

Ref: HLL/BME/ HCS-MED EQUIP-01/15-16/Amt.-01
Dated: 19-12-2015

Amendment No:1

to

Tender no. HLL/BME/HCS-MED EQUIP-01/15-16 Dated: 10.12.15

For supply of medical equipment to HCS Division

The following amendments are incorporated in the referred tender enquiry document:

In Technical specification:

4.TABLE TOP CENTRIFUGE

Page No.	Para No.	Tender Specification	Amended As
44	3.1	Tube Capacity: No. 24 – 36: Size 5 – 15 ml	4 X 200 ml capacity swing out rotor with suitable reduction adaptors for 4 ml,5 ml and 10 ml vacutainer.
44	4.1	Centrifuge complete with Swing and basic rotors and four buckets- 01 set.	Centrifuge -01 no 4 X 200 ml capacity swing out rotor -01 no. Price of 24 X 15 ml angle rotor head should be quoted as optional item in the price bid. Bidders are requested to quote all available rotors in the price bid as optional items.

6.COMPUTED RADIOGRAPHY

Page No.	Para No.	Tender Specification	Amended As
45	2	Added para	Bidders are requested to quote single computer which can act as console cum workstation.
45	2.1(e)	Long view cassettes for limbs- 1 set	Deleted.
46	2.2(a)	Multi stack reader with 8 in and 8 out – more will be preferred	CR Reader with single slot facility.
46	2.2 (c)	It should be able to Process all standard size cassettes and Imaging Plates, capacity should be of at least 65 IPs / Hour or more depending on size & application	It should be able to Process all standard size cassettes and Imaging Plates, capacity should be of at least 60 IPs / Hour or more for 14” X 17” cassettes .
46	2.2(i)	Reading sampling / scanning resolution should be 5-10 pixels / mm or more for general cassette reading.	Reading sampling / scanning resolution should be 10 pixels / mm or more for general cassette reading.
46	2.2 (k)	The system should be mammography compatible that is to read mammography cassette at 20 pixels or more /mm	Deleted
47	2.8	Added Para.	Dry Laser imager should be quoted as optional. Price should be mentioned separately in the price bid.
47	2.8 (b)	Printing resolution should be 500 DPI. Or more for all the films sizes.	Printing resolution should be 500 DPI or more for all the films sizes. Number of trays should be two or more.

7.DEEP FREEZER-80 DEGREE

Page No.	Para No.	Tender Specification	Amended As
		<u>DEEP FREEZER-80 DEGREE</u>	<u>DEEP FREEZER-20 DEGREE</u>
48	1.1	Deep Freezers are required to preserve plasma at specified temperature.	Deep Freezers are required to preserve calibrators ,QC and Reagents.
48	2.3	Range up to -65 ⁰ C to -85 ⁰ C(Adjustable)	Range up to -20 ⁰ C .
48	3.5	Heavy Duty refrigeration system, maintenance free, below -80 deg C (+/- 10C) cascaded connection with hermetically sealed refrigeration compressors and reliable refrigeration to minimize noise and vibration, air cooled with security lock to prevent unintentional switch off shall be supplied. It should have maximum cooling time of 4 to 5 hours at maximum ambient temperature of 33deg C.The equipment should be of continuous duty and frost free	Heavy Duty refrigeration system, maintenance free, below -20 deg C cascaded connection with hermetically sealed refrigeration compressors and reliable refrigeration to minimize noise and vibration, air cooled with security lock to prevent unintentional switch off shall be supplied. It should have maximum cooling time of 4 to 5 hours at maximum ambient temperature of 33deg C.The equipment should be of continuous duty and frost free
49	4.2	Should be supplied with suitable UPS	Deleted.

17.LABORATORY INCUBATOR

Page No.	Para No.	Tender Specification	Amended As
59	1.1	Used to grow and maintain microbiological cultures or cell cultures. The incubator maintains optimal temperature, humidity and other conditions such as the carbon dioxide (CO ₂) and oxygen content of the atmosphere inside.	Used to grow and maintain microbiological cultures or cell cultures. The incubator should maintain optimal temperature.
59	3.1	Microprocessor based Incubator for laboratory application having temperature ranging from ambient to 100°C	Microprocessor based Incubator for laboratory application having temperature ranging from ambient to 65 °C
4.1	60	Should be CE/BIS approved product.	Deleted

18.LABORATORY REFRIGERATOR

Page No.	Para No.	Tender Specification	Amended As
61	1.1	For storing blood plasma and other blood products, vaccines, other medical or reagents. Also to cool samples or specimens for preservation . For faster pull-down and recovery times, it should have a bypass refrigeration and microprocessor-based controls	For storing blood plasma and other blood products, vaccines, other medical or reagents. It should be microprocessor based.

19.PH METER-DIGITAL

Page No.	Para No.	Tender Specification	Amended As
61	1	Should have up to 6 point calibration with auto-buffer recognition.	Should have 3 stage calibrations.

61	3	Should have Non-volatile memory holds up to 500 data points – time and date – stamped for GLP compliance.	Deleted.
61	8	Should have pH Range up to 20	Should have Working range from 0 to 14.
61	9	Should have Resolution / Accuracy of 0.1 mV ; ± 0.2 mV.	Should have resolution of Should have resolution 0.1/0.01 pH.

23.WATER BATH

Page No.	Para No.	Tender Specification	Amended As
64	1.1	Temperature should be controlled at increments of 1° C or less and is controlled by thermostat from room temperature to 100° C with an accuracy of $\pm 1^\circ$ C.	Temperature should be controlled at increments of 1° C or less and is controlled from room temperature to 100° C with an accuracy of $\pm 1^\circ$ C.
64	2.9	Should have a water circulatory device.	Deleted.
64	3.1	Should be supplied with removable stainless trays for accommodating test tubes and flasks to fit the water bath.	Should be supplied with removable stainless trays for accommodating test tubes to fit the water bath.

All other contents, terms & conditions of the tender enquiry remain unchanged.