

**ICMR – National Institute for Research in Tuberculosis**

**Chetpet, Chennai – 600 031**

**Name of Equipment** : HEMATOLOGY ANALYZER

**Name of the Department** : HIV/AIDS

**Quantity Required** : 1 No

**TECHNICAL COMPLIANCE SHEET**

<b>S. No</b>	<b>Specifications</b>	<b>Compliance Yes / No</b>	<b>Page No. (If Yes, mention the supporting document Page No.)</b>	<b>Remarks (if any)</b>
1	The instrument should be fully automated with capability to perform 5-part differential analysis and offer automatic start-up, shutdown and sample-analysis.			
2	The instrument should report the minimum following 25 parameters: WBC, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, MPV, LY%, LY#, MO%, MO#, NE%, NE#, EO%, EO#, BA%, BA#, NRBC%, NRBC#, IG%, IG#			
3	Differential Count should include absolute numbers and percentage of Lymphocytes, Monocytes, Neutrophils, Eosinophils and Basophils.			
4	Analyzer must enumerate differentials for body fluid samples (Synovial Fluid, CSF, Pleural Fluid and Peritoneal Fluid)			
5	Principle of Working should be based on: Impedance Method/hydrodynamic focusing for RBC/ Platelet count Laser based Flow Cytometry principle for Differential Parameters Colorimetric/ Cyanide free method for Haemoglobin Measurement.			
6	The system throughput should be at least 60 samples per hour.			
7	System should have automatic probe wipe.			
8	System should have an auto sampler with capacity of 50 samples tubes at a given time.			
9	The sample volume for the complete differential blood count should be as low as 100 µl.			
10	The instrument should have a Data Flagging System to identify abnormal samples and immature cells.			
11	Report should include histogram and scatter gram.			
12	The instrument should have the facility to store a minimum of 5000 samples' data with histogram and scatter gram.			
13	Controls and calibrators required for the system should be manufactured by Manufacturer of the instrument and should be available locally in the Chennai (product brochure/data sheet of controls and calibrators along with details of local distributor in the Chennai should be provided).			

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14	The instrument should have provision for full quality control management system including Levey-Jennings diagrams.			
15	The instrument should be equipped with a hand held barcode reader.			
16	Suitable Computer/ workstation to operate the instrument with appropriate software and Windows OS should be provided. (or) For the touch screen operated analyser, HP desktop computer with latest configuration (i7 processor and 8GB RAM) should be provided free of cost.			
17	Calibration certificate should be provided at the time of installation.			
18	Five sets of Reagents should be provided for the Installation, Demonstration/Training and subsequent sample processing along with the one set of calibrator with traceability and control (Tri Level).			
19	The company should provide installation qualification, operational qualification and performance qualification with log book for maintenance of the equipment at no extra cost.			
20	Suitable online UPS with 30 min backup for the entire system should be provided free of cost.			
21	Compatible laser printer (A4 Sheet) should be provided.			
22	The company should provide onsite application training/demonstration for users (scientists/technical staff/operator) at least twice after the installation.			
23	Manufacturer of the instrument should have a local office/ representative employee in Chennai (details of Manufacturer office in Chennai/ representative employee in Chennai should be provided).			
	<b>Warranty:</b>			
24	The Hematology Analyzer should be provided with <b>minimum one year standard warranty</b> , additional <b>3 years comprehensive</b> (including spares and preventive maintenance kits) <b>and 2 years non-comprehensive warranty</b> (preventive maintenance kits should be provided free of cost) from the date of installation.			
	<b>Others:</b>			
25	The firm should provide necessary original documentary evidence of the features of the offered model in the technical bid to facilitate proper technical evaluation.			
26	Purchase orders, contact details and user satisfactory reports of the quoted model from Nationalized or reputed laboratories all over the India must be shared with quotation.			
27	Complete installation and testing the main system and the accessories to their specifications done at the site of installation free of cost. All utility requirements for installation and running the system should be mentioned in the offer.			

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28	Please indicate the year in which the model offered was introduced into the market and confirm whether the spares for the system would be available for a minimum period of 10 years and shall not be obsolete within five years of procurement.			
29	Special discount on list price for all spare parts & reagents must be given up to 10 years.			
30	Availability of local service support and response time for a service call during and after warranty specified.			

**Note :**

- 1) The supplier must send the above filled technical compliance sheet along with the Technical Bid
- 2) Supporting documents should be numbered and required specification must be highlighted for easy comparison.