



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/2015-2016/25

**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	COMPUTERIZED RADIOGRAPHY SYSTEM  ALL SPECIFICATIONS AND TECHNICAL DETAILS AS PER ATTACHED ANNEXURE-A.	1	SET

1. Suppliers are requested to submit authorization letter from their manufacturer failing which their quotation may not be considered. 2. Warranty detail should be clearly mentioned. 3. Installation charges if any should be clearly mentioned.

Sd/-

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

**Specification for Computerized Radiography System**

**S. No      Specifications**

**I            IMAGE READER SYSTEM**

- The system should be compatible for general radiography.
- The system should have the capability to process at least 30 plates per hour of size 14x17 inches at 10 pixel/mm or better.
- The initial film preview time should be less than 50 seconds for cassette size of 14x17.
- Should have the following sizes of image plates and compatible cassettes. The rates for cassette and plates have to be offered separately and orders will be issued as per requirement.
  - a) 35 cm x 43 cm or (14"x17") : 2nos
  - b) 35 cm x 35 cm or (14"x14") : 2nos
  - c) 24 cm x 30 cm or (10"x12") : 2nos
  - d) 18 cm x 24 cm or (8"x10") : 2nos
- Should have at least 17" LCD/TFT display to view images of resolution 1kx1k
- Should be possible to take print outs directly. Mechanism for printing Multiple Images in one film, with the possibility of slide and true size printing
- Should have a protocol for verifying the connectivity status of configured image destinations.
- Should have Customizable Graphic User Interface
- Should be capable to store more than 5000 images
- Indication of Over Exposure on the preview module.
- Capability of interfacing to HL7, Non-HL7, Proprietary, DICOM Work list or user defined Windows/DOS /Linux based interface protocols to HIS/RIS.
- Customizable Graphic User Interface (GUI) in Identification station with facility of selecting DICOM print & Storage destination.
- Mechanism for User release from Preview terminal in case of Auto-routing Images to Pre-defined DICOM Destinations.
- Solution for storing patient demographic data for multiple exams in RIS/non RIS environment.
- It should be possible to put a custom configurable data field in the demographic information of the patient linked with the image.
- CD and DVD Burner.

- Various image-processing protocols should be available for the respective regions of the body.
- Built in routine for using predefined image processing parameters for image quality enhancement.
- Mechanism for storing the Patient image based on name, date, exam, etc.
- Capability of storing user defined image processing parameters.
- Capability of overwriting predefined image parameter with user-defined parameters & storing these two images separately.
- Manual correction typographically in Patient Demographic module, in case of any problem with RIS connection.
- Capability of changing W/L, Flipping, Rotating, Zooming, Collimating Annotating incoming image

## II **DRY IMAGER SYSTEM**

- a Should be a dry laser camera with a resolution of 500 dpi or more.
- b Should have a gray scale resolution of at least 14 bits.
- c Capable of Printing Images in DICOM 3.0 format or newer version.
- d Should have two online universal trays and have mechanism to print images of minimum 2 film sizes simultaneously.

## III **OTHER**

Should supply an On-Line Uninterrupted power supply of suitable capacity with minimum 30 min battery backup for the workstation.

The imager should support daylight loading of films.

- The record of prior supply of similar CR system 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 CR system, IP plates, UPS (its batteries) and accessories supplied.
- Vendors should also submit rates for compatible plates of various size for yrs.
- 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.
- Supply one packet of each size X-Ray films.



# INDIAN INSTITUTE OF TECHNOLOGY KANPUR

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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 envelop 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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