate shall be produced along with the technical details.	
15. Should have 5 years (FIVE years) on-site comprehensive warranty for all components and Service.	
16. On site comprehensive training for lab staff shall be provided.	
17. Quality check and Calibration certificate to be provided.	
18. The reagent cost per test / cost per cycle should be specified. All Reagent cost per 1 ml Involved in the cell counter should be quoted and the price to be fixed for 5 years, unless huge variation in dollar price. This cost is also considered for selection.	
19. Should provide datasheet of the product and service and user manuals both in, hard and soft copies.	
20. Should provide Start up reagents for installation and calibration.	
21. Manual should be given in English.	
<b>Other Important Points</b>	
1). The Vendor has to ensure for the availability of spares and consumable indigenously.	
2). Price List of all major Spares to be provided.	
3). Suitable Extended Warranty may be indicated.	
4). Software application if any - Up gradation of the equipment should be taken care by the vendor.	
5). The Vendor shall have service center with qualified service engineers in Tamil Nadu or nearby locations	