Sealed Quotations/Bids are invited from Manufacturer or their authorized dealers for the purchase of High Frequency mobile X Ray unit on the terms and conditions as mentioned on page no.2.

Quotation should reach this office on or before 26/09/2018 by 12:00 Noon.

Note: Those firms who have submitted their bids earlier in response to NIT No.732/MCH/SHKB dated 11-08-2018 need not apply again.

**Specification for High Frequency mobile X-Ray unit**

State of Art, High frequency microprocessor controlled Mobile X-Ray having following features:

- **The Generator:**
  - a. Microprocessor controlled high frequency/inverter type of high frequency (110 KHz or more) for constant output.
  - b. The system should have inbuilt PFC Circuit for Power Factor Correction.
  - c. It should have power rating of 3.5 kW or more.
  - d. It should have a digital display of mAs and kV.
  - e. KV range: 40kv to 100kv or wide range.
  - f. mA selection: 20 to 70mA or more.
  - g. mAs selection: 1 to 200 m As or more.
  - h. Exposure time of 15 ms to 4.4 sec.

- **X-Ray Tube and Collimator:**
  - a. Stationary anode and focal spot size should be less than 1.8mm².
  - b. Should have collimator with On/Off switch from Console.

- **Display:** Digital display of mAS and KV for easy parameter settings.

- Should display the Errors in case if any malfunction occurs in the system.

- The unit must have an effective braking system for parking and transport. The tube stand must be fully counter balanced with rotation in all directions.

- The System should have dual articulated arm design to keep the tube-head straight always during up-down movement of Tube head.

- The System should have concealed cable design (hidden cable routing from console to Arm) specially for use in ICU (hygienic advantages).

- The System should have separate storage space to keep accessories, etc.

- The System should have the storage space for multiple cassettes.

- The machine should be equipped with double step exposure switch with long cord.

- The Systems should be fully safe with respect to:
  - a. Over current
  - b. Over Voltage

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c. Maximum loading of tube.

- Essential accessories: The following essential accessories to be provided with the unit.
  a. Cassettes – one each of size 10"x12" (25x30cm) and 14" x 17"(35x43cm)
  b. Lead apron – 1Nbs.

- The unit should operate on single phase power supply and should have plug in facility to any standard wall outlet with automatic adaptation to line voltage 190 to 260 volts, 15 Amp plug.
- Should be BIS & AERB approved product.
- Should comply with AERB Guidelines for Table Top Dose & radiation leakage.
- User manual to be supplied in English.
- Company should have well established after sales service network with Toll Free Service Call login facility. Companies should also have a local service representative or service facility to provide fastest response time in case of breakdown of the equipment.
- The quoted firm should have turnover of minimum 100 crores.

Terms & Conditions:

1. Make, Model, Rate, Warranty & GST detail MUST BE Clearly mentioned in the quotations.
2. Only typed quotations/tenders bearing GSTIN No. on original letter head will be entertained and please provide GST-HSN code on each item separately.
3. Manufacturers/ Authorised dealer’s certificate must be attached with the quotations/Tenders.
4. Cutting/over writing on quotations/tenders will not be accepted.
5. The firm must be registered with Directorate General of supplier and Disposals (DGS &D) or in Central purchase office A.M.U Aligarh.
6. List of users for the quoted item with contact no. should be provided Photocopy of purchase order along with terms and conditions of contract received from any Govt/Public sector institution in last 2 years for supply of offered equipment must be enclosed with the price bid.
7. Installation and Commissioning will be the responsibility of the supplier & after sale service should be provided.
8. The Equipment should be US FDA/ CE European approved product.
9. The Instruments/Equipment might be called for demo, and approval. It is sole discretion of the department to approve or disapprove the quality.
10. Comprehensive onsite warranty 05years & detail after sale service backup in warranty period must be clearly mentioned.
11. The Rate of CMC for 2years must be provided separately after warranty.
12. The payment shall be made against bill and satisfactory installation. No advance payment is possible.
13. The hospital reserve the right to reject any or all the tender/Quotations without assigning any reason or to allot full or part of supply to one or more firms.
14. Inclusive GST rates will not be accepted and tender /Quotations will be cancelled.
15. The rate must be quoted in Indian rupees and F.O.R JNMC Hospital.

Medical Superintendent
J.N. Medical College Hospital
A.M.U., Aligarh