Bid Documents including Terms & Conditions of E-tender

For purchase and supply of Mannequins for the Skill Laboratories as per the Minimum Standard Requirements (MSR), prescribed by the National Medical Commission

At Barasat Government Medical College & Hospital, Barasat, North 24 Parganas, Kol-700124

For The Period of 2026-27

Govt. Of West Bengal
Office of the Principal
Barasat Government Medical College & Hospital
Banamalipur, Barasat, North 24 Parganas. Kolkata-700124

Government of West Bengal

Office of the Principal
Barasat Government Medical College & Hospital
Banamalipur, Barasat, North 24 Parganas. Kolkata-700124

Memo No. BGMC/26/ 2403 Date: 05.11.2026

E-Tender Notice for purchase and supply of Mannequins for the Skill Laboratories as per the Minimum Standard Requirements (MSR), prescribed by the National Medical Commission, Barasat Government Medical College & Hospital, Barasat , Kol-700124

(Through Pre –Qualification) (Submission of Bid through NIC e-tender Portal)

The Principal, Barasat Government Medical Collage & Hospital, Barasat, 24-Parganas(N), Kolkata-700124, is going to float e-tender of the Health & Family Welfare Department, Government of West Bengal for obtaining the rate of item as per list form Bonafide Manufacture/ Direct Importer/ Authorized Distributor. Necessary earnest money to be submitted for participation in the Tender is appended in the table below. Exemption of EMD is applicable for agencies having valid, item specific certificate issued by appropriate authority of Govt. Of West Bengal.

Serial No	Name of the item	Requirement	Department
01	**ECG Simulator (advanced)**	**01 Piece**	**Skill Laboratory of Dept. of Anesthesiology & Dept. of Pharmacology & Dept. of gynecology and obstetrics & Dept. of Surgery**
02	**Adult CPR Mannequin**	**01 Piece**	
03	**Pediatric CPR Mannequin**	**01 Piece**	
04	**Skin & Fascia Suturing on silica sheet**	**05 Pieces**	
05	**Breast Examination Model**	**01 Piece**	
06	**Intrauterine contraceptive device insertion model**	**01 Pieces**	
07	**Trauma Mannequin**	**01 Piece**	
08	**Automatic External Defibrillator Trainer**	**01 Piece**	

All bidders must complete their technical demonstration of their quoted item on the specific date (to be notified later) after opening of Technical Bid to the concern Dept.

1. General Instructions:

Intending bidders may download the tender documents free of cost from the website: http://tenders.wb.gov.in directly with the help of Digital Signature Certificate or from the website of the Health & Family Welfare Department at www.wbhealth.gov.in & necessary earnest money may be remitted on-line to the Pooling account of the Government of West Bengal through ICICI Bank.

2. Submission of BIDS:

Both Technical Bid and Financial Bid are to be submitted concurrently duly digitally signed by the Company personnel in the pay roll of the Company (having Authorization from the Company management) in the website http://tenders.wb.gov.in. All papers must be submitted in English language with proper Page Marking.

Deputy Superintendent (N. M.)
Barasat Govt. Medical College & Hospital
Barasat, North 24 Parganas.

Principal
Barasat Govt. Medical College & Hospital
Barasat, North 24 Parganas, West Bengal.

3.Time Schedule for e-tender:

Time schedule for obtaining the bid documents, registration with the tendering authority, the submission of bids and other documents etc. will be as per the list provided

4.Eligibility for Quoting:

Only Manufactures / direct importers / Authorised Distributors having experience in the field are eligible for quoting. The price is to be quoted in Indian rupees including cost of insurance, packing, forwarding, loading & Unloading charges, cleaning charges with installation of the new articles to the stores. The total price should be included with GST and other taxes which to be quoted in the BOQ. Agency commission is not permissible.

5.Submission of Tender:

The Tender is to be submitted in Two Bid System (Technical Bid or BID A & Financial Bid Or BID) B
BID A: Part 1
File containing Technical Bid only- single file with multiply scanned pages containing Statutory and My documents separately.

(a) STATUTORY Cover containing the following documents:
(Single File multiple pages scanned)

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	DOCUMENTS ARE TO BE ATTACHED	PAGE NO
01	Dully filled in CHECK LIST in the prescribed format. Page number of documents must be mentioned in the check list before uploading same .	
02	Application in the prescribed format given in annexure 1	
03	Authorization letter of signatory form Company in Annexure II	
04	Copy of agreement between the manufacturer and Distributor in Annexure III	
05	No convection certificate in the form of an Affidavit as per Annexure IV	
06	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 of the authorized signatory	
			Professional Tax Registration Certificate	
			PUC in respect of manufacturing unit	
			GST registration certificate	
B	Company Details	B.1 Company Details	Certificate of country of origin	
			Trade license in the name of participating firm (valid for FY 2026-2027)	
			Professional Tax registration certificate and up to date fees payment receipt .	
			Certification of Incorporation/ Partnership Dead	
			Power of Attorney in favour of signatory of Bid	
C	Credential	C.1 Credential 1	Manufacturing license with validity	
			Import License with validity (For Importer)	
		C.2 Credential 2	Manufacturer's guarantee (in case of distributers and direct importer to be obtained form manufacturer)	
			A declaration in respect of existence of a fully	

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			equipped service center in North 24 Parganas Or around Kolkata/ West Bengal in respect of the relevant item (with details)	
			List of purchasers in Govt. Institution of repute, for last three years.	
D	Financial Info	Payment Certificate	Income Tax returns submitted documents for last three F.Y. years .	
		Audited P/L & Balance sheet	Audited P/L & Balance sheet documents for last three F.Y. years .	

Bid A: Part II

Technical specification of item (in PDF/Excel format. Must mention Make, Model, Exact features of the offered item against each point in the specification chart) as attached with this bid document as Addendum.

N.B:

Importer filling &/or suppression of facts / false statement will lead to disqualification and penalty in the form of parmanent black listing as per govt. norms.

(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 containing **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, packing forwarding, delivery charges, clearing charges of the new instrument to be purchased with GST and any other applicable tax. L1 bidder will be determined on the basis of cost inclusive of all types of charges. No hard copy of any submitted bid is required to be sent to this office address but if required during verification after opening the bid for comparison, the inviting authority may sought for the said copy. **If any bidder fails to submit the required hard copy of any document sought for after opening the bid (Submitted online along with bid), his bid may be considered cancelled.**

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 **"Bid B"** i.e. financial bid of only those technicaly qualified bidders 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:

Bidders are requested to submit requisite Earnest Money Rs 10000.00 (Ten Thousand only) as per appended table. Registered SSI units participating in Govt. Tenders are eligible for exemptions from payment of earnest money deposit (EMD) under Rules 47(A)(1) and 47(B)(7) of WBFR, vol-1, by producing their MSME Certificate, read with Finance Dept. Notification No. 10500-F Dt.19.11.2004 and its clarification Vide memo. No. 4245(Y) dated 20.05.2013, but their selection would be subject to the selection to the provision of Notification no 6142-(Y) dated 10/10/2017 of the Finance Department, Government of West Bengal.

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.

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EMD should be deposited online in the Pooling Account of Government of West Bengal maintained at ICICI Bank, RN Mukherjee Road Branch, Kolkata in the manner as prescribed in Government Order No. 3975-F(Y) dated 28/07/2016 (Order copy is available at the site www.wbfin.nic.in).

8. Rate:

The price is to be quoted in INR only including cost of insurance, entry tax, packaging, forwarding, delivery charges, clearing charges and installation of the new item with Transportation cost, Insurance, Testing charges, Incidental charges & GST and any other applicable taxes etc.

In case of Tie Bid, selection of L1 bidder will be made following memorandum No. 2320 F(Y) dated 07/06/2022.

9. Order & Supply :

Order for Supply of the approved prodcts will be placed befor the successful tenders after the execution of agreements. The successful tender will have to supply within the specific time I.e. within 15 (fifteen) days form the receiving of the order without any fail.Supply order will be placed from **The Principal , Barasat Medical College & Hospital , North 24 Parganas.** If at any time during the currency of the contract, the contractor / Tenderers encounters hinderinh timely delivery of goods, the same within the time period as mentioned above and its likely duration and make a request to the Tender Inviting Authority for extention of Delivery Schedule accordingly. On reciving the Contractor's / Tender's communication , The Tender Inviting Authority examine the situation as soon as possibile and at its direction , may agree to extend the schedule with OR without liquidated damages OR otherwise.

The tendering authority has the liberty to ask for **performance demonstration** of any item during any stage of the tender process, before placing order for supply. In case of dissatisfaction, the authority will have the right to disapprove the offer of L1 bidder and go for the next bidder.

10. Withdrawal / Cancellation & Purchase Policy of Tendering Authority:

The tendering authority reserves the right to withdraw any item from the tender at any stage. The selection of such item, if already made in favour of any tenderer, shall be treated as cancelled. The tendering authority reserves the right to reject or accept any tender or part thereof at any stage or to split any tender without assigning any reason. Withdrawal of tender or any revision after submission of tender by the tenderer will not be allowed.

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 19.11.2004, 5400-F(Y) dated 25/06/2012 and 3103-F(4) dt 27/07/2022and subsequent relevant orders should be observed in considering the tenders.

11. Important Instruction with regard to Submission of Tender:

The rate should be quoted in Indian Rupees both in words & figure for a particular brand or model (model no. of the offered item only must be mentioned in the appropriate column of the "Tender Form" Alternative offer will not be accepted). The tender shall be cancelled for the quotation of item without its brand name, model no. etc. Detail information regarding the manufacturer and the item quoted in the "Tender Form" should be furnished.

12. Supply article:

The bidder will undertake for supplies of necessary item and will be made available as per work order for at least 02 (two) year on a continuing basis. However, this does not relieve the supplier of any warranty obligation under the contract.

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13. Guarantee/Warranty Period:

I) The item should be covered by free on-site comprehensive Warranty for 02 (two) year after successful delivery. If any fault is found then their rectification should be advised to the College authority.

II) The period must not be more than 01(one) week for such communication from finding of the fault.

III) Any noticed in the functioning after the installation as a result of any design or other feature fault shall be rectified by the supplier free of cost within 72 hours of call log.

14. After Sales Services and Maintenance Contract:

After sales, necessary service must be provided by the supplier as per agreement. Selected vendor will remain liable to attract penalty for violation of mannequins downtime as per agreement. The selected or his authorized servicemen have to attend the mannequins within 72 hours of call log. It is desirable to have a fully equipped service centre in or around Barasat or Kolkata. **Manufacturer must conform to the quality assurance and maintenance FDA / CE certification a must in each items.**

15. 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 fifteen days from the date of placement of order.

IV) In case of distributor, the firm should be direct distributor of manufacturing unit. **Sub distributor authorization by distributor will not be accepted at all.**

16. Penalty Clauses:

PENALTY FOR FORMATION OF CARTEL OR FURNISHING OF FRADULENT / 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. False/misleading/fraudulent documents or made incorrect declarations. The penal measure will be forfeiture of earnest money, forfeiture of Performance Bank Guarantee if enlisted as a supplier in addition to any other legal action against the firm as per govt. norms.

17. Appeal:

Appeal against the decision of The Principal, Barasat Medical College & Hospital, North 24 Parganas, and then to impose such a penalty will lie with Tender Selection Committee. Review against the decision of the Tender Selection Committee (TSC) will lie with Health & F.W. Dept. of the Govt. of West Bengal . The Special Secretary / Secretary / Principal Secretary will be the appellate authority within the Department Of Health & Family Welfare, Government of West Bengal, before imposing any penalty as per clauses 20, 21 and 22 the concerned supplier may appeal to the authority citing the proper reasons for non-imposing the penalty as stated.

18. Agreement:

On a lender being accepted, intimation of acceptance will be forwarded to the tenderer by The Principal, Barasat Government Medical College & Hospital. After communication of the some, the tenderer will have to execute agreement in the prescribed format with the The Principal, Barasat Government Medical College & Hospital, in case any direct purchasing unit wishes to go for separate agreement, the head of the purchasing unit must get written permission to thot eff etc from his controlling authority. This present document and the tender forms filled in by the tenderer or copies thereof in so far so they are not inconsistent with these terms & conditions will be incorporated so port of the agreement. Such agreement will be binding on the tenderer.

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Principal
Barasat Govt. Medical College & Hospital
Barasat, North 24 Parganas, West Bengal.

19. Validity Period Of Agreement:

The contract period will be for a period 01 (one) year from the date of Award Of Contract (AOC) of tender which can be extended for further period/s if Tender Selection Committee feels necessary.

20. Security deposit

i)Retention money towards Security deposit will be deducted from the running account bill & poster prevailing Govt. order. No interest will be paid on Security deposit.

ii)The amount of security deposit will be mandatory for all suppliers and will not be waived in any case.

iii)The security deposit of the successful selected tenderer may be forfeited for failure to supply within specified date and time and/or for supplying unsatisfactory items in quantity and quality.

21. inspection:
Before submitting the tender, the intending tenderers should thoroughly get acquainted themselves with the proposed supply and installation by local inspection of site and take into consideration the site condition and other criterion for effecting smooth supply. No claim whatsoever will be entertained afterwords.

22. Payment Terms:
Payment will be made electronically by Govt. of West Bengal, approved system after execution of due supply and successful installation so ordered, subject to:

i) Submission of Perf romance Bank Guarantee in terms of Clause 20 and subject to penalty clause in terms of Clause 16.

ii) Supply of the items so per specification as provided in the tender documents and the catalogue. Supply of the item must be made within the stipulated period so specified in the work orders.

iii. On being selected, the successful vendors will have to submit one application to the The Principal, Barasat Government Medical College & Hospital, stoting the name of the payee/recipient, Bank account number with IFS code of the payee/recipient for making e-payment. Payment will only be released after satisfactory installation and verification of following items.

a) Supplier's invoice in original three copy.
b) Challan and installation certificate
c) Any other thing of importance on the discretion of College Authorities

23.Date & Information:

Sl No	Item/particular	Dates
1.	Date of uploading of N.I.T. and other documents (online) from this end.	06/11/2026 :02.00pm
2.	Online Documents download start date (online)	06/11/2026 :06.00pm
3.	Bid Submission starting (online)	07/11/2026:10.00am
4.	Bid Submission closing (online)	22/11/2026: 06.00pm
5.	EMD Submission start date	07/11/2026: 10.00am
6.	EMD Submission closing date	22/11/2026 :02.00pm
7.	Bid opening technical bid (online) (Bid:A)	23/11/2026 :10.00am
8.	Date of opening of Financial Proposal (Bid B) (Online)	Will be declared online after Technical Evaluation.
9.	Date of uploading of list of bidders along with the approved rate	Will be declared online after Technical Evaluation

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In the event of any of the above mentioned dates being declared as holiday , the bid shall be opened on the next working day at the scheduled time.

The Principal, Barasat Medical College & Hospital, Barasat , North 24 Parganas reserves the right to change the above schedule in case of any exigencies after up a notice in the departmental website and Notice Board of BGMCH, Barasat.

24. Validity of Tender:

i) The tender will remain valid up to 01 (one) year from the date of Award of Contract (AOC) which can be extended if the Tender Selection Committee fells necessary. Any objection raised by any bidder in this respect will not be entertained.

ii) 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.

iii)Prospective bidders must take training from authorized agencies before submission of their bids

iv) The Tender Selection Committee (TSC) reserves the right to cancel the N.I.T. due to unavoidable circumstances and no claim in this respect will be entertained.

25. No- Conviction Certificate:

No Conviction Certificate in the form of an Affidavit is to be submitted in the prescribed Pro-Forma as Annexure -IV attached herewith form Notary Public / Judicial Magistrate/ Executive Magistrate.

26. Quantity of Articles may be varied (More or Less)

27. Total Tender Value must not exceed ₹ 5 lakh (INR Five Lakh only)

Principal,
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Barasat, North 24 Parganas

Principal
Barasat Govt. Medical College & Hospital
Barasat, North 24 Parganas, West Bengal.

Deputy Superintendent (N. M.)
Barasat Govt. Medical College & Hospital
Barasat, North 24 Parganas.

Memo No. BGMC/26/ 2403 /1(15) Date: 05. 11. 2026

Copy forwarded for information & necessary action to :

1. The Director Of Medical Education, Govt. of West Bengal, Dept. of Health and Family Welfare, Swasthya Bhawan, GN-29, Sector -V, Salt Lake, kol-91
2. The District Magistrate, North 24 Parganas.
3. The Medical Superintendent cum Vice- Principal, Barasat Medical College & Hospital, Barasat, North 24 Parganas
4. The CMOH, North 24 Parganas
5. The Sub Divisional Officer, Barasat , North 24 Parganas
6. The HOD of Concern Department, BGMC, North 24 Parganas
7. The Addl. Medical Superintendent, BGMCH, North 24 Parganas
8. The account Officer, BGMCH, North 24 Parganas
9. The Dy Superintendent, BGMCH, North 24 Parganas
10. The asst. Superintendent, BGMCH, North 24 Parganas
11. All Members of the Purchase Committee, BGMCH, North 24 Parganas
12. IT Cell, Department Of Health & F.W., Swasthya Bhawan with a request to upload this notice in the Health Department website.
13. IT Cell, Barasat Medical College & Hospital for upload the NIT in the website https://barasatgmch.ac.in/
14. Notice Board, BGMCH , North 24 Parganas
15. Office Copy.

Principal,
Barasat Government Medical College & Hospital
Barasat, North 24 Parganas

Principal
Barasat Govt. Medical College & Hospital
Barasat, North 24 Parganas, West Bengal.

Deputy Superintendent (N. M.)
Barasat Govt. Medical College & Hospital
Barasat, North 24 Parganas.

Format for CHECK LIST

(MUST BE PROPERLY FILLED by the Bidder in own official pad)

All points are to be filled up; no places are to be kept vacant.

NOTE: For non-applicability for some documents please mention **"NA"** in the check list.

Must mention Page number in the check list.

Sl. No.	Items	Pl. Mark (If submitted) Yes/No	If Yes, Mention Page No.
1	Application submitted in Annexure I	Yes ☐ No ☐	
2	Annexure II (Authorization letter of signatory from the Company)	Yes ☐ No ☐	
3	Annexure III (Copy of authorization of the distributor from the Company)	Yes ☐ No ☐	
4	Annexure-IV (Copy of Agreement between manufacturer & the importer/authorized distributor)	Yes ☐ No ☐	
5	Annexure-V (Affidavit of non-conviction affirmed before a Notary Public/First Class Judicial Magistrate/Executive Magistrate (affidavit sworn after 01.06.2026))	Yes ☐ No ☐	
6	**Valid Trade License** (clearly mentioned on similar items)	Yes ☐ No ☐	
7	Copy of **PAN Card** of the authorized signatory	Yes ☐ No ☐	
8	Copy of **EMD** or documents in support of **EMD exemption**	Yes ☐ No ☐	
9	**GST Certificate** with GST return up to date	Yes ☐ No ☐	
10	**P. Tax Certificate** along with P. Tax challan up to date	Yes ☐ No ☐	
11	**Full Credentials with Payment Certificate and work order** from Govt Organization within 03 years in similar items	Yes ☐ No ☐	
12	Quality assurance certificate (if applicable)	Yes ☐ No ☐	
13	IT return of Last 03 financial years **[2023-24, 2024-25, 2025-26]**	Yes ☐ No ☐	
14	Audited P/L Account and Balance Sheet in name of firm of Last 03 financial years **[2023-24, 2024-25, 2025-26]**	Yes ☐ No ☐	
15	**Average Turnover** for the FY **2023-24, 2024-25, 2025-26]** (to be attached separately as per **FORM A**)	Yes ☐ No ☐	
16	Bank Details for bidder	Yes ☐ No ☐	

Note:

WITHOUT APPROPRIATE PAGE NO. & SUPPORTIVE DOCUMENTS (AS PER CHECKLIST) THE BID WILL BE TREATED AS CANCELLED.

Deputy Superintendent (N. M.)
Barasat Govt. Medical College & Hospital
Barasat, North 24 Parganas.

Principal
Barasat Govt. Medical College & Hospital
Barasat, North 24 Parganas, West Bengal.

Annexure I

[APPLICATION FORMAT]

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

To
The Principal,
Barasat Government Medical College & Hospital,
Banamalipur , Barasat, Kolkata-700124

Sub: NIT for supply of items for Mannequin of Barasat Government Medical College & Hospital, Barasat, kol- 700124.

Ref: Memo No.: BGMCH/..... dated .....

Sir,

Having examined the pre-qualification & other documents published in the N.I.T., 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 _____ duly authorized to submit the offer. The Authorization letter from the Company is attached in Annexure II.
2. We accept the terms and conditions as laid down in the NIT mentioned above and declare that we shall abide by it throughout the tender period.
3. We are offering rate for the following item/items and assured supply to the Barasat Government Medical College & Hospital, Barasat, Kol- 700124 under Health & Family Welfare Department, Government of West Bengal as per Table (as per Specification).
4. The copy of the authorization letter from the manufacturer is attached in Annexure III.
5. The Copy of Agreement between manufacturer & the importer/authorized distributor is attached in Annexure IV.
6. In the event of being selected, supply will be made within the stipulated period excepting the condition which is beyond our control.
7. We understand that:

(a) Tender Selection Committee/Purchase committee of the BGMCH, Barasat/H & FW Dept can amend the scope & value of the contract bid under this project.

(b) Tender Selection Committee/Purchase committee of the BGMCH, Barasat/H & FW Dept reserves the right to reject any application without assigning any reason.

Date: _____

Contact No.: _____

Tele: _____

Mobile: _____

E-mail Address: _____

.....

Signature of applicant including title and capacity in which application is made

Deputy Superintendent (N. I.)
Barasat Govt. Medical College & Hospital
Barasat, North 24 Parganas.

Principal
Barasat Govt. Medical College & Hospital
Barasat, North 24 Parganas, West Bengal

Annexure II

Authorization Letter from Company for Authorized Signatory who will upload the bid on behalf of the Company Format

(TO WHOM IT MAY CONCERN)

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

This is to certify that **Mr./Mrs.** _____ (Name),

an employee of this Organisation as _____ (Official Designation), is hereby authorized to submit tender online, vide **NIT No.** _____, dated _____, on behalf of the Organisation.

.....

Signature of the Competent Authority with Seal

.....

(Signature of the Authorized Person)

Signature of Mr./Mrs. _____

_____ **is hereby attested.**

Deputy Superintendent (N. M.)
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Principal
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Annexure-III

Copy Of authorization letter of the distributor / Importer from Manufacturer

Principal
Barasat Govt. Medical College & Hospital
Barasat, North 24 Parganas, West Bengal.

Deputy Superintendent (N. M.)
Barasat Govt. Medical College & Hospital
North 24 Parganas.

Annexure -IV

Copy of Agreement between manufacturer & the importer / authorized distributor

Principal
Barasat Govt. Medical College & Hospital
Barasat, North 24 Parganas, West Bengal.

Deputy Superintendent (N. M.)
Barasat Govt. Medical College & Hospital
Barasat, North 24 Parganas.

Annexure–V

Draft Affidavit Proforma for Non-Conviction

I,

Sri/Smt. _____,
MD/Proprietor/Partner of the firm _____ (Name of the firm), having office at
_____, Contact No. _____, E-mail ID _____, do hereby solemnly affirm and declare as follows:

1.

That I have not ever been convicted of any offence making myself liable to be disqualified to supply items to any Government or Government undertaking Organization/Institution in the State of West Bengal or any other State or States.

2.

That no case is pending against me or against my firm in any criminal court of law relating to the supply of items to any Government or Government undertaking Organization/Institution in the State of West Bengal or any other State or States.

(If any case is pending, state the details.)

_____

_____

3.

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 the law of the country.

4.

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 and correct.

.....

Signature of Applicant with Stamp

Principal
Barasat Govt. Medical College & Hospital
Barasat, North 24 Parganas, West Bengal.

Deputy Superintendent (N. M.)
Barasat Govt. Medical College & Hospital
Barasat, North 24 Parganas.

FORM-A

PERFORMANCE STATEMENT

A. Tender reference No.: _____

B. Date of Opening: _____

C. Time: _____

D. Name of the Bidder: _____

E. Full Address with E-mail Id & Mobile No.: _____

Order placed by (Full address of Purchaser)	Order No. & Date	Ordered For	Period of Contract	Value of Order (IN INR)	Was the Contract Performance satisfactory. (Attach documentary evidence)
1	2	3	4	5	6

The documents evidence will be a certificate or a certificate or bill paid by the purchaser/Consignee/end users, preferably with a notarized certificate authenticating the correctness of the information furnished.

Date: _____

Signature & Seal of Bidder

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TECHNICAL SPECIFICATION:

1)ACLS ECG Rhythm Simulator Specifications

It should be a battery-powered ECG rhythm simulator designed to provide basic, modified, and paediatric rhythms with variable pulse rate and strength.
It should have all the necessary rhythms to conduct ACLS course.
Should be able to provide following cardiac rhythms-
Basic RhythmsNormal Sinus Rhythm (NSR)Monomorphic Ventricular Tachycardia Polymorphic Ventricular Tachycardia Ventricular Tachycardia, slow Ventricular Tachycardia, fast Ventricular Fibrillation, coarse Ventricular Fibrillation, fine Asystole
Infant RhythmsNormal Sinus Rhythm (NSR)Sinus Bradycardia Sinus Tachycardia Supraventricular Tachycardia Ventricular Tachycardia Ventricular Fibrillation Asystole
Modified Rhythms Sinus Bradycardia, Sinus Tachycardia Torsade des Pointes Atrial Flutter Atrial Fibrillation Supraventricular Tachycardia1st Degree AV Block4:3 2nd Degree AV Block Type 12:1/3:1 2nd Degree AV Block Type 23rd Degree AV Block Junctional Rhythm Junctional Tachycardias with Unifocal PVCs NSR with Multifocal PVCs Sinus with Coupled PVCs Sinus with PACs (Premature Atrial Complex) Sinus with PJCs (Premature Junctional Complex)
It should also be able to integrate with training mannequins and can also work as stand-alone unit.
It should have features including paroxysmal, ignore shock, and variable pulse strengths.
It should be provided with soft carrying case.
Minimum 5 year warranty.
Annual Maintenance Contract/Comprehensive Maintenance Contract to be done. Operating manual to be provided. The bidder should be able to demonstrate the unit. It should have Quality certificates like CE/ISO.

2) Adult CPR Manikin Specifications

The manikin should fulfil following standards Teaching Goals -
1. Should compile with AHA 2020 recommendations.
2. The manikin should provide feedback on depth and rate of the compressions, chest recoil, interruption time, ventilation volume and chest compression fraction (CCF) and student should be able to view and monitor their own performance.
3. The manikin should be able to provide overall CPR performance score, CPR duration and performance de-briefing. 4. Should show a chest rise on mouth-to-mouth breathing and bag and mask ventilation.
5. Should provide audio-visual user-friendly feedback and also audible compression click.
6. Should allow instructor to monitor multiple students' performance at one time through wireless tablets and smartphones.
7. Wireless instructor feedback software and Wireless student feedback software should be available for free downloads as many times as required.
Anatomy
1. Should be a half body torso manikin with accurate anatomical landmark resembling an adult.
2. Should have nose, eyes, ear canal, articulating mandible to teach the students C-E technique for mask holding.
3. Should allow nose pinch technique for mouth-to-mouth resuscitation.
4. Should have naturally obstructed airway to be cleared only when head tilt/chin lift or jaw thrust is performed.
5. Should have collar bones to identify shoulder allowing to teach tap and shout.
6. Should have nipples, sternal notch, belly button and ribs to teach hand placement for chest compression.
Hygiene -
1. Should have removable face skin and one additional face skin to be provided.
2. Should have one-way non-rebreathing lungs and to be provided with one extra airways.
Technical-
1. Should be portable and light weight
2. Should be able to connect to wireless feedback devices and should support remote BLS training.
3. Each should be supplied with carrying bag and padded training mat.
4. Must have ISO/CE Certificate.

3) Infant CPR Manikin Specifications

The manikin should fulfil following standards
Teaching Goals -
1. Should compile with AHA 2020 recommendations.
2. The manikin should provide feedback on all 5 key points of CPR that is depth and rate of the compressions, chest recoil, interruption time, ventilation volume and chest compression fraction (CCF) and student should be able to view and monitor their own performance.
3. Should show a chest rise on mouth-to-mouth breathing and bag and mask ventilation.
4. The manikin should be able to provide overall CPR performance score, CPR duration and performance de-briefing.
5. Should provide audio-visual user-friendly feedback and also audible compression click.
6. Should allow instructor to monitor multiple students' performance at one time through wireless tablets and smartphones.
7. Wireless instructor feedback software and Wireless student feedback software should be available for free downloads as many times as required.

Anatomy -
1. Should be a full body manikin with accurate anatomical landmark resembling an infant.
2. Should have nose, eyes, ear canal, articulating mandible to teach the students C-E technique for mask holding.
3. Should have naturally obstructed airway to be cleared only when head tilt/chin lift or jaw thrust is performed.
4. Should have collar bones to identify shoulder allowing to teach tap and shout.
5. Should have nipples, sternal notch, belly button and ribs to teach hand placement for chest compression.
6. The monitor should allow foreign body obstruction feature to practice the release of foreign body obstruction through back blows and chest thrusts.
Hygiene -
1. Should have removable face skin and one additional face skin to be provided.
2. Should have one-way non-rebreathing lungs and to be provided with one extra airways.
Technical -
1. Should be portable and light weight
2. Should be able to connect to wireless feedback devices and should support remote BLS training.
3. Each should be supplied with carrying bag and padded training mat.
4. Must have ISO/CE certificate.
5.Operating manual and demo to be provided.
6. Manufacturer must confirm to the international quality certification i.e. ISO/CE must be provided.

4 : Skin and Fascia suturing on Silica sheet (N. M.)

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1. It should be all-in-one suturing training and practice set including Silicone suture Pad, Needle holder, Tooth forceps, Suture cutting scissors, Scalpel Handle, Practice blades, Practice suture with Needle.
2. Realistic 3-layer Silicone Skin Pad-designed to replicate human tissue with 3 Anatomical layers-skin, fat and muscle for authentic surgical training experience.
3. Numerous Pre-cut wounds in various types for practicing interrupted, continuous, Mattress and advanced suturing technique on multiple wound shapes and depths.
4. High-quality Stainless-steel instruments durable, corrosion resistant tools for repeated practice session and long-term reliability.
5. All tools should have neatly organized in a compact storage case.
6. Reusable and tear resistant high density Silicon pad.

5 : Mannequin for Breast Examination

1. It should be compact training model for practical skill development with embedded Benign and Malignant tumours to help students learn palpation techniques.
2. It should have different sizes, positions and textures of tumours to help students learn identification techniques.
3. Designed to exercise mammary tumour palpation skills essential for clinical technique.
4. Allows students to practice distinguishing between Benign and Malignant tumours through touch and examination techniques.
5. It should withstand repeated hands-on examination practice.
6. Should have repair or replacement options if tumours become worn.

6 :IUCD insertion model — specifications

Type: Female pelvic/anatomical model for IUCD insertion
Material: Soft, durable, non-toxic silicone/PVC or similar medical-grade material
Anatomy represented: External genitalia, vagina, cervix and uterine cavity
Uterus: Usually anatomically positioned and palpable through the vagina
Cervix: Has a visible/palpable external os and permits cervical instrumentation
Uterine cavity: Sized to allow introduction and correct placement of an IUCD
Features for training:
Speculum insertion
Cervical visualization
Uterine sounding
IUCD insertion and placement
Demonstration of correct fundal placement
Demonstration of IUCD strings at the cervical os
Compatibility: Should accommodate commonly used Cu-T 380A insertion devices.
Base: Stable base/stand to permit repeated demonstrations.
Reusable: Designed for repeated practice and cleaning/disinfection.

7.Trauma Mannequin:

1. It should be provided with an extensive list of clinical presentations and features that will optimize simulation training scenarios with light sensitive pupils, bodily fluid excretion and life like skin.

2. It should be based on wireless technology for a flexible and mobile configuration, so that it possible to conduct training for the entire rescue chain and allow training to include patient handover and emergency reporting.

3. The system permits multi-media images, lab values, X-rays, CT Scans and image files to be inserted into simulations where it will be displayed on demand from simulation participants on the patient monitor.

4. The simulator can produce and mimic tonic and chronic convulsion or seizures as per simulation facilitator demand or during a scenario automatically

5. It should be an integrated system that allows simulation of bleeding through out the manikin where in the vital signs automatically respond to bleeding and treatment

6. The simulator is capable of controlled and measurable urine output, and it can micturate with or without foley catheterization

7. The simulator is capable of secreting simulated body fluids tears, cerebral spinal fluid, blood, sputum, as physiologically possible, rom the Eyes and Ears, Forehead Diaphoresis.

8. The simulator system could be utilized as a geriatric patient with exact same features and capabilities.

9. The manikin weight, unpacked and ready for use, does not exceed 125 Pounds (40kg), thus

10. permitting easy repositioning by average sized rescuers and learners

Inbuilt Debriefing and Scenario
1. For a naïve participants enrolling into simulation based methodology training the simulator should be able to operate on manual mode where all the features and clinical presentation is under faculty control as it helps to train with rapid cycle deliberate practice mode.
2. For an experienced simulation based participates, the simulator should have physiologically driven auto mode operation which permits the simulation scenario to proceed with limited operator interaction, once the scenario has started, Each scenario in an auto mode is time bound and have interventional triggers for proceeding to next stage, here the simulator react to physiologically correct and incorrect amounts of medication. The auto mode scenarios also prompts the facilitator for greater engagement.
3. The operating system controlling the simulator should have scenario writing and editing tool, which allows instructors or users to specifically configure the simulator, make innumerous scenarios and edit existing scenarios as per the learning requirements of each particular batch or institution.
4. The operating system can control multiple simulators and scenario from a single point.
5. The system also feature a display of status of past, present and future scenario, providing instructors with situational awareness and vitals values trend during a scenario.
6. The simulator debriefing system combines synchronized learner log, patient monitor data, in a single debriefing file without any additional equipment.
7. The operating system can have access to repository of automatic ready made scenarios algorithms on the cloud which can be imported or downloaded along with patient cases, educational support material and scenario script etc.
8. The faculty or the simulation controller should be able to fast forward, pause, rewind, Save/Restore, edit and foresee the future prediction & patient outcome and log Instructor comments any time
C. Airway-

Airway skills/features include: Controllable open/closed airway, automatically or manually controlled
a) Head tilt/Chin lift procedure should be sensed and logged
b) Jaw thrust w/articulated jaw procedure should be sensed and logged
c) Suctioning (Oral and Nasopharyngeal)
d) Bag-mask ventilation
e) Orotracheal intubation
f) Nasotracheal intubation

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g) Use of nasal cannula
h) Combitube placement
i) LMA placement
j) I-gel placement
k) Endotracheal tube intubation
l) Retrograde intubation
m) First grade fiberoptic intubation
n) Transtracheal jet ventilation
o) Light Wand intubation
p) Needle cricothyrotomy
q) Surgical cricothyrotomy
r) It should have variable lung compliance as four independent graded steps.
s) Variable airway resistance is available as four independent graded steps
t) Right main stem intubation should happen when tube is progressed
u) Stomach distention is evident when tube is misplaced.
v) The system should detect proper head position.

w) The system create various grades for airway assessment as per classification
x) The simulator should be able to create difficult airway situation like -
• Cannot intubate/Can ventilate.
• Cannot intubate/Cannot ventilate.
• Tongue edema with 2 levels.
• Pharyngeal swelling with no or reduced vocal cords visibility
• Laryngospasms with no or reduced vocal cords visibility.
• Decreased cervical range of motion is possible.
• Trismus

D. Breathing
a) Spontaneous breathing.
b) Bilateral and unilateral chest rise and fall.
c) Measurable oxygen saturation levels with the same pulse oximeter used on a real patient.
d) CO2 exhalation is possible for etCo2.
e) Auscultation with normal and abnormal breath sounds
• 5 anterior auscultation sites
• 6 posterior auscultation sites
f) it should have controllable breath sound like
• Coarse Crackles
• Fine Crackles
• Pleural Rub
• Wheezes
• Pneumonia
• Gurgling Rhonchi
• Rhonchi
• Stridor
• Absent lung Sound

g) Oxygen saturation and plethysmogram should be displayed on the patient monitor
h) Whenever the participants are using the Bag Valve Mask ventilations during a scenario, the process shall be depicted with an icon on the screen.
i) Bilateral Needle thoracentesis procedure can be done.
j) Unilateral and lobar breath sounds auscultation should be possible
k) Bilateral chest tube insertion should be possible
l) The simulator should demonstrate the cyanosis as and when the oxygen saturation falls.
E. Cardiac
a) The operating system should have an extensive ECG library with rates ranging from 0 to 220 as per the selected rhythm.
b) Heart sounds can be auscultated at 4 anterior locations for aortic, pulmonic, mitral & tricuspid sounds
-Normal ,-Mitral valve prolapse: ,-Stills murmur ,-Early systolic murmur ,-Aortic stenosis ,-Systolic murmur, -VSD , -Gallop ,-Austin Flint murmur ,Diastolic murmur ,-Atrial septal defect, -Continuous murmur, -Friction rub, -OS70 ,-Pulmonary stenosis, -Absent cardiac sound -Holosystolic murmur

c) Its possible to attach a 4 lead ECG machine or with realistic patient monitor.

d) It should be possible for a 12 lead dynamic ECG capture
e) Defibrillation and cardioversion is possible with pads and paddles without any accessories
f) Pacing and capture is also possible with a real defibrillator.

2. Circulation

a) Blood pressure is measurable by automated NIBP Monitor, bilaterally
b) Return to flow blood pressure measurement is also possible.
c) Bilateral Pulse palpation at Carotid, femoral, brachial, radial, dorsalis pedis, popliteal and posterior tibialis pulses and should be synchronized with ECG.
d) Pulse strength should be coupled with blood pressure for realistic palpation.
e) Pulse Palpation are detected and logged in the system.

3. Vascular Access

a) It should have a bilateral pre ported IV access in the cubital fossae,
b) It should have both humerus IO access bilaterally and tibial Intraosseous access
c) it should have bilateral Intramuscular access at deltoid and gluteal regions

4. CPR

a) It should be CPR compliant with latest AHA 2020 Guidelines.
b) CPR compressions should generate palpable pulses.
c) Blood pressure waveform artifacts should be reflected on ECG
d) it should have a realistic depth of CPR compressions as per latest AHA 2020 Guidelines
e) It should be able to provide extensive feedback on CPR Compression as per latest AHA 2020 Guidelines i.e., detection of depth, rate of compression, recoil, hand position, volume and quantity of ventilation & hands off time of CPR compressions.
F. Eyes
a) They should be blinking, slow, normal, fast and work for Trauma and Neurology assessment

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b) It can be positioned as open, closed and partially open as per the scenario

c) Eye movement should not cause unnecessary noises and must be silent.
d) Eye movement can also be electronically controlled causing sensors to enter movement information into
e) an event log.
f) The pupil diameter should automatically respond to light stimulli
g) The pupil response should be both synchronous & asynchronous as required
h) The response from pupil would be able to present as speedy normal or sluggish response.
G. Sounds and Voices
a) The abdomen bowel Sounds should be available via 4 different speakers for wide auscultation.
b) The simulator system shall be able to use prerecorded audio files and/or files created by faculty for live
c) patient assessment and AETCOM Training.
d) The faculty Instructor shall also be able to simulate patient voice and phrases wirelessly via voice over IP (Internet Protocol) technology.
H. Patient Monitor & Clinical accessories -
1. The faculty or instructor can override the connection of the patient monitor sensors using the respective check boxes from the control as required in a simulation
2. The patient monitor is easy to use and completely configurable to use as a 3 wave, 4 wave Big Numbers and shall be able to use the following list of parameters withier values or waveform
ECG(2traces),SpO2,CO2,ABP,CVP,PAP,PCWP,NIBP,TOF,Cardiac output, 12Lead ECG Display, Temperature (core and peripheral), AGT (labelled), awRR, N2O, ICP, O2,pH,Patient Information Display, X-ray, ABG Blood gases Report.

3. Operating system should log time stamped comments to the data log, bookmark important events and capture notes throughout the simulation. Operating system should have straightforward logging capabilities and should allow integrated event log for more effective review, for improved learning outcomes
4. The simulation engine resides in the manikin simulator to assure continued correct response to inputs and continued operation in the event of communication loss
5. One set of following clinical consumables or accessory to be supplied for training

Clinical Consumables Accessories required	Size
Oropharyngeal Airway	(OPA)3
Nasopharyngeal Airway	(NPA)7
ET tube and Laryngoscope blade 4,5,6,	7-8.5
i-gel Airway	4
King LTS-D/LT-D	4
Combitude	37 Fr (small adult)
LMA	4 to 5
Tracheostomy tube	8Fr
Airway suctioning Catheter	Rigid Adult Size
Thoracostomy Needle	22 G
Chest Tube	14-28 Fr
Catheter	22 G
IM Needle	21 G Max
Mask (For ventilation)	Adult Mask 4 to 5+
IO Access Tibial	Big Automatic Intraosseous Device, 15 GEZ-IO, 15 Gx1", OR Jamshidi Illinois Bone Marrow Aspiration/Intraosseous Infusion Needle18 Ga. 9/16"(14mm)-1 ½ (38mm)
IO Access Humeral	
Catheter (male Genitalia)	Foley 14ch and Lofric 16ch
Catheter (female Genitalia)	Foley 16ch and Lofric 6ch
Stethoscope adult	02 Nos
Portable small torch with battery	One

I. Power Supply
a) The simulator manikin should be self-contained with internal electrical and pneumatic power.
b) The simulator system should be able to provide supplemental wired connectivity and power
c) capability with the easily swappable, rechargeable batteries while being in use.
d) The simulator manikin shall be able to operate for 4 hours continuously in the wireless mode
- • External power input voltage 24VDC, 6.25A
- • Internal batteries (two) Each 14.8V, 4.6Ah, Lithium-Ion

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J. Standard supply -
It should be supplied with a full body manikin with articulating legs and arms, Set of clothes like trousers, zip-hoodie, gown, wig, set of male and female genitalia, adhesive wounds kit, external power supply with adapter &Battery chargers, soft carrying cases, blood pressure cuff, blood and fluid refill bottles, IV Bag and luer lock accessories, system information and setup manual, USB headset with microphone, operating system console and with a simulated patient monitor
K. Training and Adoption -
1. The bidder shall arrange in situ face to face and virtual training for faculty development courses to be rolled out while integrating the simulation in the curriculum.
2. It should be instructor-led, hands-on, on-site courses to help instructors or faculty implement best practices in simulation using interactive content.
3. The training courses should range from how to get started, to basic simulation, to advanced use of simulators by providing consultative and custom solutions to help with more specific needs.
4. Orientation of Simulation based education will teach the faculty to learn the basics of patient simulator including start-up and shut down procedures, the operation of the patient simulator, and understand the Simulation Methodology & define learner objectives and roles.
IV. Simulation Training Scenarios

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Barasat Govt. Medical College & Hospital
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• Scenarios allow hands-on practice of rhythm recognition and use of a defibrillator.
• ore scenarios designed to train assessment and management of patients following the latest AHA algorithms
• The scenarios should also include log comments, resulting in an annotated log file being generated during simulation.
• Together with a debriefing guide with suggested debriefing questions and a section with case considerations, the annotated log file will support the instructor in conducting an effective debriefing session.
• 6 test scenarios with 12 case presentations designed for Megacode testing.
• The 6 Megacode test scenarios each includes from 1 to 3 case presentations arranged after ECG development themes. The totalling 12 case presentations are based on the
12 ACLS Megacode Testing Cases in the Advanced Cardiovascular Life Support Instructor Manual based on the2020 latest AHA Guidelines Update for CPR and ECC

O **Product should have CE Conformity & Manufacturer must be ISO 9001 & 13485 Certified.**
L. Bleeding Module Set -
This set was designed to teach the effective management of bleeding control, per ATLS guidelines or military procedure, to prevent possible potential loss of life.
• Bleeding trauma amputation arm and thigh modules
• Tourniquet application
• Training in proximal artery compression
• Bleeding trauma arm and thigh modules
• Application of compressive dressing
• Training in proximal artery compression
• Deep Gauze pack placement
• The thigh module also features palpable chipped and broken bone

Includes: 1 Bleeding Amputation Arm-Upper Right, 1 Bleeding Trauma Arm Left, 1 Bleeding Amputation Thigh Left, 1 Bleeding Trauma Thigh-Right, 4 Reservoir Bags with Tubing, 1 Bottle of Red Simulated Blood, 1 Carry Case and Directions for Use
I. Full body ACLS Adult Manikin Full body Adult model with training suit
• Airway Management head
• Articulating Lower body
• IV Arm
Wireless control system
2x AC Adapter, USB Cable
Artificial Blood and Airway Lubricant
carrying case
User Guide
I

It should be able to provide training in quality chest compression as per latest AHA and ISA protocols, with basic and advanced airway management skills training, vital signs analysis and controlled by an easy-to-use wireless instructor System,
It should include:
AIRWAY
Realistic airway anatomy including cricoid cartilage
• Bag-Valve-Mask (BVM)
• Oropharyngeal and nasopharyngeal Airway
* Supraglottic Airway Devices
*Sellick Manoeuvre
Realistic chest rises and falls during Bag Mask ventilation
• SpO2 and etCO2 settings • Eyes for pupil assessment
• Normal – Dilated – Constricted
• Carotid pulses both sides
• Pulse strengths dependent on BP or set individually
• Heart rate synchronized with ECG
Defibrillation capabilities (25-360j)
• 4 – Lead ECG monitoring
• Synchronized variable rate, rhythm abnormalities and duration
• Pacing – threshold 20 to 200 mA
• Live feedback on Basic life support/ cardiopulmonary. resuscitation parameters
• Detailed information about chest compression, compression rate, and combined graphical display
• cardio-pulmonary resuscitation Performance Summary
• Debriefing Screen notes (logs + vitals) without any extra hardware
• Instructors can log activities and CRM skills during training sessions individually
• Log files for debriefing sessions
• cardio-pulmonary resuscitation log file for detailed debriefing
• Downloading of logs for "after actions" review/debriefing via software
• Software for detailed summary of student performance
•

"Chin lift" & "Jay thrust and "Head tilt" sensors including tongue fall back
CIRCULATION
Automatically generated pulses synchronized with ECG
CPR
Logging
Wireless Instructor Faculty Control
The system shall have the ability to manage the following parameters:
BLOOD PRESSURE/PULSES
• The user shall be able to set the blood pressure level, and to make it gradually change over time.
TEMPERATURE
• The user shall be able to set the temperature level, and to make it gradually change over time. Temperature can be presented in Celsius or Fahrenheit.
• Temperature shall be displayed on the Patient Monitor
PULSE OXIMETRY (SpO2)
• The user shall be able to set the peripheral capillary oxygen saturation level, and to make it gradually change over time.

End Tidal CO2 (etCO2)
• The user shall be able to set the etCO2level, and to make it gradually change over time.

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• etCO2 can be presented in percentage, mmHg or kPa with individual selectable wave forms

SOUNDS

• Vocal sounds: Computer-generated sounds, recorded vocal sounds and real-time voice input

• User generated vocal sounds

Patient Monitor

The training system should also have the ability to work with a simulated Patient Monitor. The patient monitor shall display ECG, SpO2, etCO2, BP, Respiration rate and Temperature controllable via wireless device

Compliance & Certification Checklist

Requirement	Compliance (Yes/No)	Remarks
CE Certification		
ISO 9001 Certified Manufacturer		
ISO 13485 Medical Device Certification		
IEC 60601-1 Electrical Safety Compliance		
GDPR/HIPAA Cloud Compliance		
Compatibility with HL7/LMS Integration		
RoHS Compliance (if applicable)		
Support for SCORM or XML Scenario Format		

8. AED Trainer Specifications

1. The AED Training System must contain an AED Trainer and remote control
2. The AED Trainer must resemble a realistic automated external defibrillator (AED).
3. The AED Trainer must be preprogramed with at least 10 scenarios
4. The AED Trainer must have clear, audible voice prompts
5. The speaker volume must be adjustable with or without the optional remote control
6. The AED Trainer must include a soft carry case
7. The unit must be powered by 6 C-cell batteries contained in a battery case simulating actual AED battery. 12 no of C-cell batteries should be provided along with the AED trainer.
8. The AED Trainer must contain a status display window that can be manually changed by the instructor, On/Off button, Pads connector socket, speaker, Shock button, up/down button, Training pads- 2 adult and 2 child pads with connector compatible with the connection socket.
9. The AED Trainer must contain an LED display indicating selection of volume level and scenario chosen
10. The AED Trainer must simulate the following conditions in preprogramed scenarios and be able manually override them with the remote control
Artifact motion ,Poor pad placement ,Correct pad placement ,Shockable rhythm ,Non-shockable rhythm, Low Battery ,Replace Battery ,Error Condition
11. Minimum 5 year warranty.
12. Annual Maintenance Contract/Comprehensive Maintenance Contract to be done.
13. Carrying case, operating manual and demo to be provided.- Demonstration to be provided ,-Minimum 5year warranty

- Manufacturer must confirm to the international quality certification i.e. ISO/CE must be provided.

Deputy Superintendent (N. M.)
Barasat Govt. Medical College & Hospital
Barasat, North 24 Parganas.

Principal
Barasat Govt. Medical College & Hospital
Barasat, North 24 Parganas, West Bengal.