



TENDER NOTIFICATION
(Through e-procurement portal only)

The Director, NIMHANS invites tender from eligible tenderers through the Karnataka Government E-Procurement portal for supply of following equipment.

Sl. No.	Name of the Item	Quantity (in Nos.)	EMD (in ₹)
1.	Multiparametric ICU Monitor	16	1,44,000/-

Tender Schedule

Downloading of Tender documents from website - https://eproc.karnataka.gov.in/eportal/index.seam	From 11.02.2021 Onwards
Last date for tender enquiry	18.02.2021 upto 11:00 AM
Tender submission last date and time	15.03.2021 upto 11:00 AM
Technical bid will be opened online by the authorized officer on	16.03.2021 at 11:00 AM

Sd/-, Director

TENDER DOCUMENT

Terms and conditions

- The bid documents for the above items should be addressed to “The Director, National Institute of Mental Health & Neuro Sciences, Post Box No. 2900, Hosur Road, Bengaluru – 560 029, Karnataka, India” and should be uploaded in E Procurement portal only on or before the due date.
- The tender bid should be valid for **120 days** from the due date (Tender submission last date). **NIMHANS, Bengaluru will not take any responsibility for any technical issues.**
- Earnest Money Deposit (EMD) / Bid Security Declaration:**
 - The (EMD) shall be denominated in Indian Rupees and should be paid in the e-procurement portal as per the facility provided.
 - The EMD shall not bear any interest and will be refunded to
 - successful tenderer on receipt of Agreement and Bank Guarantee.
 - unsuccessful tenderer upon finalization of tender bid and award of tender to successful bidder.
 - all the tenderers if the tendered item is cancelled or retendered.

OR

In case of claiming EMD exemption:

- Bid Security Declaration (in company letter head as per annexure A) shall be uploaded by selecting MSME/NSIC option
- In case of MSME / NSIC registered vendors, Bid Security Declaration (in company letter head as per annexure A) along with valid MSME / NSIC registration certificate shall be uploaded by selecting MSME / NSIC option.



4. The tender documents and all correspondence's relating to the bid should be in **English language only**.
5. **Technical bid should comprise of (uploaded copy of documents should be self attested, stamped and better quality – preferably .pdf format) -**
 - a. Brochure/Catalogue and Data sheet of the equipment.
 - b. Technical Compliance Statement
 - c. Proprietary certificate from the manufacturer mentioning the unique technology or feature/s mentioned apart from the brand name (If applicable).
 - d. Pre requirements required at the installation site (Before submitting the bid, the tenderer should make pre-visit to the installation site and indicate the requirement along with the price bid wherever necessary)
 - e. Delivery Period of the item to be supplied and Time required for installation (Technical & Mechanical) from the date of purchase order has to be indicated.
 - f. List of Institutes where the equipment has been supplied with copy of purchase orders.
 - g. Copy of GST, PAN, TIN document
 - h. Whether tenderer is manufacturer / accredited agent / sole representative, indicate details of principal's name & address. The offers of tenderer who are not manufacturer or direct authorized agent will be summarily rejected. Sub- distributors will not be accepted.
 - i. Non - blacklisting certification that the firm has not been blacklisted in the past by any government/Private institution and certification for No Vigilance/CBI case pending against the firm/supplier by making an affidavit on non – judicial stamp paper of `100/-.
 - j. Declaration towards acceptance of all terms and conditions should also be provided.
6. **Financial Bid should comprise of-**
 - a. **Quotation should be only for DAP in INR only i.e. NIMHANS Door Delivery Price** inclusive of main equipment cost, each article wise/spares rates, taxes, other Government levies, Customs duty, any local agency commission, transportation, delivery of the equipment to the Institute premises, installation and commissioning etc. with a detailed break up mentioning manufacturers name, License number and name of the brand/make. Tender bids without price bid/quotation will be rejected.
Detailed breakup of the cost should be provided under icon “Action column” by clicking the % symbol which will be mentioned as Added statutory components.
 - b. The tenderer should also provide the quote for regular servicing/maintenance duly mentioning the number of visits per annum for the AMC & CMC period after the warranty period is over. **AMC & CMC should be quoted in INR only under Action column in E procurement portal.**
 - i. If the tenderer is quoting in Indian Rupees (INR) for items NOT MANUFACTURING IN INDIA (NMIC), the CUSTOM DUTY EXEMPTION CERTIFICATE WILL NOT BE ISSUED BY THE INSTITUTE. The Rate quoted should be inclusive of Custom duty & other incidental charges.



7. Successful tenderer decision will be made on the basis of total cost of the equipment (Inclusive of all miscellaneous charges as mentioned in Clause 6a).
8. The cost of the “Multiparametric ICU Monitor” will be frozen for 2 Years from the date of purchase order; however Institute reserves the right to procure/reject the purchase of equipment with the successful tenderer on repeat order basis within 2 Years from the date of purchase order.
9. The tender bids (technical and price bid) should be typewritten; every correction in the tender should be initialed along with seal by the tenderer, failing which the tender will be rejected. All pages of the bid submitted must be signed along with seal and sequentially numbered by the tenderer.
10. **Evaluation of Bids:-**

The technical bid of the tenderer will be evaluated to determine whether

 - a. They are complete with respect to specifications.
 - b. They are free from computational errors.
 - c. The requisite documents have been submitted and properly signed.
11. **Tender Opening:**
 - a. The Technical bids will be unlocked through E procurement portal in the Committee Room, Adjacent to Registrar Chamber, NIMHANS, Bengaluru on the date specified in presence of tenderers or their representatives who choose to attend.

The Tenderers' or representatives who are present shall submit authorization letter along with copy of Photo id proof and shall sign a register evidencing their attendance.
 - b. The Financial bid of the technically qualified tenderer/s only will be opened on a notified date.
12. Equipment and its accessories should be covered with **minimum warranty period of 5 years** for normal or regular wear & tear from the date of complete installation (Ready to use in all respects). In case of software's, the validity of the license key should be clearly mentioned and should have user define provision with option to switch over from one system to other system of the same kind within the validity period.
13. **Software Updates:**

The selected firm for the supply of tendered item should provide free updates of software up to 5 years from the date of mechanical installation.
14. Supply of spares should be guaranteed for a minimum period of 10 years from the date of supply or from the date of cessation of production of the model for 10 years, whichever is later, at the rates prevailing against payment.
15. Any modification or revision of bids after submission will not be entertained under any circumstances. Conditions such as “subject to the availability of stocks”, supplies will be made as and when supplies received from the principles etc., will not be considered under any circumstances.



16. A tenderer having once given a tender bid shall not withdraw it after its acceptance / opening and if does, the tenderer will be disqualified from bidding for any contract for a period of **two years from the date of notification.**
17. If required, the tenderer should demonstrate the quoted model of the equipment at the institute during the technical evaluation, failing which their bid/offer shall be rejected. The tenderer will be intimated that they should get ready for demonstration. No request for extending time for demonstration will be entertained. Failure to demonstrate, their offer will be rejected.
18. The tenderer should supply the circuit diagram and instruction manual of the tendered equipment/s at the time of supply of the equipment.
19. **Necessary training / instructions on operation of the system should be given by the qualified engineers of the tenderer firm to NIMHANS technical staff/s at free of cost after completion of the installation.**
20. The successful tenderer should immediately submit an acceptance letter duly signed and sealed for the rate/s and offers agreed by both the parties to the Head of the Institution within reasonable time on receipt of the Purchase Order (Agreement Specimen will be enclosed with Purchase order & Stamp duty to be paid by the tenderer). The successful tenderer should also furnish a Bank guarantee only from a Nationalized bank to the extent of 3% of the total purchase order value, valid for 60 days beyond the completion of the warranty period of the equipment, no split period bank guarantee will be entertained.
21. **Payment terms:**
Payment will be made only after good working condition of the equipment certified by the end user. **NO ADVANCE PAYMENT WILL BE ENTERTAINED.**
22. **Uptime Guarantee:**
Penalty Clause for non-functioning of equipment in term of hardship to the patients and financial loss to institute: 95% up time of 365 days (24 hours a day) that is from the day of successful handing over of the whole complex. The company takes the responsibility for the functioning of all the components and equipment, including the third party items supplied and included in the project. The total downtime annually for any reason/involvement of any of the components cannot exceed 5% (all inclusive). Subsequently if downtime exceeds 5% of 365 days, 1% of PO Value will be levied as penalty for every 24 hours of downtime until 7 days from the day of breakdown. If downtime exceeds 7 days the penalty will be 2% of PO Value from the date on which the equipment broke down beyond 5% permissible downtime. In addition to this, warranty period will be extended at double the rate of the downtime period.
23. If, at any time, during the said period, the supplier reduce the said prices of such Materials/Equipment or sales such Materials/Equipment to any other person/organization/ Institution at a price lower than the chargeable, the company shall forthwith notify such reduction or sale to the Director, NIMHANS and the price payable for the Materials supplied after the date of coming into force of such reduction or sale shall stand correspondingly reduced.
24. The losses to NIMHANS, Bengaluru, if any incurred on account of purchase made elsewhere by failure, neglect or refusal on the part of the tenderer to supply according to the terms of



agreement will be recovered from them. If any article or things supplied by the tenderer have been partially or wholly used or consumed in the hospital and they are subsequently found to be in bad condition, unsound, inferior in quality or description, not in accordance with samples or otherwise faulty or unit for use, the wholesome of the contract price or price of such articles or things will be recovered from the tenderer. The tenderer will not be entitled for any payment whatsoever, for such articles for infringements of the stipulation of the conditions or for justifiable reasons the contract may be terminated by the Director and the tenderer shall be liable for losses sustained by the NIMHANS on the consequences of the termination which may be recovered from the Bank Guarantee or from their invoices due to them. In the event of such amount being insufficient, the balance will be recovered personally from the tenderer.

25. Any corrections/changes in the tender will be uploaded as corrigendum in the NIMHANS and E procurement website only.
26. If the tender last/opening date falls on any general/government/institute holiday(s), then the successive dates will be postponed by equivalent days of holiday(s), however the time remains unchanged.
27. The Director reserves the right of ordering/not ordering/cancelling/increase or decrease the quantity and to reject any or all tender quotations without assigning any reason. The decision of the Director, NIMHANS, Bengaluru, shall be final in all the controversies that may arise in the matter. Any dispute arising out of this will be subject to the jurisdiction of the Court in Bengaluru.
28. Failure to adhere any of the above terms and conditions the bid(s) may be rejected.
29. None of the terms and conditions of the supplier shall be applicable to the purchase contemplated hereunder, irrespective of it being attached to any documents to be provided to NIMHANS. Such exercise shall have no meaning and binding effect unless the same is accepted by NIMHANS in writing.

NOTE: Please keep checking the NIMHANS and E-Procurement websites regularly for any further updates.

Sd/-, Director



DECLARATION
(TO BE GIVEN BY THE TENDERER)

Name of the Item : Multiparametric ICU Monitor – 16 nos.

Name of the company :

To

The Director,
National Institute of Mental Health & Neurosciences
(Institute of National Importance)
Post Box No. 2900,
Hosur Road, Bengaluru – 560 029

Dear Sir,

1. I/We hereby submit my/our tender for the
2. I/We have made requisite payment against **EMD / Bid Security Declaration** as per the tender document vide reference No. & date, else my tender bid may be rejected.
3. I/We have gone through all terms and conditions of the tender documents before submitting the same.
4. I/We hereby agree to all the terms and conditions, stipulated by the NIMHANS, in this connection including delivery, warranty, penalty etc. Quotations for each group are being submitted and shall be considered on their face value.
5. I/We undertake to sign the contract/agreement, if required, within reasonable time from the date of issue of the letter of acceptance, failing which our/my security money deposited may be forfeited and our/my name may be removed from the list of suppliers at the NIMHANS, Bengaluru.

NOTE: ALL TERMS & CONDITIONS SUCH AS TAXES/LEVIES ETC, HAS BEEN INDICATED IN THE QUOTATIONS FAILING WHICH IT WILL BE PRESUMED THAT THE RATES ARE INCLUSIVE OF ALL TAXES/LEVIES AND OTHER TERMS AND CONDITIONS ARE ALSO AS PER YOUR REQUIREMENTS.

Yours faithfully,

Signature of Tenderer & seal



CHECK LIST
(TO BE FILLED BY THE TENDERER)

1	Name & Address of the Tenderer		
2	Name & Address of the Manufacturer		
3	Name of the Equipment & Model Quoted	Multiparametric ICU Monitor – 16 nos.	
4	Validity of the Quotation	120 days from the tender submission last date	
5	a. Delivery Period b. Warranty Period c. Installation Period	5 years	
6	Tender Bid details (Yes or No against each item)	a. Application Fee submitted	
		b. EMD submitted	
		c. Brochure/Catalogue uploaded	
		d. Technical Compliance Statement	
		e. Manufacturer Proprietary certificate uploaded	
		f. Pre requirements details uploaded	
		g. List of users uploaded	
		h. Copy of GST/PAN/TIN & Bank details uploaded	
		i. Distributor authorization letter uploaded	
		j. Non-blacklisting certification uploaded	
		k. Declaration enclosed	
		l. Equipment Door delivery cost quoted	
		m. AMC & CMC cost for 5 years post warranty period	
7	Training will be provided (Yes or No)		
8	a. Whether after sales, service is available in Bengaluru? If yes, quote the details		
	b. What is the arrangement for post contract / warranty monitoring of the equipment?		
9	Any Other Information (Enclose separately in letter head – Yes or No)		

Signature of Tenderer along with seal

ANNEXURE A

BID SECURITY DECLARATION FORM

Tender No. NIMHANS/2020-21/IND661/CALL-2 Dated 11.02.2021

To,

**The Director
National Institute of Mental Health & Neuro Sciences
Post Bag No. 2900
Hosur Road, Bengaluru - 560 029**

Sir / Madam,

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, bids must be supported by a Bid Security Declaration.
2. I/We accept that I/We may be disqualified from bidding for any contract with you for a period of **two year from the date of notification** if I am / We are in a breach of any obligation under the bid conditions, because I/We
 - i. have withdrawn/modified/amended, impairs or derogates from the tender, my/our Bid during the period of bid validity specified in the form of Bid; or
 - ii. having been notified of the acceptance of our Bid by the purchaser during the period of bid validity
 - a. Fail or reuse to execute the contract, if required or
 - b. Fail or refuse to furnish the Performance Security, in accordance with the Instructions to Bidders.
3. I/We understand this Bid Security Declaration shall cease to be valid if I am/we are not the successful Bidder, upon the earlier of
 - i. Completion of tender process; or
 - ii. Thirty days after the expiration of the tender validity.

**Signature of Tenderer along with seal
(to be signed by all partners, in case of joint venture)**

(Note: In case of a Joint Venture, the Bid Security Declaration must be in the name of all partners to the Joint Venture that submits the bid and to be signed by all partners)



NATIONAL INSTITUTE OF MENTAL HEALTH AND NEURO SCIENCES
(Institute of National Importance), Bengaluru- 560 029

राष्ट्रीय मानसिक स्वास्थ्य और तंत्रिका विज्ञान संस्थान, (राष्ट्रीय महत्व संस्थान), बेंगलूरु - 560 029
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PURCHASE SECTION

TENDER FOR THE SUPPLY OF “Multiparametric ICU Monitor”

Department	Neuroanaesthesia & Neurocritical Care	Quantity Required	16 Nos.
End User Contact Details			
Name	Dr. M. Radhakrishnan		
Designation	Professor & Head		
Mobile No.	+91- 9632589296	EMD	₹ 1,44,000/-
Office No.	+91-80-2699 5415 / 5830		
Email	mrks1974@gmail.com / anaesth@nimhans.ac.in		

SPECIFICATIONS

Specifications for Multiparametric ICU Monitor:-

1. Operational requirements

- Should be modular.
- Should be suitable for adults, children and neonates.
- Should be able to monitor 5 lead ECG, spO₂, non-invasive blood pressure, respiratory rate, invasive pressures, processed EEG, capnogram, cardiac output, anaesthetic gases, neuromuscular junction, raw EEG, and temperature. The monitors must be supplied with essential accessories to make the system complete.

2. Technical specifications

[i] Basic Module (for all 16 monitors)

[A] ECG

- 3/5/12 leads with ST segment analysis
- shall be able to perform (automatic and manual) and display true diagnostic quality ECG analysis at the bedside with complete measurement and interpretation



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- (iii) shall be able to perform/review continuous on-line ST analysis
- (iv) Ability to perform real time QT analysis at the bedside preferred
- (v) should be able to perform multi-lead (up to 4) arrhythmia analysis at the bedside
- (vi) should be able to detect, raise alarm and review lethal arrhythmias
- (vii) should measure respiratory rate from 3 leads

[B] Non-invasive blood pressure (BP)

(i) should be able to measure BP in neonates, infants, children, adults and obese patients with appropriate cuffs and work on the principles of oscillometric method.

- (ii) adjustable time intervals for repeated measurements with stat function
- (iii) venous stasis option must be available
- (iv) should measure systolic, diastolic and mean BP
- (v) should have both manual and automatic functions for measuring BP

[C] pulse oximeter (spO₂)

- (i) should be able to measure and continuously display spO₂
- (ii) the probe should be appropriate for all age groups
- (iii) the probe should be of rubber type, stickers for infants
- (iv) should display pulse strength/perfusion index, heart rate

[E] Invasive pressures

- (i) shall have colour coding for different pressure waveforms
- (ii) should have continuous measurement and display of systolic BP, diastolic BP, mean BP, heart rate,
- (iii) systolic pressure variation and pulse pressure variation, cursor function, freeze function preferable

[F] Temperature

- (i) Two channels and with two units (⁰ C and ⁰ F)



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PURCHASE SECTION

(ii) selectable Temp. Range – 0- 50 Deg C.

[G] Respiration

- (i) RR range 1-150 bpm,
- (ii) Sourced through ECG or CO₂. Option to select must be provided
- (iii) Apnea alarms should be provided.

Consumables (for each monitor)

- (i) ECG
 - (a) interface cables with lead – 4nos
- (ii) temperature
 - (a) probes/sensor cables: adult-3nos, pediatric – 3nos, skin temperature probes – 2nos
 - (b) Temperature interface cables: 2 nos
- (iii) spO₂
 - (a) probes/sensors: reusable, adult-5nos, pediatric-2nos, wrap/sticker sensors -3 nos
 - (b) Interface cables: 4nos
- (iv) BP cuff
 - (a) adult (25-35cms) – 6nos
 - (b) child (18-26cms)- 3nos
 - (c) neonate – 1no
 - (d) large cuff- 2nos
- (v) Invasive monitoring:
 - (a) reusable transducer cables – 2.
 - (b) Interface cable – 2
 - (c) Holder - 1

[ii] Additional Modules (required numbers specified under each category)

Note: If racks/module cables are required to accommodate additional modules, 4 racks/module cables must be provided

[H] BIS module - 2 nos



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- must display BIS value, SQI, EMG, impedance check
- must display raw EEG waveform.
- 3 reusable interface cables
- 50 sensors (sensors must have a minimum shelf life of 12 months from the time of installation)

[I] Neuromuscular junction monitor module - 1no

- must work on the principles of electromyography/acceleromyography
- 2 reusable interface cables

[J] EEG module- 2 nos

- should have the facility for minimum 4 channels
- Raw EEG waveforms must be displayed
- Numerical display must include amplitude, frequency, power
- Display of CSA, DSA preferable
- 3 reusable interface cables and 25 electrodes (cup/sticker)

[K] Cardiac output module (minimally invasive, pulse contour based technology)- 1no

- must perform continuous cardiac output monitoring,
- should display, SV, CO, SVR, SVV
- sensors/ catheters: 25nos, interface cables: 2nos and other accessories as necessary.

[L] Gas monitoring module – 1 no.

- Automatic identification and measurement of inspiratory and expiratory level of anaesthetic agents, $F_{I}O_2$, $F_{E}O_2$, E_tCO_2 , F_1CO_2 , F_1N_2O , $F_E N_2O$ and MAC value.
- sidestream technology (mainstream preferable)
- For side stream, should be accompanied by 25 sample line tubings, 25 water traps/equivalent

[M] Capnometry module – 3 nos

- Automatic identification and measurement of inspiratory and expiratory CO_2 (in mmHg), respiratory rate
- sidestream technology (mainstream preferable)
- For side stream, each module should be accompanied by 25 sample line tubings, 25 water traps/equivalent



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- software for volumetric capnometry preferable.

[iii] Display and monitor

- (i) standard display: 8 waveforms, upgradable to 12 waveforms, and minimum 10 parameter numeric boxes on single display
- (ii) able to support independently configurable secondary display
- (iii) capability to connect to keyboard, mouse
- (iv) minimum 15" medical grade high resolution multi-colored TFT/ LCD/LED flat screen. Touch screen option preferred
- (v) preferably a combination of single control knob and active hot keys
- (vii) Facility to take and store snap shot (manual / automatic during high priority alarms) for waveform review at a later stage.
- (viii) should have audio and visual alarms with alarm light on display
- (ix) should have keys for quick access to main functions
- (x) should be able to set alarm limits independently for all the measured parameters using single function

3. System configuration, accessories, software, spares, installation

- (i) Monitor should be equipped with support for local area network
- (ii) monitor should work on neonates, pediatric and adult patients
- (iii) standard software should be provided for all the monitors including hemodynamic, oxygenation, drug dosage and ventilation calculation package.
- (v) must have the facility to integrate in to the available anaesthesia information network/ electronic medical record
- (vi) Should provide prominent prioritized audio, visual alarms for high, low heart rate, spo2, RR , lethal arrhythmia recognition and ST Analysis.
- (vii) 24 Hours of graphical and numerical trending
- (viii) minimum 48 Hrs. graphical/tabular trends of all monitored parameters
- (ix) Should have Alarm recall facility for last 24 Alarm events
- (x) Facility to print Graphical trend, tabular trend and alarm recall preferable
- (xi) All installation including cabling, wall mounts to be done and cost to be borne by the bidder.
- (xii) Bidder to inspect the site of installation before quoting, to confirm the site, size of wall mounts and length of cables to be installed.
- (xiii) Service and user manual in English
- (xiv) thermal printer (minimum 2 waveforms) to be provided as a module – total 2 numbers.



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राष्ट्रीय मानसिक स्वास्थ्य और तंत्रिका विज्ञान संस्थान, (राष्ट्रीय महत्व संस्थान), बेंगलूरु - 560 029

ರಾಷ್ಟ್ರೀಯ ಮಾನಸಿಕ ಆರೋಗ್ಯ ಮತ್ತು ನರ ವಿಜ್ಞಾನ ಸಂಸ್ಥೆ, (ರಾಷ್ಟ್ರೀಯ ಪ್ರಾಮುಖ್ಯತಾ ಸಂಸ್ಥೆ), ಬೆಂಗಳೂರು - 560 029

Phone 26995023/5913/5923/5024/5025/5780

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PURCHASE SECTION

- (xv) Parameter modules should be freely exchangeable between all the monitors.
(xvi) HL7 output should be available for digital integration
(xvii) multi license software to capture (numeric and waveform) on real time basis and store in different standard formats (ex: xls, csv) with at least 150Hz sampling rate preferable
(xviii) The company should have the necessary technical, and after sales services within the country.
(xix) Complaints should be attended within 24-48 hrs.
(xx) The company should be willing to provide stand by equipment or replace the faulty equipment if the repair/down time extends beyond 48 hours from the time of reporting.
(xxi)The company should have a minimum of 5 years of experience in the sales and services of this equipment within India.

4. Power supply

Power input to be 220-240VAC, 50Hz as appropriate fitted with Indian plug (5 Amps)

5. Standard, safety and training

- (i) Should have local service facility. The service provider should have the necessary equipments recommended by the manufacturer to carry out preventive maintenance test as per guidelines provided in the service/maintenance manual.
(ii) Should have safety certificate from a competent authority CE issued by a notified body registered in European Commission / FDA (US) / STQC CB certificate / STQC S certificate or valid detailed electrical and functional safety test report from ERTL. Copy of the certificate / test report shall be produced along with the technical bid
(iv)FDA or CE approved product
(iv)Comprehensive warranty for 5 years & 5 yrs comprehensive CMC on expiry of warranty with rates to be quoted separately.
(vi) Demonstration of monitor is a must

6. Documentation

- (i) Certificate of calibration and inspection from factory
(ii) Undertaking that Local after sales Service will be provided round the clock
(iv) Undertaking from the bidder that after sales service, spares & accessories will be provided for minimum 10 years after installation



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PURCHASE SECTION

7. Central monitor station (optional. Quote separately)

- (i) should have facility to display up to 20 real time waves at a time
- (ii) should be able to be networked with at least 16 beds.
- (iii) should have separate patient window for viewing detailed real-time or stored data for individual patient
- (iv) should have 24 hr stored patient data monitoring, 24 hr event review facility, multi lead arrhythmia and ST review facility, 50 alarms strips storage, wave review
- (v) should support HL7 output
- (vi) should have option for 12L ECG monitoring
- (vii) should have optional facility for dual display for detailed analysis of individual bed without compromising on full ICU monitoring.
- (viii) should have facility for interfacing a laser printer for printing patient information and trend formats. (printer must be provided along with central station)
- (ix) should be able to visualize continuously up to 4 configurable waves per patient.
- (x) should operate on Microsoft Windows operating system.
- (xi) 29" flat screen TFT display
- (xii) Monitors should be HL7 compatible with upgradability to be connected to HIS and PACS.