



## **Notice Inviting e-Tender**

### **West Bengal Medical Services Corporation Limited Swasthya Sathi GN-29, Salt Lake, Sector-V Kolkata-700091**

Phone No (033) 40340307/320

E mail: procurement@wbmsc.gov.in

#### **Supply and Commissioning of Medical equipment for 02 (two) new Government Medical College & Hospital, Dept. Of Pathology**

(Submission of Bid through *online*)

**Bid Reference No.: WBMSCL/NIT-247/2025**

**Dated-28.03.2025**

**2<sup>nd</sup> call of bid reference no. WBMSCL/NIT-198/2025 Dated-24.04.2023**

#### **Amendment-I**

### **REVISED TECHNICAL SPECIFICATION**

#### **Item No.-01**

#### **HOT PLATE**

1. Outer body P.C.R sheet and duly powder coated-Heating elements
2. Grade of Rating: 2.0 kW
3. Temperature regulator and precise temperature controlling facility
4. Temperature range: Max. 80°C
5. Size: 18" x 18" x 12"
6. Certifications: Valid CDSCO Certificate License for the manufacturer(s) & Registration Certificate from CDSCO for the importer(s) as applicable.

#### **Item No.-02**

#### **PARAFFIN EMBEDDING BATH**

1. Paraffin keeping bath capacity: 5000mL. Paraffin flowing tube temperature: 50~70°C
2. Paraffin dropping board temperature: 50~70°C. Tools bath temperature: 50~70°C
3. Tissue keeping tank temperature: 50~70°C. Tissue cassettes keeping bath temperature: 50~70°C
4. Pincer hole numbers: 4 stations. Tissue cassettes keeping bath size: 260×200×50mm
5. Voltage and frequency: AC220V±22V 50Hz .Power: 800w LS-101+ COLD PLATE
6. LED displays current temperature, preset value, start/end of time and so on.. Large working surface can put 100 cassettes. Attaining working temperature after switching on 10 minutes.
7. Certifications: Valid CDSCO Certificate License for the manufacturer(s) & Registration Certificate from CDSCO for the importer(s) as applicable

**Item No.-03**  
**Autoclave**

1. High Pressure, electrically heated vertical steam sterilizer is used for sterilization of surgical instruments, dressing material, lined, rubber, plastic material by means of saturated steam under pressure of 15 to 20 psi (adjustable). A part from health services it is also used in scientific research institutions and universities.

2. Sturdy double walled construction with boiler made of stainless steel of SS-304 sheet is easy to operate. Outer shell is made of Stainless Steel. Stainless steel Bucket with handle with perforated wall. The boiler and outer shell is provided with air insulation: Lid is made of stainless steel plate and is tightened around by wing nuts. Moulded, jointless gaskets are made of Neoprene rubber: Sterilizer is hydraulically tested upto 40 psi.

3. Fitted with water level arrangements to indicate water position inside the boiler, pressure gauge, Air/steam release cock. Loaded safety Valve which can be set at any selected point from 10 psi. to 20 psi.  $\pm$  3 psi. and drain, ISI marked immersion heating element (one 2KW) heats the water and steam to desired temperature and pressure.

4. Size: Dia X Depth = 400 mm X 600mm

5. Certifications: Valid CDSCO Certificate License for the manufacturer(s) & Registration Certificate from CDSCO for the importer(s) as applicable.

**Item No.-4**  
**Ultrapure water solution- Distilled water plant**

Distillation Unit, Double Stage, with Borosilicate Boiler & Condenser, Built-in Cut-Off with Reset Button, cabinet type, Horizontal Model. Output: 1.5 - 2.5L /Hr. (approx); Electrical point: 1KW single phase (preferable); Cooling Water Consumption: 100 L /Hr; Biological Property: Pyrogen Free; pH of water: 6.9-7.1

Certifications: Valid CDSCO Certificate License for the manufacturer(s) & Registration Certificate from CDSCO for the importer(s) as applicable.

**Item No.-5**  
**Water bath**

1. Digital display, temperature range from ambient to 75°C, set value memory
2. High temperature consistency (control accuracy 0.2°C), working temperature above 44°C Indicated by flashing LED Set temperature displayed in addition to actual temperature.
3. Jet-black aluminium surface with special scratch-proof plastic coating ensures highest thermal conductivity.
4. Tank: High grade SS tank
5. Operating Voltage: 230 $\pm$ 10VAC 50Hz. Capacity: 5-8 ltr.
6. Certifications: Valid CDSCO Certificate License for the manufacturer(s) & Registration Certificate from CDSCO for the importer(s) as applicable.

**Item No.-6**  
**Centrifuge Machine**

<b>Specification</b>	<b>Specification Name</b>	<b>Bid Requirement (Allowed Values)</b>
Performance Parameters	RPM	up to 6000 (adjustable)
	Type of Motor	Brushless (without carbons)
	Ambient operating Temperature range in Degree centigrade Celsius and humidity range	0 to 50 degree centigrade and Relative humidity 15 to 90%
	Speed Control Accuracy in case of set speed (Plus minus RPM )	50
	Rotor configuration	Angle Rotor
	Maximum Volume of the tube testable	10 ml.
	Rotor Size (Capacity)	16 Vacutainers ( with 10 ml adapter)
	Warranty in Years	2
Material Parameters	Body Material of Medical Centrifuge	C.R.C Steel Finish with Powder Coating or stove painting / ABS plastic of injection moulding
<b>Additional Specification Parameters - Medical Centrifuge</b>		
<b>Specification Parameter Name</b>		<b>Bid Requirement (Allowed Values)</b>
Additional adapter		6 ml. adapter 16 units
Certification		Valid CDSCO Certificate License for the manufacturer(s) & Registration Certificate from CDSCO for the importer(s) as applicable.

**Item No.-7**

**Fully Automated Flexible Coverslipping Workstation**

1. The quoted model should be high quality glass coverslipper.
2. Should be Compact bench top unit & should work with high-quality standard coverslip.
3. Should produce slides with superior optical quality for reliable long-term storage and allow for each single glass slide separately and without bubbles
4. It should have the storage capacity of about 250-350 pcs. of slides.
5. Should be capable of cover slipping 200- 300 slides per hour

6. Should be able to handle slide racks of various manufacturers and should be adaptable to individual laboratory requirements
7. Should be used with common range of mounting media including mounting with wet mountants. Should dispense adequate amount of mountant for coverslipping each slide.
8. Should be equally useful for histopathology and Cytopathology slides
9. Should be highly reliable, cause minimum wastage and form a fully automated walk-away system
10. Should have an inbuilt system for fume extraction so as to minimize exposure of lab personnel. It should have active carbon filters for safety.
11. Should have permanent self monitoring function with acoustic and optical instrument status indications like e.g. 'Add coverslip', 'Coverslipping completed'.
12. Should be capable of being integrated with automated strainers of same manufacturer
13. Certification: European CE/USFDA/BIS
14. Instrument should have an operating voltage suitable for Indian plugs.
15. Voltage supply 230 V-50/60 Hz.
16. Onsite demonstration of the instrument should be mandatory
17. Certifications: Valid CDSCO Certificate License for the manufacturer(s) & Registration Certificate from CDSCO for the importer(s) as applicable.

**Item No.-8**  
**Stand-alone cold plate**

1. Compact table top system with
2. Cold plate area to accommodate 60-80 regular size paraffin block
3. Cold plate temperature -3°C to -12°C or better (adjustable temperature control is preferable)
4. Power supply AC 220-240 V/50 Hz
5. Certifications: Valid CDSCO Certificate License for the manufacturer(s) & Registration Certificate from CDSCO for the importer(s) as applicable.
6. Onsite demonstration of the instrument should be mandatory.

**Item No.-9**  
**Water bath (Tissue Floatation)**

Rectangular water bath for flattening paraffin embedded tissue sections in all areas of biomedical research and routine diagnostics. used for maintaining specimens and solutions at required temperature for immunohistochemical and enzyme chemical application.

Digital display, membrane keyboard, temperature range from ambient to +75°C, set value memory.

High temperature consistency (control accuracy 0.2°C), working temperature above +44°C indicated by flashing LED.

Set temperature displayed in addition to actual temperature. Jet-black aluminium surface with special scratch-proof plastic coating ensures highest thermal conductivity. Capacity 2L

Certifications: Valid CDSCO Certificate License for the manufacturer(s) & Registration Certificate from CDSCO for the importer(s) as applicable.

**Item No.-10**

**Single Pan Digital Balance, Chemical**

<b>Specification</b>	<b>Specification Name</b>	<b>Bid Requirement (Allowed Values)</b>
PERFORMANCE PARAMETERS	Type of Electronic Weighing Machine	electronic weighing scale, electronic personal weighing scale
	Range	50 mg to 1200 gm
	Resolution(gms)	50 mg
	Class type	Class-II
	Display	LED, LCD
	Number of Display	single
	Speed of measurement	1.0 Or higher
	Internal calibration	Yes/No
	Tare provision	Manual
	Connectivity to Computer	Yes, No
	Number of USB ports	optional
	Number of RS232 ports	1
	Power Requirement	Mains operated
	Power Supply	Single Phase
	Battery Backup	Yes
	Backup time(hour)	30 min
	Battery type	NA
	Type of Sensing Element	Load Cell/EMFC
Warranty in Years	2	

<b>Specification</b>	<b>Specification Name</b>	<b>Bid Requirement (Allowed Values)</b>
STANDARDS	Conformity to Indian Standard, IS:9281-3 (1981) part I,II, III & Part IV (latest)	Yes
	BIS Marked	No
	CE Certified	Yes, No
Dimensional & Material Parameters	Pan/ Platform Shape	rectangular, Square
	Pan/ Platform Size	290 mm x 240 mm, 300 mm x 300 mm
<b>Additional Specification Parameters - Electronic Weighing Systems-IS:9281-Part I,II, III &amp; Part IV</b>		
<b>Specification Parameter Name</b>		<b>Bid Requirement (Allowed Values)</b>
warranty 2 years		Mandatory
Certification		Valid CDSCO Certificate License for the manufacturer(s) & Registration Certificate from CDSCO for the importer(s) as applicable.

**Item No.-11**

**Balance, Chemical with weights**

As per available standard (NMC Guideline)