Amendment no. 07

Date: 06.06.2015

Subject: Amendment no. 7 to the Tender Enquiry Document
Ref: Tender Ref: HLL/PCD/PMSSY-II/NAGPUR/05/14-15 dated 26.03.2015

Technical Specifications

Item Sl. No. 01: Fowler Beds (Motorized)

1. **Existing Specifications**

   Para (Pg.49) : Adjustable back raise, knee raise, Trendlenberg and Reverse trendlenberg positions through manual crank embossed sheet top

   Read as: All movements should be motorized

   Para (Pg.49): Pretreated and powder coated finish. Available in full stainless steel

   Read as: ABS Plastic head panel & foot panel

Item Sl. No.15 : Automated Haematology Analyzer —5 part differential —very high Throughput with accessories Bar code Reader and Software upgrades for 10 years

The technical specifications for this item are to be read as follows

Specification for 5-part automated haematology cell counter

Sr.No	TENDER SPECIFICATION
1	Automated hematology analyzer should include 24 parameters including for RBC,WBC , platelet & reticulocytes.
2	Parameter to be measured should be WBC LYM%,LYM,MON%,MON,GRA%,GRA,ESO%,ESO.BASO%,BASO,RBC,HGB,HCT,MCV,MCH,MCHC,RDW,PLT,MPV,PCT,PDW,RETIC
3	Measurement principle fully flow cytomertry or light scattering. Measurement of heamoglobin should be cyanide free.
4	It should read atleast 60 samples per hour or more
5	Should have channel measurement for Cytopenic samples & should have clot detection & protection.
6	Should have walk away automation system with autoloader & be able to perform analysis in different modes such as CBC,CBC/Diff,CBC/Diff/Retic,CBC/Retic or Retic only.
7	It should have various types of discrete mode & real time random access analysis to save reagent consumption & analysis time.
8	Sampling needle should have automatic wash from inside & outside.
9	LCD/VGA moniter with graphical user interface(GUI) for easy operation.
10	Large illuminated colored VGA or LCD should display the result of all parameters & histogram/scattergram together.
11	Should have sample manual & capillary mode
12	Should have capacity to store at least 10000 numeric patients results &10000 graphics.
13	Should have inbuilt printer/External printer
14	Should have RS232 serial & parallel port can be connected with LAN & laser printer
15	Should have a membrane keyboard for routine opration & maintainence with option to attach external keyboard for patient demographic entry at instrument opration
16	Should have three dimensional technology or flow cytometry for differential analysis to maximize resolution specificity & efficiency.
17	Should have extended analysis time cytopenic sample
18	Should have zero routine maintainence with automatic electronic aperture cleaning & back flush after each sample.
19	Instrument should accept all types of vacutainer tubes.
20	The instrument should have autoloader,& able to load atleast 100 samp;es at a time with automatic mixing .
21	There should be automatic storage of calibration data & extensive quality control programme with LJ plot for atleast 8 control lots & at least 25 runs per lot.
22	Service manual & technical data with all necessary passwords without any obligation
23	Instruction & operational manuals without any obligation
24	UPS preferably sine wave based with maintenance free batteries with duration two hours.
25	Linearity :- WBC 0.02-400* 10^3/µL PLT 5.0-3500* 10^3/µL RETICS = 0.2 =24.5% HB+0.00-22.5g/dl
26	The unit shall be capable of being stored continuously in ambient temperature of 20-30deg C & relative humidity of less than 70%.
27	Instrument must have the capacity to run CSF & other body fluids & should be FDA approved.
28	Should be able to integrate with optional automated slide maker & stainer.

Item Sl. No.16 : Automated Haematology Analyzer —3 part differential —very high Throughput with accessories and Software upgrades for 10 years

1. **Existing Specifications**

   Para 11 (Pg. 64) : The system should also have additional facility for manual discrimination in order to process veterniary sample.

   Read as: DELETED