DOCTORS FOR YOU
THERE TO CARE

TENDER NOTICE

Tender No. - DFY/J&K/TEN/101/24-25 **Date – 11th August, 2024**

Doctors For You invite tenders from eligible and qualified bidders for the "**Anaesthesia Work Station with Patient Monitor**, equipment's & Installation at **All India Institute of Medical Sciences, Jammu & Kashmir (U.T.)** under **HDFC – Jammu.**

Scope of Work:

- Supply, delivery, and installation of the equipment.
- Training for end-users on the operation of the equipment and software as per requirement.
- Maintenance and support services post-installation.

Technical Specification:

S. NO	PARTICULARS	SPECIFICATION
1.	Anaesthesia Work Station With Patient Monitor: **Draeger Atlan A-350 w Vista 300 Monitor as per configuration offered herewith**	**ANNEXURE- 1 to 4.**

Eligibility Criteria:

- The bidder must have experience in supplying and installation of similar equipment.
- Financial stability and ability to provide post-installation support.
- The bidder must comply with all applicable legal and regulatory requirements.
- Supplies Materials / Product should be of quality standards or QC passed only

Tender Submission:

Sealed tenders, marked with " **Anaesthesia Work Station With Patient Monitor**, equipment's & Installation of a **All India Institute of Medical Sciences, Jammu & Kashmir (U.T.)**under " **HDFC - Jammu,** should be submitted to Mr. Sandeep Chauhan, Doctors For You, Flat No. G6/312 Pocket-D, Ganga Apartment Vasant Kunj, Delhi: 110070 on or before **24th August, 2024**.

Tender Opening:

- Tenders will be opened on **25th August , 2024**, 01:00 p.m. at Doctors For You, Flat No. G6/312 Pocket-D, Ganga Apartment Vasant Kunj, Delhi: 110070.
- Interested bidders or their authorized representatives are invited to attend the tender opening.

Validity Period:

Tenders should remain valid for a minimum period of **60 days** from the tender opening date.

Tender Format:

In the Letter head of the Supplier, kindly furnish the below details.

1	Name of the Supplier	
2	Type of Supplier (Proprietorship / Firm / Companyetc.)	
3	Address of the Supplier	
4	GST Registration	
5	PAN	
6	Place of the Supplier	
7	Delivery duration	

Interested potential bidders are requested to send their financial quotation separately, as per the product specification and other details as per the tender notice containing Unit price and Delivery charges (extra) in the letter head of the bidder.

Contact Information:

For any clarification or further information, please contact Mr. Sandeep Chauhan at +917388278908 or email at info@doctorsforyou.org.

Doctors For You reserves the right to accept or reject any or all tenders without assigning any reason.

ANNEXURE - 1:

ANAESTHESIA WORKSTATION
STANDARDS AND CERTIFICATIONS

A) The quoted model (Both Anaesthesia Machine and Monitor) should be European CE with four digit notified body number or US FDA /or BIS approved and certificate to be submitted.

B) Should meet the requirements of medical electrical equipments in accordance to IEC 60601-1, IEC 60601-1-2 (Both Anaesthesia machine and Monitor) , ISO 80601-2-13 (for Anaesthesia machine), IEC 80601-2-49 (for Monitor)

C) Manufacturer and supplier should have ISO 13485 certification
or
Model should be registered from CDSCO as per new government of India guidelines

All the components Anaesthesia Machine, Monitor, AGM, Vaporizers, should be from the same manufacturer/OEM integrated**.**

TECHNICAL SPECIFICATIONS

1 Anesthesia WorkStation should be trolley mounted and should have inbuilt/integrated Ventilator, Vaporizer, Gas delivery system and Multipara Monitor

2. Material of the Anesthesia WorkStation should be Epoxy powder painted steel/rust-proof ABS plastic with metal reinforcements

3 Anestheisa Machine with integrated ventilator , all vaporisers should be from same OEM

4 It should offer ICU quality ventilator, suitable for adult children and neonate. Suitable for low and minimal flow anaesthesia application.

5.Vaporizer must be isolated from gas flow in off position and prevent simultaneous activation of more than one vaporizer. Temperature pressure compensated and flow compensated independent vaporizer.

6.Safety features like electronic hypoxic guard, should provide atleast 25% or more of oxygen when an anesthetic gas mixture is in use with electronic gas mixture. Should have extra flow meter for oxygen only.

7. Digital display of pressure value for cylinder and pipeline pressure.

8 Single chamber soda lime canister with a capacity of 0.6 kg or higher and should be autoclavable.
9 Independent port for open circuit.

10. Machine should have drawers for storage space and good quality handle and castors to move the machine with locking system

11 . Ventilator of the machine should be suitable for new born pediatric and adult which should have colored touch screen with 15 inch screen size or more.

12. Modes of ventilation should be volume and pressure controlled, SIMV and pressure support mode. Tidal volume range from 10 ml to 1500 ml RR from 4-80 or more.

ANNEXURE - 2:

13.There should be no collection of water in the breathing circuit (Integrated heating mechanism in breathing system for same).

14. It should have independent para magnetic oxygen sensor/Electromagnetic sensor or cell for FiO2 with an expected life of atleast 2 years, However suitable no. of such sensors so as to cover 5 years warranty shall have to be supplied along with machine & Bidders quote should address this suitably.
15. Should have a battery backup at least 2 hour

16.Monitor should display spirometery loops pressure V/s time volume /flow V/s time.

17.The machine should have vaporizers of same OEM as machine.

18.The machine should have target controlled settings for oxygen and anesthetic agent based on continuous monitoring of patients end tidal O2 and end tidal anesthetic agent values or should support with guidance tool that automatically monitors and analyze inhaled and exhaled oxygen and anaesthetic agent data including patient uptake with actual fresh gas settings to efficiently reduce the agent consumption in low and minimal flow anaesthesia practice.
OR
Should have end tidal software tool or low flow wizard software tool for driving the efficiency in low and minimal flow anaesthesia practice.
OR
Should have target based software tool to control fresh gas flow, anesthetic agent or tool to calculate and show the exact flow required to set as per need of the patient.

19 The machine should have the indicator or decision support tool to show the efficiency of fresh gas setting while used in Low flow and minimal flow.

20. Multi gas analysis with auto detection of all anesthetic agents on anesthesia machine.

21. Automatic display of MAC of all anesthetic gases and FIO2 on anesthesia machine.

22. Machine should have dual flow sensors at inspiratory and expiratory port .

23. Inspiratory: Expiratory ratio 2:1 to 1:6 and peak flow >90 L/min

24. Suitable for low and minimal flow Anaesthesia application

25. The Anaesthesia machine should keep working even after power breakdown including hypoxic guard.

26 In case of electricity and battery failure, manual ventilation using 100 % oxygen and simultaneous delivery of volatile anesthetic agent should be possible

27. The machine should be supplied with active AGSS system with Jar & necessary components to connect with the central AGSS (Anesthetic Gas Scanvenging system) system

ANNEXURE - 3:

Patient Monitor

1. The monitor should be light weight and have bright, clearly visible, 15 inch colour LED display for easy viewing from a distance in a large critical care setup. Display capability should be for up to 10 simultaneous waveforms.

2. The monitor should have an optical knob as well as touchscreen option for the ease of operation. For ease of use a user should be able to access the same function using either of the two (optical encoder or touch screen) based on his convenience.

3. The monitors should have an inbuilt & standard capability to monitor ECG, NIBP, SpO2 (Nellcor / Masimo technology) , dual Temperature and dual IBP

4. Should have ST segment analysis as standard.

5. The Display should be configurable by Doctor. Screen Auto formating to make maximum use of screen based on parameters used is desirable.

6. Monitor should have minimum 240 Hrs of graphical and tabular trends and minimum 2hrs of online trend. The graphical & tabular trend should be seen simultaneously.

7. Monitor should have OxyCrg trend.

8. Bed to bed monitoring is required.

9. The monitor should have an advanced HDMI port to enable Large screen Slave display connectivity.

10. Machine should be usable for measuring advanced measurements like Wedge pressure, cardiac output index, stroke volume index, pulse pressure variation, systolic pressure variation, other haemodynamic calculations and Drug dose calculations.

11. Should have Standalone/ Integrated BIS or Entropy.

12. Upgradable to cardiac output monitoring

13. Should have Modular/Standalone NMT as optional.

14. It should be operational over a wide temperature range 10oC-40oC and humidity 20%-90%

15. Should have a facility to deactivate all the alarms, if necessary

16. Monitor should be capable of connection to a central station or the other hospital information systems.

17. It should be capable of up-gradation for connectivity to the other diagnostic and administrative systems of the hospital for displaying images and reports of the patient from these areas.

18. It should be possible to get remote access of the monitor via network

19. Monitor should be equipped with a compact thermal recorder or facility to hook up an external printer, to record all the displayed waveforms together or separately in different combinations as desired.

20. Experience and performance certificate from three INI for both anaesthesia machine as well as monitor.

ANNEXURE - 4:

21. Each machine should have the following accessories:

§ Isoflurane Vaporizer same OEM with necessary filling device	1
§ Sevoflurane Vaporizer same OEM with necessary filling device	1
§ Re-usable Adult Breathing Circuit along with water trap	5
§ Re-usable RE-breathing bag 0.5 Ltr, 1 Ltr and 2 Ltr	2 each
§ Re-usable Pediatric breathing circuit along with water trap	2 each
§ BIS / Entropy Module	1
§ ECG Cables and lead Wire set	5
§ NIBP cuff adult § § NIBP cuff pediatric	7 3
§ § NIBP cuff adult neonate	3
§ EtCo2 sample line	50
§ Water trap	20
§ Temperature probe adult Temperature probe pediatric § Disposable breathing circuit with water trap for adult § Disposable breathing circuit with water trap for paediatrics § § § BIS / Entropy cable § BIS / Entropy cable respective electrode § Should have accessory for suction and active AGSS	3 2 25 25 3 20

22. Bidder has to supply all necessary hardware, software, cables, etc required for successful installation and commissioning of the entire system.

23. The bidders are strongly advised to visit the site before submission of the bid for assessment of work.

24. Bidder has to provide onsite demonstration of the whole system along with all components, if desired by the Technical Specification committee.

25. Installation on turn key basis.

- **WARRANTY / CMC**

5 YEAR Warranty and 5 YEAR CMC
Standard Warranty (5 Years):
Covers defects in materials and workmanship.
Typically includes repairs or replacements of faulty parts.
Fixed CMC Price from 6th Year to 10th Year