



Notice Inviting e-Tender

West Bengal Medical Services Corporation Limited

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Supply and Commissioning of Medical equipment for the District Integrated Public Health Laboratory

(Discipline-Haematology)

(Submission of Bid through *online*)

Bid Reference No.: WBMSCL/NIT-54/2023

Dated-08.02.2023

AMENDMENT-I

Revised Technical Specification

ITEM-1

Cell counter automatic (5 part) for haematology

Specification	Specification Name	Bid Requirement (Allowed Values)
Performance Parameters	Type of system offered	closed system
	Analysis principle	LASER / flow cytometry based scatter analysis
	Type of cell counting	5 part WBC differential
	NRBC%	Optional
	Availability of body fluid(CSF, synovial, serous) parameters like WBCBF , RBCBF, MN#,MN%,PMN%,PMN#, TC-BF#	Optional
	Discrete analysis modes available	CBC,CBC+DIFF
	Analysis method for WBC	Flow cytometry
	Method for platelet measurement	dual angle light scatter / fluroscent / Electrical impedance

Specification	Specification Name	Bid Requirement (Allowed Values)
	RBC Measurement method	Electrical impedance/ flow cytometry
	Hb measurement	cyanide free colorimetry
	No of sample racks to cater to different tube sizes	With autoloader
	Maximum sample Aspiration volume needed in all modes	50µl -100µl
	Minimum sample volume required in all modes	60µl or less
	Throughput capacity in CBC/Differential	60 or more
	Type of modes of sample running	Open vial
	Hemoglobin linearity	0 to 25 gm per litre
	Availability of Auto dilution	Yes
	should have clot detection facility	Yes
	Type of Calibration	Both manual and automatic
	Separate diluting nozzles for RBC and WBC	Yes
	Double bathing mechanism	Optional
	Upgradable to integrate with attachment	Yes
	Data Management and Display	Type of data management
Display		LCD/LED
PC hard disk		Optional
Inbuilt monitor size in inches		>5
Processor of PC Provided with system		NA (If PC not provided)
RAM		NA (If PC not provided)
HDD		NA (If PC not provided)
PC Monitor size in inches if PC provided externally		NA (for Inbuilt based)
HIS/LIS Interface		RS232 or others
Type of external storage		USB
No of USB Port provided		4
Printer facility	Yes	

Specification	Specification Name	Bid Requirement (Allowed Values)
	Type of printer unit	External
	Printer type	LASER printer
	"Database capability of storing sets of results and graphics"	>=20000
	L J Plot facility	Yes
	delta check for cumulative review	Yes
	On line QC option	Yes
	QC File management	Yes
	Type of user Interface or data entry	all three
Power Requirements	Rating of online UPS in KVA	1 KVA
	Back up time in minutes	30 min
ACCESSORIES ,SPARE PARTS AND CONSUMABLES	"Offered equipment unit to be supplied with sufficient consumables (with at least 2/3rd of total shelf life) required for, sufficient to carry out haematological testing of samples"	500
	Net work integration with lab information system feature	Yes
Miscellaneous Parameters	Warranty (Option of comprehensive warranty is available through bidding only, which if opted will supersede normal warranty in the catalogue)	2 Years
	Number of installations in Central / State / PSU Govt Hospitals (Hint: Seller should supply a performance certificate of the device to the buyer in case demanded after placement of order)	More than 3
	Availability of toll free facility for technical support maintained by OEM or authorised agencies	Yes
	Certification	CE / EC / UK Cert / US FDA / BIS
	Calibrator	01 set
	Quality control	01 set

ITEM-2

Cell counter semi-automatic (3 part) for haematology

Specification	Specification Name	Bid Requirement (Allowed Values)
Performance Parameters	Type of system offered	closed system
	MID% analysis	Yes
	MtD# analysis	Yes
	Gran% analysis	Yes
	Gran# analysis	Yes
	Analysis method for WBC	Electrical impedance/ flow cytometry
	Method for platelet measurement	Electrical impedance/ flow cytometry
	RBC Measurement method	Electrical impedance/ flow cytometry
	Hb measurement	Photometric /direct cellular measurement
	Types of modes of running sample	Open vial
	Maximum sample aspiration volume needed in any of modes	should be less than 300 µl
	Minimum sample volume required	should be 100 µl or less
	Throughput capacity of analyser in (samples/ hour)	60 or more
	Hemoglobin linearity	0 to 25 gm per litre
	Availability of Auto dilution	Optional
	Type of Calibration	automatic, manual, both (automatic and manual)
	Direct aspiration for capillary blood	Yes
	Separate diluting nozzles for RBC and WBC	Yes
Double bathing mechanism	Yes	
Data Management and Display	Type of data management	Inbuilt system
	Display	LED / LCD / TFT
	Inbuilt monitor size in inches	More than 5
	PC Monitor size in inches (When PC provided externally)	NA (if Inbuilt system)
	PC hard disk	NA
	RAM capacity of PC System	NA (if no PC provided)
	HIS/LIS Interface	HL7 or others
	Type of external storage	USB
	No of USB Port	2 or more
	Data management systems	Provide histograms in display and print

Specification	Specification Name	Bid Requirement (Allowed Values)
	Type of user Interface or data entry	all three (touch screen / Non touch screen, handheld barcode reader facility and manual)
	"Database capability of storing sets of results and graphics"	>= 20000
	Printer facility	No
	Type of printer unit	Inbuilt / External
	Printer type	Thermal printer
Power Requirements	Type of UPS	Online
	Rating of UPS in KVA	1 KVA
	Back up time in minutes	15 min
Accessories, spare parts and consumables	"Offered equipment unit to be supplied with sufficient consumables (with at least 2/3rd of total shelf life) required for, sufficient to carry out haematological testing of samples"	500
Miscellaneous Parameters	Warranty (Option of comprehensive warranty is available through bidding only, which if opted will supersede normal warranty in the catalogue)	3
	Number of installations in Central /State/PSU Govt Hospitals (Hint: Seller should supply a performance certificate of the device to the buyer in case demanded after placement of order)	More than 3
	Availability of toll free facility for technical support maintained by OEM or authorized agencies	Yes
Additional Specification Parameters - Automated Hematology Analyser (3 Part)		
Specification Parameter Name	Bid Requirement (Allowed Values)	
Certification	CE / EC / UK Cert / US FDA / BIS	
Calibrator	01 set	
Quality control	01 set	

ITEM-3
Binocular Microscopes

Specification	Specification Name	Bid Requirement (Allowed Values)
CONFORMITY / TYPE / EYE PIECE - OBJECTIVE DETAILS	Microscope Type	Binocular non hinged type with built in light and with light intensity regulator
	Optical System	Infinity corrected
	Eye piece Type	Compensating, (FOV : 20 mm or more)
	Eye Piece with magnification	Set of Two For Binocular 10x
	Objective Type (Infinity)	Plan achromatic
	Objective Magnification	40X to 1000X
	Numerical Aperture of Objective	1.25
	Number of installations in Central / State / PSU Govt Hospitals (Hint: Seller should supply a performance certificate of the device to the buyer in case demanded after placement of order)	3 or more
	Type of lamp for Illumination	led
WARRANTY	Warranty	3 years
Specification Parameter Name	Bid Requirement (Allowed Values)	
Objective Magnification	4X,10X,40X & 100X (oil immersion)	
Certification	CE / EC / UK Cert / US FDA / BIS	

ITEM-5
Deep Freezer (-20°C)

Specification	Specification Name	Bid Requirement (Allowed Values)
ITEM	item	Vertical (Upright) Freezer
DESIGN	No of Door	Double
	Position of Door	Front Opening
	Door Type	Hinged
	Air Tight Door	Yes

Specification	Specification Name	Bid Requirement (Allowed Values)
	No of shelves	6 (adjustable)
	Wheels	Yes
	Type of Insulation	Poly Urethane Foam
	Method of Defrosting	Forst free
	Type of cooling	Direct
MATERIAL	Material of chamber interior	Stainless steel 304
	Material of chamber exterior	Stainless steel 304
	Door Material	Stainless steel 304
	Cooling Coil Material	Copper
CAPACITY AND DIMENSION	Storage Volume(Net Capacity) (Liters)	650 Litres or more
	Insulation Thickness(in mm)	As applicable
	Holdover Time(minute)	15 or more
PERFORMANCE	Compressor	AC/DC Compressor
	Set temperature range(delta)	5
	Minimum achievable Temperature At 32 degree Centigrade	-22°C (accuracy ±0.5°)
	Voltage	Single Phase 230V
	Voltage stabilizer (Servo)	150V to 250V
	Power Consumption (kw/day)	6
	Energy Efficiency	3 star or more
	Number of installations in Central / State / PSU Govt Hospitals (Hint: Seller should supply a performance certificate of the device to the buyer in case demanded after placement of order)	3 or more
Additional Specification Parameters - Industrial Refrigerator, Chiller and Deep Freezer		
Specification Parameter Name		Bid Requirement (Allowed Values)
Warranty 2 years		Mandatory
Lock System		Mandatory
Display		LCD/LED

Specification	Specification Name	Bid Requirement (Allowed Values)
Certification		CE / EC / UK Cert / US FDA / BIS