



Government of West Bengal  
Department of Health & Family Welfare  
OFFICE OF THE SUPERINTENDENT

M R Bangur Hospital & M R Bangur Super Speciality Hospital  
241 & 249 Desh Pran Sashmal Road, Tollygunge, Kolkata - 700033  
[www.mrbangurhospital.org](http://www.mrbangurhospital.org),

Email: [supdt\\_mrbh@wbhealth.gov.in](mailto:supdt_mrbh@wbhealth.gov.in), [districthospitalspg@gmail.com](mailto:districthospitalspg@gmail.com)

NIT No: MRBH/679

Date - 13.03.25

**NOTICE INVITING e-TENDER**

The Superintendent, M R Bangur Hospital is going for e-Tender on behalf of the Health & Family Welfare Department, Government of West Bengal for obtaining the rate of equipment as per list from bonafide Manufacturer/Direct Importer/Authorized Distributors/Seller. Necessary earnest money to be submitted for participation in the Tender is appended in the table below. **Exemption of EMD is applicable to agencies having valid MSME/SSI Certificate.**

Serial No	Name of equipment	Department	Quantity	Earnest Money
1.	ALS Simulation Manikin (Specification in Annexure – III)	CCU	1 pc	RS. 12000.00

All bidders must complete their technical demonstration of their quoted items within ten (05) days from the date of bid publication to the concern Department.

**1. General instructions:**

In the event of e-filing, intending bidder may download the tender documents free of cost from the website: <http://wbtenders.gov.in> directly with the help of DSC or from the hospital website [mrbangurhospital.org](http://mrbangurhospital.org) or Health & Family Welfare Department's website [www.wbhealth.gov.in](http://www.wbhealth.gov.in).

**2. Submission of Bids:**

Both Technical Bid and Financial Bid are to be submitted concurrently duly digitally signed, in the website <http://wbtenders.gov.in>. All papers must be submitted in English language.

**3. Time Schedules:**

The time schedule for obtaining the bid documents, the submission of bids and other documents etc. will be as per the list provided in clause no 13 as given below.

**4. Eligibility for Quoting:**

**Only Manufacturers/direct Importers/Authorized Distributors/reputed seller are eligible for quoting.** The price is to be quoted In Indian Rupees including cost of insurance, packing, forwarding freight charges, clearing charges and installation of the new instrument and exclusive of GST and other taxes which are to be quoted separately in the BoQ.

**5. Submission of Tender:**

The tender is to be submitted in Two Bid System (Technical Bid or Bid A & Financial Bid or Bid B).

(A) Technical Bid or Bid A

**"BID A": PART I**

**COVER "A":** File containing Technical Bid only - single file with multiple scanned pages containing Statutory and My documents separately.

(a) **STATUTARY** Cover containing the following documents:

Essential Requirements of the Tendering Firm for participation shall contain all papers related to the essential requirements of the tenderer for **participation** in the tender viz.

S.No.		Page no
1	Duly filled in Check List in the prescribed format. Page number of documents must be mentioned in the check list before uploading the documents.	
2	Application in the prescribed format given in Annexure I	
3	No conviction certificate in the form of an Affidavit as per Annexure-II	
4	A Proof of submission of applicable EMD	

(b) **NON STATUTORY / MY DOCUMENTS** Cover Containing the following documents:

Essential Requirements of the Tendering Firm for participation shall contain all papers related to the essential requirements of the tenderer for participation in the tender viz.

Sl.No.	Category	Sub Category	Sub Category Description	Page No
A	Certificates	A1. Certificates	PAN Card at the authorized signatory	
			Professional Tax Registration certificate with valid payment challan	
			Trade License in the name of participating firm	
			GST Registration certificate	
		A2 : Credentials	List of purchaser In Govt. Institutions of repute, for last two years	
			Purchase Order	
			Payment Certificate	
		A3 : Others	Quality Assurance Certificate Authorization letter	
B	Financial Info	B1: ITR	Income Tax Returns submitted for the last three Years	
		B2: Audited P/L & Balance Sheet	P/L & Balance sheet of the last three years	

## "BID A": PART II

Technical specifications of Instrument (in PDF/Excel format. Must mention Make, Model, exact features of the offered item against each point given in the specification chart). Improper filling &/or suppression of facts/false statement will lead to disqualification and penalty in the form of permanent black listing.

### (B) Financial Bid or Bid B

COVER "B": Separate file containing financial document only.

(a) Financial Bid: BOQ in INR (in excel sheet)

The folder marked as "Financial Bid" shall contain all inclusive price in INR only and should include base price along with the cost of allied works and services which are to be undertaken (like installation, commissioning of equipment or PC etc.), cost of insurance, packaging, forwarding, delivery Charges, clearing charges of the new instrument to be purchased. GST and any other applicable tax should be quoted separately.

If warranty period not mentioned in the specification, in that case warranty period will be treated as 01 (one) year only.

The Tenderers are not required to submit the hard copies of Cover A (Transaction document of EMD, General Documents and Technical Specifications).

## **6. Evaluation of Tender:**

During tender evaluation process, "Bid A" will be opened first. Those tenderers who would qualify the Statutory & Non-Statutory requirements on the basis of technical and commercial documents will be identified and asked for physical demonstration within a stipulated time. During demonstration, the TIA reserves the right to disqualify any bidder without showing any reason thereof. "Bid B" i.e. financial bid of only those qualified bidders after demonstration will be opened. Verification of hard copies of the audited balance sheet and Profit & Loss Accounts of the Tenderers for the last three years will be made if deemed necessary before opening the Financial Bid (Bid B) of the technically qualified bidders. If found suitable on the basis of above pre-qualification, the tenderer quoting the lowest rate, will be considered as successful.

## **7. Earnest Money:**

The earnest money of the tenderer is liable to be forfeited if the tenderer withdraws his tender as a whole or for any particular item or items at any stage after opening of the tender or fails/refuses to enter into written agreement for any or all of the items of his accepted bid within the time specified when requested to do so or fails to furnish Performance Bank Guarantee within the stipulated time. EMD should be deposited online in the Pooling Account of Government of West Bengal maintained at ICICI Bank, RN Mukherjee Road Branch in the manner as prescribed in Government order no. 3975-F(Y) dated 28/07/2016.

## **8. Rate:**

The price is to be quoted in INR only including Insurance, entry tax, packaging, forwarding, delivery charges, clearing charges and installation of the new instrument. The basic rate should be furnished inclusive of Transportation Cost, Insurance, Testing Charges, and Incidental Charges etc. but excluding GST and any other applicable taxes etc. which should be quoted separately in the template for Bill of Quantities (BOQ).

Purchase will, however be made following the existing purchase policy of the Govt. of West Bengal and its amendment(s) made from time to time. The purchase policy of the State Government as provided in the West Bengal Financial Rules, the policy of price preference in particular incorporated under Notification No. 10500-F dated 19.11.04, 5400-F(Y) Dated 25/06/2012 and subsequent relevant orders should be observed in considering the tenders.

## **9. Guarantee/ Warranty Period:**

- i) The machine/Instrument should be covered by free on-site comprehensive Warranty for one year after successful installation.
- ii) All faults appearing and their rectification shall be periodically advised to the Institute, the period being not more than two weeks.
- iii) Any lacuna or lacunae noticed in the functioning of the installation as a result of any design or other feature shall be rectified by the supplier free of cost within 72 hours of call log.
- iv) After sales service must be provided by the supplier, during and after warranty period of the equipment. Selected vendor will remain liable to attract penalty for violation of machine downtime as per agreement. The selected vendor or his authorized servicemen has to attend the machine within 72 hours of Call Log. It is desirable to have a fully equipped service centre in or around Kolkata.

## **10. Delivery, Installation and Commissioning**

- i. Delivery of the goods at the purchaser's premises shall be completed by the Supplier in accordance with the terms specified by the purchaser.
- ii. The installation, testing and commissioning of the proposed system shall be completed in accordance with the order.
- iii. All items are to be delivered within two weeks from the date of placement of order.

## **11. Penalty Clauses:**

PENALTY FOR FORMATION OF CARTEL OR FURNISHING OF FRAUDULENT/ MISLEADING DOCUMENTS: If

during the tender process or at any stage during the validity of the tender period, it is found that a tenderer(s) has formed a cartel in what so ever form or name to fix up the rates or suppliers to the detriment of the fairness of the tender process, penal measures shall be initiated. Similar penal measures shall also be initiated against those tenderers who have submitted false/ misleading/ fraudulent documents or made incorrect declarations. The penal measure will be forfeiture of Earnest Money, forfeiture of Performance Security Deposit if enlisted as a supplier in addition to any other legal action against the firm.



Nature of offence	Penalty to be imposed
Any wrong or misleading information provided by the Tenderer during submission of bids	a. Forfeiture of EMD &/or Security Deposit. b. May lead to blacklisting for at least 5 years.
Non execution of agreement within 14 days of issue of AOC	a. Forfeiture of EMD &/or Security Deposit. b. Blacklisting for 5 years. c. Blacklisting to be circulated to all procurement agencies throughout the country.
Supplying refurbished goods instead of new	a. Termination of Contract. b. Blacklisting for 5 years. c. Blacklisting to be circulated to all procurement agencies throughout the country. d. Forfeiture of the Performance Bank Guarantee. e. Lodging FIR.
Breach of Agreement	a. Termination of Contract. b. Blacklisting for 5 years. c. Blacklisting to be circulated to all procurement agencies throughout the country. d. Forfeiture of the Performance Bank Guarantee. e. Lodging FIR

## 12. Validity of Period of Agreement:

The contract period will be for a period of 01 (one) year from the date of finalization of tender which can be amended for a further period of 6 months if Tender Selection Committee feels necessary.

## 13. Schedule :

Sl No	Schedule	
1.	Date of uploading of N.I.T. Documents (online) from this end.	13.03.2025
2.	Documents download start date (Online)	14.03.2025 (10.00am)
3.	Bid Submission starting (On line)	14.03.2025 (11.00am)
4.	Bid Submission closing (On line)	20.03.2025 (06.55)
5.	Bid opening technical bid(online) (Bid A)	21.03.2025 (01.00pm)
6.	Date & for opening of Financial Proposal (Bid B) (Online)	To be declared later
7.	Date of uploading of list of bidders along with the approved rate.	To be declared later

## 15. Selection:

- During the scrutiny, if it comes to the notice of tender inviting authority that the credential or any other paper found incorrect/ manufactured/ fabricated, that bidder would not be allowed to participate in the tender and that application will be out rightly rejected without any prejudice.
- Prospective bidders must give physical demo of the machine before the designated person/team to qualify in technical evaluation round. The TIA reserves the right to cancel any bid at technical level, if the product found unsatisfactory during demonstration.
- The Tender Selection Committee reserves the right to cancel the N.I.T. due to unavoidable circumstances and no claim in this respect will be entertained.

## 16. No-Conviction Certificate:

No conviction declaration is to be submitted in the prescribed Pro-forma as per Annexure-II attached herewith in agency's letter head.

  
Superintendent  
M.R. Bangur Hospital, Kolkata

**Memo No. MRBH/** 670/1(7)

**Date:** 13.03.25

Copy forwarded for information and taking necessary action to:-

1. The Director of Health Services, Govt. of West Bengal, Swasthya Bhawan, Kolkata – 91
2. The District Magistrate, South 24 Parganas.
3. The CMOH, South 24 Parganas.
4. All Members of Tender Selection Committee, MRBH,
5. The IT Cell, Swasthya Bhavan, Kolkata – 700091 with the request to publish the NIT in departmental website.
6. Office Notice Board, MRBH,
7. Office copy.

  
Superintendent  
M.R. Bangur Hospital, Kolkata

## CHECK LIST

NOTE: For Non applicability for some documents please mention "NA" in the check list. Must be mention page number in the check list.

S. NO	Item	Please put tick or NA	Page No.
1	Application submitted in Annexure I		
3	No conviction declaration in letter as per Annexure-II		
4	Income Tax Returns submitted for the last three years		
5	GST Registration certificate(not provisional)		
6	PAN Card of the organization and/or authorized signatory.		
7	Professional Tax Registration certificate with valid payment challan		
8	Manufacturer's guarantee in case of Distributors and Direct Importer, to be obtained from manufacturer/Seller's Guarantee		
9	Audited P/L & Balance sheet of last three years		
10	Technical specifications of Instrument (in PDF/Excel format.) Mention Make, Model, exact features of the offered item against each point given in the specification chart.		
11	Trade License in the name of participating firm		
13	Valid Manufacturing License(if applicable)		
14	Import License with validity (for importers)		
15	List of purchaser in Govt. Institutions of repute, for last <i>two</i> years, Purchase Order and/or Payment certificate		
16	A Proof of submission of applicable EMD		
17	Quality Assurance Certificate		
18	Authorization Letter		

## Annexure- I

### APPLICATION

(To be furnished in the Company's official letter pad with full address and contact no. etc)

To,  
The Superintendent,  
M.R. Bangur District Hospital,  
241, DPS Road, Kolkata-33

Sub : Submission of e-Tender in response to e-NIT no. \_\_\_\_\_ Date: \_\_\_\_\_ of the  
Superintendent, M.R. Bangur Hospital, for supply of \_\_\_\_\_.

Sir,

Having examined the pre-qualification & other documents published in the e-NIT  
I / we hereby submit all the necessary information and relevant documents for evaluation.

1. That the application is made by me / us on behalf of .....  
in the capacity of Proprietor/ Managing Director/Partner of the Agency  
.....duly authorized to submit the offer.
2. That I/We accept the terms and conditions as laid down in the e-NIT mentioned above and submit with rubber stamp & signed as uploaded and declare that I/We shall abide by it throughout the tender period.
3. In the event of being selected, I/we will make the supply within the stipulated period excepting the condition which is beyond our control.
4. I/we understand that:
  - (a) Tender Inviting Authority can amend the scope & value of the contract.
  - (b) Tender Inviting Authority reserves the right to reject any application without assigning any reason.
5. I/we have not ever been convicted of any offence making liable to be disqualified to supply of any items to any government or government undertaking organisation/institution in India.
6. No case is pending against me or against our firm in any criminal court of law relating to supply of any item/works to any government or government undertaking organisation/institution in India( if any case is pending, state the details).
7. I/we also declare that if any information provided herewith subsequently found incorrect or false it will automatically render the tender submitted be cancelled and make liable for penal/legal action as per terms and conditions of this tender and law of the country.
8. I/We affirm further that the statements made by me/us in this tender are true to the best of my/our knowledge and belief and all the documents attached are genuine and correct.

Date:

Full Signature of the Bidder/Authorised person & Seal  
Email Address:-  
Mobile No.-



## ANNEXURE-II

### Draft Declaration Proforma

I, Sri/Smt. ....

The Managing Director/Proprietor(etc.) of the Firm.

, ..... (Name of the firm)

At (address).....

P.O... ..

P.S.....Dist.....

do hereby solemnly affirm and declare as follows:

- a. That I am not under conviction of any offence making myself liable to be disqualified to supply of medical equipment/instrument etc. to any Govt. or Govt. undertaking Organization /Institution in the State of West Bengal or other State or States in India.
- b. My Firm has not been blacklisted at present as a whole or for any item/ items as quoted in this tender by any Govt. or Govt. undertaking Organization /Institution in the State of West Bengal or other State or States in India.
- c. That no case is pending against me or against my Firm in any criminal court of law in connection with the supply of Surgical/hospital equipment/Instruments to Govt, or Govt. undertaking Organization / Institution in the State of West Bengal or other State or States in India (If any case is pending, please state the details).
- d. That, I declare that the item or items quoted by me confirms the specification given in the NIT document or higher standard relating to the specification is provided.
- e. The duly authenticated Technical Data Sheet is uploaded conforming to the prescribed standard.
- f. That, I also declare that if any information subsequently found incorrect or false it will automatically render the tender submitted by me cancelled and make me liable for penal/legal action as per law of the country.
- g. That I do further affirm that the statements made by me in this tender are true to the best of my knowledge and belief and all the documents attached are genuine & correct.

Deponent

## **Technical Specifications of ALS Simulation Manikin**

### **(A) Essential Features**

1. It should be a life like adult full body ALS Training Mannequin, integrated with CPR analysis which must be compliant with AHA / ERC 2015 guidelines with correct hand placement, depth, and rate of compressions being captured
2. **Realistic CPR Training**
  - ☐ Should have anatomically correct landmarks for proper hand placement
  - ☐ Should have 3 levels of Adjustable chest stiffness allowing trainees to experience correct force needed to perform Quality CPR on different body builds
3. **Airway Management Training**
  - ☐ The mannequin should have a realistic airway (mouth, oropharynx, larynx, esophagus, vocal cord, trachea) resembling to that of an actual human patient
  - ☐ In tubatable airway designed for teaching intubation techniques with Laryngoscope for Endo- Tracheal Tube, Laryngeal Mask Airway, Guedel airway & and other airway devices
  - ☐ Realistic Head-tilt, Chin-lift manoeuvre
  - ☐ Realistic Jaw-thrust manoeuvre
  - ☐ Airway should open only with correct hyperextension
4. **Realistic Ventilation Training**
  - ☐ Should be able for Bag valve mask ventilation training
  - ☐ Should be able for Mouth-to-Mouth and Mouth-to-Nose ventilation training
  - ☐ Realistic patient resistance allows trainees to experience the correct force needed to deliver Tidal Volume
  - ☐ Visible Chest rise should be with correct ventilations
  - ☐ Unsuccessful ventilation results Gastric insufflation
5. **Defibrillation**
  - ☐ Should have integrated defibrillation site on Apex & Sternum position
  - ☐ Pad connectors for different make & model Defibrillator should be provided
  - ☐ Should absorb defibrillation (up to 360 joules) just like a real patient
  - ☐ Should be able for transcutaneous pacing
  - ☐ Rhythm Conversion Feature allows trainee to run another rhythm immediately after defib discharge
6. **ECG Simulation**
  - ☐ Should have integrated chest lead connectors for placement of ECG electrodes
  - ☐ Option for 3 / 4 Lead ECG monitoring
  - ☐ Should be able to simulate minimum 26 types of ECG rhythm
  - ☐ Simulated rhythm should be palpable at the carotid artery (bilateral)
  - ☐ Should be able to create various artefacts as per user defined
  - ☐ Active rhythm will change to selected rhythm automatically after defibrillation
  - ☐ 12 lead ECG waveform display
7. **Advanced Feedback Mechanism**
  - ☐ Should have integrated mechanical advanced feedback system
  - ☐ The advanced feedback system should indicate the volume of supplied air (in L) and the chest compression depth (in mm).
  - ☐ It should provide instant feedback on compression with wrong hand positioning and gastric insufflation
  - ☐ Outcome should be visible from both foot and head end
  - ☐ It should have integrated flip cover to hide trainee's outcome during examination
8. **Pulse Point**
  - ☐ Should have palpable bilateral carotid pulse (Electric)
  - ☐ The frequency of the carotid pulse tone should be synchronized with the ECG rhythm
  - ☐ Carotid Pulse ON / OFF feature

- ☐ It should have radial pulse, can be simulated by a manual pulse bellow

### 9. Intravenous Training Arm

- ☐ It should be used for the following advanced training:
  - ☐ The insertion of cannulas and catheters
  - ☐ Intravenous injection: Full venous access from dorsal hand to upper arm
  - ☐ Correct puncture of peripheral veins to draw blood sampling
- ☐ It should incorporate Cephalic, Basilica, Antecubital vein and Radial artery
- ☐ It should have radial pulse, that can be simulated by a manual pulse bellow
- ☐ It should have movable wrist and rotating arm ensure a realistic feel
- ☐ It should have indicator panel which represents each blood vessel, gives immediate feedback, e.g. if an infusion has been correctly accomplished
- ☐ It should be equipped with valve system to reduce air pocket inside blood vessels
- ☐ Skin and veins should be made of natural latex, results automatic hole closure after penetration
- ☐ It should be equipped with in built fluid reservoir
- ☐ It should allow smart replacement of the consumables like Skin and veins

### 10. Intraosseous Training Leg

- ☐ It should be used for realistic training of I.O. access procedures
- ☐ Palpable anatomical landmarks including patella, tibia and tibial tuberosity
- ☐ Can be used with all commercially available devices for I.O. infusion & applied using realistic pressure
- ☐ Should allow smart replacement of the consumables like bone, marrow & skin

## (B) Technical Set Up: Control Module

### 1. Connectivity

- ☐ The manikin (Training Module) should create its own wi-fi network area to get connected wirelessly with any type of mobile (iOS or Android), desktop, iPad, laptop (Control Module).
- ☐ The Training Module should be independent of any operating platform and license
- ☐ It can be wired (LAN) or wirelessly controlled
- ☐ It should have Browser-based access and control option

2. **Programmable Training Algorithm:** Create, delete or edit custom algorithms for any of your curriculum needs
3. **Guideline Management:** Create, delete or edit custom guidelines to set new parameter
4. **Scenario-based training:** Individually programmable
5. **Participant Management:** Add or select trainee or instructor name when starting sessions
6. **Sound File Management:** Breathing sound & other basic sounds can be simulated with ease. Option of loading users sound files onto the manikin
7. **Manual event management:** Helps trainee to evaluate performance
8. **Interchange Marker:** During session the control module quickly interchange participants position as per their activity

### 9. Virtual Patient Monitor:

- ☐ Representation of a realistic patient monitor with the following display options: Heart Rate, Blood Pressure, Oxygen Saturation, Capnography and Capnometry
- ☐ Values of patient parameters can be possible to amend during running session

10. User-defined programming of ECG rhythms
11. CPR, Ventilation & ECG Curves should be displayed on screen, giving optimal Information all the time
12. Numerical representation of real time performance feedback on CPR & Ventilation rate

### 13. Debriefing

- ☐ Immediate access to recorded data
- ☐ Evaluation based on Recommended value of each parameter vs. Outcome
- ☐ Generate and export custom reports, covering both the group (up to four participants) and individual performance for more efficient training
- ☐ Save or Print out for convenience
- ☐ It should have at least 8 GB internal storage facility for data backup

14. **Group Session Management:** Parallel display & control of up to 6 manikins

15. Control Module should limit or open the access for Monitoring Module

### (c) Technical Set Up: Monitoring Module

#### 1. Connectivity

- ☐ Easy connection with Training Module with any type of mobile (iOS or Android), desktop, iPad, laptop.
  - ☐ Should be wirelessly connected with
  - ☐ It should have Browser-based access
  - ☐ Minimum 6 monitoring module can be simultaneously connected with the Training Module
2. CPR, Ventilation & ECG Curves should be displayed on screen, giving optimal Information all the time
  3. Changes in vital parameters like SpO<sub>2</sub>, etCO<sub>2</sub> and BP should be visible in real time
  4. User selectable view mode & choice to switch over to other mode
  5. 12 lead ECG waveform display on screen during running session
  6. Numerical representation of real time performance feedback on CPR & Ventilation rate
- A. It should be ISO 13485 certified
- B. Should be provided with 01 years warranty
- C. Should be supplied with following accessories:
- ☐ Full body manikin including IV arm
  - ☐ I.O. leg
  - ☐ Integrated Wireless Technology
  - ☐ Manikin Management Module
  - ☐ Transport box
  - ☐ Adult Resuscitator Bag – 1 No
  - ☐ Supraglottic Airway Device – 3 Nos

All equipment should be USFDA and European CE certified from notified body