



INDIAN INSTITUTE OF TECHNOLOGY KANPUR

CENTRAL STORES & PURCHASE SECTION

IIT Post Office Kanpur - 208 016

Under certificate of posting

Phone : 91-512-2597214, 7384

Fax : +91-512-2597659

Email : purchase@iitk.ac.in.

Enquiry No : E/2015-2016/24

Enquiry Date : 24/11/2015

Closing Date : 08/12/2015 (*Date extended upto 22/12/15*).

Delivery Date: 15 Days

Dear Sir ,

Sealed Quotations so as to reach latest by 3:00 PM on dated 08/12/2015 are invited for the supply of following items :

SI No.	Description	Quantity	Unit
1	X-RAY MACHINE UNDER BUY BACK OF OLD X-RAY MACHINE (MODEL DX-300\BEL\6M\SIMLEX-TABLE\90-3FR,30KVA, YEAR OF PURCHASE-1999) SPECIFICATIONS AND TECHNICAL DETAILS AS PER ATTACHED ANNEXURE-A	1	SET

1. Please quote buy back price and installation charges if any separately. 2. Suppliers are requested to submit authorization letter from their manufacturer failing which their quotation may not be considered.

3. Warranty detail should be clearly mentioned.

Sd/-

Dy. Registrar (S&P)
Central Store & Purchase Section

SPECIFICATION FOR 300 mA HIGH FREQUENCY X-RAY MACHINE WITH 5 POSITION MANUAL BUCKY TABLE

300mA HIGH FREQUENCY X-RAY MACHINE

High Frequency X-Ray machine suitable for general Radiography procedures. Generator and Tube offered should be from the same Manufacturer/Principal manufacturer.

GENERATOR

- High frequency X-Ray Generator having Frequency of 40 kHz or more suitable for Radiography.
- Power Output of Generator should be 30 kW or more.
- Radiography KV range should be 40 to 110 kV or more.
- Radiography mA: 300mA.
- mAs :- 200 mAs or more.
- Should have 2 point techniques for exposure.

CONTROL

- Compact soft touch floor mounted control panel.
- Machine ON/OFF Switch.
- Digital Display of kV & mAs.
- kV range – 40 to 125 kVp in radiography.
- kV & mAs increase and decrease switches.
- Tube focal spot selection Switch
- Ready and X-Ray on switch with Indicators
- A dual action hand Switch with Retractable cord is required for Radiation Protection of Operator.

X-RAY TUBE

- One No. Dual focus Rotating Anode X-Ray Tube having two focal spots should be provided.
- Small focus: 1.0mm²)
- Large focus: 2.0mm².
- HV cable: One Pair of High Voltage Cable.
- One manual collimator with aluminum filter for adjustment of exposure area.

The unit should be type approved by AERB for use up to 300mA, relevant copy of the certificate should be attached with the bid.

5 POSITION MANUAL BUCKY TABLE

5 Position Manual Table should be compact diagnostic X-ray table designed to fulfill the requirements of Health Centre, IIT Kanpur. It should be possible to carry out radiography with the patient standing, sitting or lying down. The Bucky and Grid assembly should enable scatter-free radiographs even at high kV operation.

TABLE

- Table should be Hand-operated, multi-position (5 positions) X-ray
- Fully counterbalanced Catapult Bucky Diaphragm with Oscillating Grid having grid ratio 8: 1; 100 lines / inch..
- Floor to ceiling Tube Column stand with X -ray tube assembly mounted.
- Double Slot Collimator with remote control and full field illumination.
- Sectional rails to accept cones.
- Foot switch, immobilizing Device-Belt type, Foot Rest.
- The unit should be type approved by AERB.

TUBE COLUMN STAND:

Fully Counter balanced Floor to ceiling column stand for over couch tube with collimator with a 360 degree Swivel Facility.

LEAD APRON

- Lead apron 0.5mm lead equivalence – 1 no.
- Lead apron hanger--1

III OTHERS

- The record of prior supply of similar X RAY machine to institutes of national repute like other IITs/IIMs/AIIMS is desired. The firm should attach detailed installation list along with users' complete address and telephone number.

- The availability of above mentioned features and technical specification must be substantiated with authentic published documents from manufacturer or regulatory bodies.
- System should be offered with 5yr warranty including the x ray machine.
- Service to be provided within 24hrs, if required. Machine should be in working condition 95%days of the year.
- Warranty of the machine should be for 5 years followed by 5 years CMC with all spares. The price of the CMC shall be quoted at the time of tendering process. The price of CMC shall be considered for the evaluation.
- Imaging reader system and dry imager system should be from the same manufacturer.
- The successful bidder will have to ensure onsite training of end users.
- The purchase of the new equipment has to be under a 'buy back' scheme through S&P section of the Institute. There is an old X-ray machine at Health Centre of IIT Kanpur make DX300/BEL/6M/SIMLEX TABLE 90-3 FR, 30kVA which has to be replaced with a new X-ray system by the successful bidder.



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Terms & conditions for supply of above mentioned articles

1. Enquiry will be sent by courier / registered post / speed post and IIT Kanpur will not be liable for any kind of irregularity/delay.
2. The quotation in duplicate should be enclosed in a properly sealed envelope addressed to the Dy. Registrar(S&P) invariably giving on the envelope reference of enquiry and due date of opening.
3. The quantity mentioned in enquiry is and shall be deemed to be only approximate and will not in any manner be binding on the Institute.
4. Firms will quote separately for each article.
5. The Rate offered should be free delivery to IIT Kanpur or Ex-godown in case of firms situated outside Kanpur.If items is imported then the firms should quote the price on F.O.B. basis.
6. In case of Ex-godown terms the amount of packaging, forwarding freight etc. should clearly be mentioned by percentage or lump sum amount. Current rate of tax as and other statutory levies must be mentioned.
7. The rates offered should be exclusive or inclusive taxes. The rates applicable should clearly be specified .
8. The delivery period should be specifically stated. Ex-stock and earlier delivery may be preferred.
9. The firms are requested to give detailed description and specification together with detailed drawings and printed leaflets and literature of the articles quoted. The name of manufacturers and country of manufacture should also be invariably be stated. In the absence of these particulars the quotation is liable for rejection.
10. Samples wherever asked for will not be paid for. These should be delivered in the office of the undersigned securely labeled and packed. In case of firms who submit the sample through railway and road transport the freight should be prepaid and R/R should be in favour of the Dy. Registrar, Stores and Purchase Section. Indian Institute of Technology, Kanpur-208016.
11. Quotation should have validity of at least 90 days from the date of opening.
12. The rates quoted should be in metric units, otherwise your quotation is liable to be ignored.
13. The right to reject all or any of the quotations and to split up the requirements or relax any or all of the above conditions without assigning any reason is reserved.
14. All the consignments must be securely packed and booked duly insured addressed to the Dy. Registrar (S&P) IIT Kanpur - 208016
15. Institute is exempted for payment of Excise Duty under notification No. 10/97 & partially @ 5.15% Custom Duty exemption certificate under notification 51/96 and road permit will be provided if applicable.
16. The Penalty @ 1% per week or part thereof subject to a maximum of 10% of the delivery price will be deducted from the balance payment if supply is not completed within stipulated period.
17. The Concessional Form 'C/D' have been abolished w.e.f. 01.04.2007.
18. Our standard payment terms & condition is 90% against delivery and 10% after inspection and approval.

Sd/-

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