

CSR-KEMH/EoI/

Expression of Interest.

Subject- To invite Expression of Interest from Original Equipment Manufacturer /Vendor / Distributor to supply of Biphasic Defibrillator- cum – monitor for Dept of CVTS KEM Hospital through MPLAD Fund

King Edward Memorial Hospital is one of the leading tertiary care, public hospitals in the metropolis of Mumbai that provides basic as well as specialized services to needy patients from all over the country. With a glorious legacy of 96 years and currently catering to over 1.8 million out-patients and 85,000 in-patients annually, the institute is among the top ranked medical institutes in India. The CSR Wing of the Social Service Department has been working hard to raise funds to procure advanced medical equipment for various medical and surgical specialty and super specialty departments of KEM, with the objective of providing state of the art facilities to the underprivileged sections of our society.

Through MPLAD funds, we wish to purchase a **Biphasic Defibrillator- cum – monitor, for Dept of CVTS KEM Hospital**. For purchase of the above equipment, it is proposed to invite "Expression of Interest" from Original Equipment Manufacturer /vendors / Distributor, to supply the same to KEM Hospital. To supply **Biphasic Defibrillator- cum – monitor**, Original Equipment Manufacturer /vendors / Distributor should purchase a form, from Poor Box Charity Fund, KEM Hospital from 10/01/24 to 19/01/24 in working hours and all proposals with the required documents should be submitted on or before 19/01/24 (by 1.00 pm) in the Department of CVTS, CVTC Building, ground floor KEM Hospital, Parel, Mumbai 400012. With Two packet System (i.e. Packet A is a Administrative & Technical Documents & Packet B is a commercial) do not disclosed the price other than commercial packet. The packet will be open in front of Heart Transplant Committee as per schedule decided by committee.

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**King Edward VII Memorial Hospital,
CSR Wing, Social Service Department,
Parel, Mumbai 400012**

Specifications For Biphasic Defibrillator- cum - monitor Dept Of CVTS Kem Hospital

Name of Equipment	Description
Specification of Equipment	<u>Biphasic Defibrillator- cum - monitor</u> Attached to Annexure II

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**King Edward VII Memorial Hospital,
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Parel, Mumbai 400012**

General Conditions :

Warranty period	Comprehensive warranty on equipment and all spares shall be three years. Inclusion and exclusion of Warranty documents should be clearly stipulated.
CMC	<u>Comprehensive Maintenance Contract (CMC)</u> 1) After the warranty period of 3 years is over, five years Comprehensive Maintenance Contract (CMC) will have to be entered into with the terms and conditions mentioned in the documents as per BMC norms. List of spare parts / consumables will be submit by supplier with cost freeze in advance for the warranty and CMC period. 2) The successful supplier must ensure that all the required spares/consumables and services are available during warranty and CMC period and 2 years after that, duly backed by the principal.
<u>Delivery & Installation Period</u>	1) Supplier should give free delivery at user department of KEM Hospital within 30 days or as soon as possible from the date of receipt of purchase order. 2) Installation and commissioning of equipment shall be done within 7 days from the delivery of the equipment.

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**GENERAL
REQUIRE
MENTS:**

- 1) Price should include GST charges & any other charges (Supplier needs to submit basic cost of equipment and GST rate in prescribed format).
- 2) The above equipment shall be new and manufactured from virgin materials.
- 3) It is mandatory to provide free installation & training for use of equipment.
- 4) The equipment should have warranty of three years as described in the terms and condition document. The warranty and CMC shall cover the list of spare parts and the rate of which shall be valid for total 8 years (warranty 3 years and CMC 5 years) irrespective of whether those are treated as consumables or otherwise.
- 5) After the warranty period is over, five years Comprehensive Maintenance contract (CMC) will have to entered into with the terms and conditions mentioned in the documents as per BMC norms. List of spare parts / consumables will be submitted by supplier with cost freeze in advance for the warranty and CMC period
- 6) It should be European CE certified along with declaration of conformity or USFDA approved.
- 7) 3 years comprehensive warranty followed by 5 years comprehensive maintenance contract.
- 8) Demonstration of quoted model is compulsory and to be given at an end user site.
- 9) User list with address and phone number to be provided
- 10) The Successful supplier must ensure that all the required spares/consumables and services are available during warranty and CMC period.
- 11) All the requirements of this supply shall be sourced from the original equipment manufacture of the model quoted
- 12) Power supply: 230 V, 50 Hz. The main supply voltage variation may be maximum 15% and frequency variation maximum 3%.

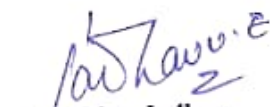
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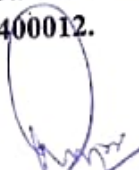
**King Edward VII Memorial Hospital,
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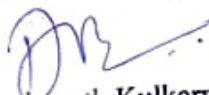
- 13) The equipment shall have valid CE mark / US FDA approved and documentary evidence to that effect needs to be submitted.
- 14) Training to Medical Electronics Cell Engineers from servicing point of view and to user department from operating point of view is compulsory.
- 15) Supplier should submit all technical details in the form of technical brochures / leaflets for all the equipment proposed for supply and mentioned in the technical offer.

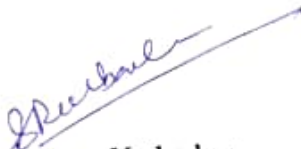
The supplier should be submit documents mention in chek list attached herewith.

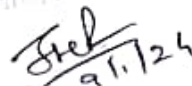
If any doubts or any query about above mentioned work, you can contact Heart Transplant Committee / Dept of CVTS, KEM Hospital, Parel, Mumbai - 400012.


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**King Edward VII Memorial Hospital,
Department of cardiovascular and Thoracic
surgery, Parel, Mumbai 400012**

Check list of Documents to be submitted as per the order given below.

Sr No	Administrative Documents	Sr. No.	Technical Documents
1	Authorization Certificate	1	Technical Offer
2	Undertaking about CMC for 5 year after 3 year warranty period is over will be follows as per BMC norms	2	List of Consumables (Applicable in Warranty & CMC Period)
3	Signed copy of Terms & Condition of EOI Document	3	Comparison of EOI specification v/s Quoted equipment specification
4	Firm/Company/ Sanstha Registration Certificates	4	Experience Certificate
5	Partnership deed (If applicable)	5	Past Performance Certificate of Quoted Equipment.
6	Pan Card with Photograph.(Only for Indian Bidder)	6	Copy of valid CE certificate OR copy of valid USFDA approval as mentioned in General Conditions (Technical specifications).
7	GST Registration Certificate as applicable	7	Technical brochure of quoted model
8	Import / Export license issued by competent authority(if applicable)	8	List of Spare Parts (Applicable in Warranty & CMC Period)
9	Power of Attorney to sign the tender		
10	Special Annexure for GST		
11			
12			
13			
14			

**Authorized Signature of the Bidder
with Official Seal & Address**

SPECIFICATIONS OF BIPLHASIC DEFIBRILLATOR – CUM – MONITOR

1. Defibrillator Biphasic :

- i) Light weight portable defibrillator-cum-monitor alongwith Automatic Defibrillator.
- ii) Defibrillator wave form biphasic
- iii) Quick start at power on
- iv) Mode selects synchronous/async indicated on monitor and recorder
- v) Adult & Paediatric paddle with charge and discharge control on paddles and machine (Internal & External Both)
- vi) Energy selection on machine adjustable – in steps from 5 to minimum 360Js
- vii) Charge indicator – audio visual
- viii) Charge time fast – (less than 15 seconds)
- ix) Automatic internal discharge of charge on paddle when unit is turned off
- x) Display for energy selected
- xi) Build-in test charging facility shall be available at any energy level (5-200J)
- xii) Built-in printer with manual and auto made.
- xiii) Should work on AC/DC should have internal battery
- xiv) Fully charged battery should give minimum 20 shocks of maximum selected energy
- xv) Log of important events and summary of vital signs and wave forms
- xvi) The unit shall perform self test or auto test at start up.
- xvii) System should work without support of UPS
- xviii) Non invasive pacing

2. Montor :

- i) Non-fade moving trace with 2.5mm/sec sweep speed
- ii) Min. 5 inch matrix display with active TFT or LCD
- iii) ECG 3/5 Lead select when used with patient cable
- iv) Heart rate indicator : 20-300 bpm
- v) ECG freeze time : 4 sec. minimum
- vi) ECG amplitude size can be adjusted from 0.5 to 4cm/mv
- vii) ECG should be available through paddle with synchronization
- viii) Alarm setting – upper limit 100 to 250bpm
- ix) High and low alarm with indicator and adjustable beeper
- x) Audio/visual indications for leads off. Paddles faulty .recorder faulty, low battery, battery charge. High/low heart rate, R-wave detection
- xi) Protective circuit against : 1 Defibrillator discharge. 2. Surgical diathermy.
- xii) Self diagnostic facility available.
- xiii) Reset time after discharge < 4 sec.
- xiv) CPR Measurement and Feedback

3. Power supply

- i) Unit shall be battery as well as mains operated.
- ii) Built-in battery charger – built- in to operate in mains.
- iii) Battery back-up minimum up to 2 hrs for monitoring of minimum 20 discharges.

- (7)
- iv) Power supply : 230 V \pm 15%, 50 Hz \pm 3% with built-in battery and charger.
 - v) Batteries as medical grade maintenance free and charging on device operation.
 - vi) Alarm indicator – low battery and battery charging.
 - vii)

4. Accessories: (For one Machine)

- i) ECG cable with 3 and 5 lead – 2 nos. each (total four)
- ii) Disposable ECG electrodes 200 pieces.
- iii) Grounding cable with power cord (1 each)
- iv) Printing paper roll (4 nos.)
- v) Internal defibrillator paddle adult-2, pediatric 2, neonatal

5. Three years comprehensive warranty and should provide 5 years CMC & technical support & required spares and consumable for 8 years after warranty period is over duly supported by principal.

6. It should have International standard / safety requirement CE marked or US FDA approved.

7. Users list with addresses and contact number to be provided..

8. Demonstration compulsory and training to MEC Engineers shall be provided.

9. All standard accessories.

10 Operating and detailed service manual / circuit diagram should be supplied.

11. Tropicalization :Operating room temp : up to 40° C

up to 60° C

up to 90% non-condensing

M. Shaw

J. Khandekar

DR. JAYANT V. KHANDEKAR
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M.

30.12.23

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