



E-Procurement Tender No. NIMHANS/2019-20/IND384

07.09.2019

**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.	Advanced Anaesthesia Workstation	02	40,000/-

**Tender Schedule**

Downloading of Tender documents from website - <a href="https://eproc.karnataka.gov.in/eportal/index.seam">https://eproc.karnataka.gov.in/eportal/index.seam</a>	From 07.09.2019 Onwards
Last date for tender enquiry	17.09.2019 upto 11:00 AM
Tender submission last date and time	09.10.2019 upto 11:00 AM
Technical bid will be opened online by the authorized officer on	10.10.2019 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 **four months** from the due date. **NIMHANS, Bengaluru will not take any responsibility for any technical issues.**
- Earnest Money Deposit (EMD):**
  - 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.
- The tender documents and all correspondence’s relating to the bid should be in **English language only.**
- Technical bid should comprise of (uploaded copy of documents should be self attested, stamped and better quality – preferably .pdf format) -**
  - 5.1 Brochure/Catalogue and Data sheet of the equipment.
  - 5.2 Technical Compliance Statement



- 5.3 Proprietary certificate from the manufacturer mentioning the unique technology or feature/s mentioned apart from the brand name (If applicable).
- 5.4 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)
- 5.5 Delivery Period of the item to be supplied and Time required for installation from the date of purchase order has to be indicated.
- 5.6 List of Institutes where the equipment has been supplied with copy of purchase orders.
- 5.7 Copy of GST, PAN, TIN document.
- 5.8 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.
- 5.9 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/-.
- 5.10 Declaration towards acceptance of all terms and conditions should also be provided.
6. **Financial Bid should comprise of-**
  - 6.1. **Quotation should be in INR only for DAP [Delivery At Premises] 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.
  - 6.2. **Detailed breakup of the cost should be provided under icon “Action column” by clicking the % symbol which will be mentioned as Added statutory components.**
  - 6.3. The tenderer should also quote 5 years AMC/CMC cost for the post warranty period in INR only under Action column in E procurement portal but AMC/CMC cost will not be considered for successful tenderer decision.
    - 6.2.1 In case of Import, Customs Duty will be considered only at 5.50% of the total Purchase order value and the required Customs clearance documents will be provided by NIMHANS on prior intimation (atleast 5 working days prior intimation) of shipment along with details and relevant documents from the supplier.
    - 6.2.2 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.
  - 6.4. **Exchange rates for Foreign Currency will be considered as per the closing value on the tender last date (i.e. 09.10.2019). IF EXCHANGE RATES ARE NOT AVAILABLE FOR THE TENDER LAST DATE, THEN THE EXCHANGE RATE AS OF LAST**



**CLOSING DAY BEFORE 09.10.2019 SHALL BE CONSIDERED FOR EVALUATION PURPOSE.**

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 6.1).
8. The cost of the “Advanced Anaesthesia Workstation” will be freezed for 1 Year 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 1 year from the date of purchase order.
9. The tender bids (technical and price bid) should be typewritten; every correction in the tender should be initiated 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 complete 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 EMD paid by the tenderer will be forfeited and the tenderer is liable to make good the loss sustained.
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 10% 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.
- In the event of the successful tenderer failed to supply the item/execute the agreement/submit the Bank Guarantee the EMD deposited by them shall stands forfeited.

**21. Payment terms:**

- 21.1 Payment (NEFT / RTGS / Wire transfer / LC) will be made only after good working condition of the equipment certified by the end user. **NO ADVANCE PAYMENT WILL BE ENTERTAINED.**
- 21.2 In case of foreign payments made by Letter of Credit (LC) or wire transfer, bank incidental charges within India will be borne by the Institute and outside India should be borne by tenderer.
- 21.3 Any amendment or extension of LC sought by the tenderer thereafter should be borne by the tenderer.

**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 reduces the said prices of such Materials/Equipment or sells 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 EMD/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 websites 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 and EMD may be forfeited.
  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 : Advanced Anaesthesia Workstation – 02 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 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



E-Procurement Tender No. NIMHANS/2019-20/IND384

07.09.2019

**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	Advanced Anaesthesia Workstation – 02 nos.	
4	Validity of the Quotation	Four months from the due 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 b. What is the arrangement for post contract / warranty monitoring of the equipment?		
9	Details of the EMD Submitted (Reference no., date & bank details)		
10	Any Other Information (Enclose separately in letter head – Yes or No)		

Signature of Tenderer along with seal



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  
ರಾಷ್ಟ್ರೀಯ ಮಾನಸಿಕ ಆರೋಗ್ಯ ಮತ್ತು ನರ ವಿಜ್ಞಾನ ಸಂಸ್ಥೆ, (ರಾಷ್ಟ್ರೀಯ ಪ್ರಾಮುಖ್ಯತಾ ಸಂಸ್ಥೆ), ಬೆಂಗಳೂರು - 560 029  
Phone 26995023/5913/5923/5024/5025/5780 Website <http://www.nimhans.ac.in/tender>  
Fax 080-26571563/26564830/2121/6811 E-mail [aaos@nimhans.ac.in](mailto:aaos@nimhans.ac.in)



**PURCHASE SECTION**

**TENDER FOR THE SUPPLY OF “Advanced Anaesthesia Workstation”**

<b>Department</b>	Neuroanaesthesia & Neurocritical Care	<b>Quantity Required</b>	<b>02 Nos.</b>
<b>End User Contact Details</b>			
<b>Name</b>	Dr. M. Radhakrishnan		
<b>Designation</b>	Professor & Head	<b>EMD</b>	<b>₹ 40,000/-</b>
<b>Mobile No.</b>	+91- 9632589296		
<b>Office No.</b>	+91-80-2699 5415		
<b>Email</b>	<a href="mailto:mrks1974@gmail.com">mrks1974@gmail.com</a> / <a href="mailto:anaesth@nimhans.ac.in">anaesth@nimhans.ac.in</a>		

**SPECIFICATIONS**

**Specifications for Advanced Anaesthesia Workstation:-**

1. Operational requirements:-

(i) Anaesthesia machine complete and integrate with anaesthesia gas delivery system; Circle absorber system; Precision vaporizer for isoflurane, desflurane and sevoflurane; Anaesthesia Ventilator, FiO<sub>2</sub> (online O<sub>2</sub> Analyzer), integrated airway monitor for airway pressure and volume with at least one drawer.

(ii) Essential accessories to make the system compete and compatible with the existing system of gas outlet.

2. Technical specifications:-

[A] Flow management:-

- Should be compact, ergonomics & easy to use.
- Compact 3 gases (O<sub>2</sub>, N<sub>2</sub>O and air) anaesthesia machine for adult and pediatric application.
- Should have separate provision for connecting central pipeline supply and cylinder with pressure indicator gauges.
- Should have gas specific cylinder and pipeline inlet fittings to ISO standards.
- should have guarded colour coated flow control knobs to prevent accidental operation.





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**PURCHASE SECTION**

- (vi) should have emergency oxygen flush > 35Lpm.
- (vii) should have minimum 60 minutes built-in battery backup.
- (viii) should have compact integrated breathing system suitable for low flow and minimal flow anaesthesia.
- (ix) Machine should provide pneumatic or electronic gas mixing.
- (x) Integrated Multi-Colour TFT display of at least 8" size, with normal or virtual flow meter for O2, N2O, Air.
- (xi) Single/ dual flow sensing capability at exhalation and inhalation port.
- (xii) Should have back up O2 control which provides' an independent fresh gas source and flow meter control in case of electronic failure.
- (xiii) Hypoxic Guard to ensure minimum 25% O2 across all O2-N2O mixtures and oxygen failure warning.
- (xiv) Should have rs-232 port for connectivity.
- (xv) Facility to integrate in to the available anaesthesia information network/electronic medical record.
- (xvi) Facility to store and retrieve the data in to another device.

[B] Standard circle absorber system:-

- (i) Should have adjustable pressure limiting valve, breathing circuit pressure measuring device.
- (ii) Should have a bag/ventilator selection valve integrated onto the absorber.
- (iii) Should be suitable to use low flow techniques.
- (iv) Facility to attach oxygen sensor.
- (v) should be of quick release canister with capacity of more than 1Kg.
- (vi) should allow quick change from open circuit to close circuit and from manual mode to ventilator mode without interchanging connection.
- (vii) should be fully autoclavable.
- (viii) Should have CO2 absorbent chamber canister with CO2 bypass.

[C] Vaporizers:-

- (i) New generation vaporizer which must be isolated from the gas flow in the off position and prevent the simultaneous activation of more than one vaporizer.
- (ii) Temperature, pressure and flow compensated vaporizers and maintenance free — for isoflurane, desflurane and Sevoflurane.
- (iii) Provision to mount two vaporisers at a time with interlocking facility and allows easy exchange between agents.
- (iv) Only one gas delivery from the vaporiser should happen at a time.
- (v) Facility to provide automated target control of volatile anaesthetic agents (preferable).



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**PURCHASE SECTION**

[D] Anaesthesia ventilator (Integrated):-

- (i) The workstation should have integrated anaesthesia ventilator system for adult and pediatric patients.
- (ii) Ventilator should have volume control and pressure controlled modes including VCV, PCV, PS and PEEP.
- (iii) Ventilator should have a tidal volume compensation capability to adjust for losses due to compression, compliance and leaks; and compensation for fresh gas flow.
- (iv) The workstation should be capable of delivery of low flow anaesthesia.
- (v) Ventilator should be electrically driven and electronically controlled.
- (vi) Ventilator parameters, waveforms should be displayed on a large TFT at least 8 inches with both touch screen and track wheel controls.
- (vii) Assisted mode of breathing should be flow triggered.
- (viii) Monitoring of delivered anaesthesia gases, volumes and airway pressures.
- (ix) Ventilator should have saving and recalling facility of stored parameters.
- (x) ventilator should have pressure and flow waveform.
- (xi) On switching on, the ventilator system should be able to and shall give the user a choice of doing a compliance test or bypassing in the case of emergency.
- (xii) Appropriate alarm and user set alarm limits.

[E] Breathing System:-

- (i) Latex free and fully auto cleavable.
- (ii) Flow sensing capability at inhalation or exhalation ports, sensor connections shall be internal to help prevent disconnect.
- (iii) Sensor should not require daily Maintenance.
- (iv) Bag to vent switch shall be bi-stable and automatically begins mechanical ventilation in the ventilator position.
- (v) Adjustable pressure limiting valve shall be flow and pressure compensated.
- (vi) Breathing circuit: reusable silicone, with 2 water traps, 1.5m each, two limbs, bi-wye connector with two ports, one 0.45mm Limb, with reservoir bag - adult and pediatric (4+2 with each machine).

[F] Display of ventilator:-

- (i) Tidal volume (VT).
- (ii) Inspiratory /Expiratory ratio (I:E).
- (iii) Inspiratory pressure (P inspired).



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## PURCHASE SECTION

- (iv) Pressure limit (P limit).
- (v) Positive End Expiratory Pressure (PEEP).
- (vi) Ventilator waveform.

### 3. System Configuration Accessories, Spares and Consumables:-

- (i) Circle absorber -.01
- (ii) Ventilator (integrated) -01
- (iii) Adult and Paediatric autoclavable silicone breathing circuit -02 (each).
- (iv) Adult and pediatric silicon face mask with silicon rebreathing bag – 1 each in all sizes.
- (v) servo controller stabilizer and other standard accessories to make all parameter working.
- (vi) Should have retractable/ foldable writing tray.
- (vii) Machine should be provided with wheels for easy mobilisation.

### 4. Environmental factors:-

Machine should have facility to connect to active AGSS (Anaesthetic Gas Scavenging System/port) at the user institution if a working scavenging system provided by the user is available. The key plug for AGSS should be provided by the user institution. Should also supply passive scavenging tube.

### 5. Power supply:-

- (i) Power input to be 220-240VAC, 50HZ/ as appropriate fitted with Indian plug.
- (ii) In built battery backup for minimum 1 hour for the entire system.
- (iii) Atleast two auxiliary power outlets should be available.
- (iv) Medical grade power strip.

### 6. Standard, Safety and Training:-

(i) Should have safety certificate from a competent authority CE / 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.



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**PURCHASE SECTION**

(ii) 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.

(iii) Demonstration of equipment is must during technical evaluation.

7. Documentation:-

(i) Certificate of calibration and inspection from factory.

(iii) User manual in English.

8. Necessary conditions:-

(i) The Anaesthesia machine and Ventilator should be from one manufacturer for better service backup.

(ii) Comprehensive warranty for 5 years.

(iii) Must ensure to attend the call to user requirements within 24 hours.