

**RAJENDRA MEMORIAL RESEARCH INSTITUTE OF MEDICAL SCIENCES
(INDIAN COUNCIL OF MEDICAL RESEARCH)
AGAM KUAN, PATNA – 800 007.**

Tender Notice No./Store/CR Sys /X-Ray /03/2017-2018

Dated:07-12-2017

TENDER NOTICE FOR THE EQUIPMENT CR-System X-Ray

Sealed Tenders/Bids (in two bid system i.e. Technical bids and Price bids) are invited for the purchase of Medical Equipment “CR-System X-Ray” for the institute to upgrade the existing SIEMENS X-Ray model 300 mA pleophos DII X-ray system.

Interested Manufactures/Reputed suppliers/Registererd firms having GST No etc may submit their Tender/ bid latest by 02-01-2018 at 05.00 PM. through Registered / Speed post, etc. addressed to the Director, RMRIMS (ICMR), Agamkuan, Patna-800 007.

Tender document for the above equipment can be obtained from the office of undersigned by depositing Rs. 2,000=00 or may be downloaded from the institute’s website. The tender document cost and E.M.D. of Rs 30,000=00 with technical bid must be submitted in form of Demand Draft in favour of Director, RMRIMS, Patna payable at Patna. The information are available at institute’s website: www.rmrims.org.in.

Administrative Officer

**TECHNICAL SPECIFICATION TO UPGRADE EXISTING SIEMENS X-RAYS MODUL 300 MA PLEOPHOS
DII X-RAY SYSTEM COMPUTED RADIOGRAPHY (CR) SYSTEM.**

The Computed Radiography (CR) system should have following essential features:

1. Image recording system (Cassettes and Imaging Plates): The following size of cassette and imaging

plate should be supply along with the unit.

- a) 14" X 17" - 2 Nos.
- b) 10" X 12" - 2 Nos.
- c) 8" x 10" -2 Nos.

2. Image Reader/Digitizer

a) System must have capability to read following sizes of Cassettes 14x17 inch, 14x14 inch, 10x12 inch and 8x10 inch.

b) System must achieve minimum 60 plates/hour or more for largest size of cassette.

c) System must have scanning resolution of 5 pixels/ mm (minimum) or more for standard resolution.

d) System must be standalone floor model.

e) Gray scale resolution must be at least 12 bit or more.

f) IP inside the cassette should be rigid or dual side reading capability.

g) System should have 20 pixel reading option for mammography.

h) System must be US FDA approved for mammography application.

3. Workstation

a) 19" or bigger size of Monitor should be LCD/LED.

b) Monitor resolution must be at least 1280X1024

c) Image processing algorithms are based on multifrequency processing type

d) Software automatically masks the area outside the collimation edges for better productivity.

e) Manual adjustments of the masked area should be possible

f) System must be capable to connect to PACS through Dicom Store

g) System must be capable to print to dry laser printers to create various Film layouts & multi format on single film for optimum utilization of film

- h) System has the capability to connect to existing RIS/HIS system and communicate through HL7 protocol
- i) System must be capable of burning patient images on CD/DVD
- j) System must be capable of running a QA/QC test to verify performance
- k) A statistical report must be generated to track repeat exams, dose etc
- l) Images can be freely rotated
- m) System must be capable to export images to media such as USB, CD Rom etc
- n) System must be capable of importing images into the database from various media type such as USB sticks, CD rom etc
- o) System must make available Advanced measurement tools such as lengths, angles, Cobb angles , Cardio Thoracic Area ,etc
- p) Patient list can be created either from the main workstation or from a web client remotely connected
- q) System can offer optional feature of a specific module to generate reports and store them on the same database along with images
- r) System should have Optional feature of Reports can be created either from the main workstation or from any web client remotely connected
- s) Images and reports can be distributed across web clients connected to the main workstation (optional)
- t) Minimum number of concurrent web clients supported should be 4 (optional)
- u) System must be able to print images through standard paper printers networked to the main workstation
- v) System offers the capability to crop images, zoom and print
- w) Provided PC for Workstation/Console must be from reputed brand like Dell, HP, IBM or similar reputed brand.

4. Dry Printer/Imager

- a) Printer/Imager must be dry laser printer/imager and avoid use of any wet chemical for film processing.
- b) Printer should have automatic image quality/density controlling system.
- c) Printer Should have 3 online supply trays/draw or more.
- d) Each tray/draw of the printer must be able to print the following international standard films sizes 8X10 inch,10X12 inch,11X14 inch and 14X17 inch without alteration to the tray.
- e) Printing resolution must be standard 500 dpi/ppi or more for all type of DICOM image printing. Higher resolution would be preferred.
- f) Throughput should be 100 film/hour or more for largest size of film.
- g) Printer must have14-bit pixel depth architecture

5. Suitable online UPS with minimum 30 minutes power backup for whole system.

6. Bidder will provide suitable furniture (computer table & chairs) to accommodate the system.

7. Bidder should quote price of cassettes &Image plates &Films of different sizes valid for next three years.

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TERMS & CONDITIONS

1. The Institute is setting up a radiological investigation unit with facility of **CR-System X-Ray** to upgrade the existing SIEMENS X-Ray model 300 mA pleophos DII X-ray system.
2. EMD in the form of Demand Draft, in favour of Director, RMRIMS, Patna payable at SBI, Agamkuan, Patna (code-07878) from any scheduled bank, EMD in any other form will not be acceptable. **The EMD must be enclosed with Technical Bid as per advertisement.**
3. Tender evaluation will be done in two stages. i.e. (i) Technical bid (ii) Price bid. Each bid to be submitted in separate sealed envelopes super scribed as Technical bid & Price bid.
4. The Technical bids will be opened on 04-01-2018 **at 03:00** PM in the Institute premises. Tenderers/Bidders/or their representatives may present on the day of Tender opening date. Any changes in the schedule will be informed at our institute website. (www.rmrims.org.in)
5. Technical bid should contain :-
 - (a) Name of items with specification, makes/ brands of the items and model No.
 - (b) Literature & Catalogues in support of the item quoted must be enclosed. **(Original Brochure)**
 - (c) Performance certificate of equipment will be preferred.
 - (d) Current authorisation letter i.e. a valid letter of authorisation from the principal manufacturer.
 - (e) Attested photocopy of valid license for stockist and distributorship as applicable should be provided.
 - (f) The EMD in form of Bank Draft must be enclosed with Technical Bid.**
6. Price bid should contain:-
 - (a) Should be submitted in a separate sealed envelope super scribing the word "Price bid" mentioning tender enquiry number and date.
 - (b) The rates quoted should be inclusive of Excise Duty, GST & other taxes (For Central & State) For imported items the quoted rate should be on **FOB basis.**
 - (c) Bidder will quote firm rates. No condition like discount in price, free goods/ incentives will be accepted towards finalization of the tenders. Rates should be according to a unit.
 - (d) While quoting rates, enquiry no. of the tender must be indicated and rates should be quoted.
7. The tender documents should be typed. Any cutting/ overwriting must be signed by the tenderer otherwise the rates in r/o that particular item may not be considered.

8. Each and every page of the tender must be numbered and signed by the tenderer along with seal of the firm.
9. Security Deposit:- If bidder is awarded purchase order letter, The bidder should submit Bank Guarantee from a nationalized bank of 10% of the cost of the Equipments indemnifying the RMRIMS against all losses incurred by the RMRIMS during the guarantee period i.e. 24 months from the date of installation.
10. The bidder should clearly indicate the guarantee/ warranty status of each item i.e. main equipment, standard accessories, optional etc. (Consumables/Non-consumable items etc.). Current rate list of all replacements must be submitted in the price bid.
11. **Gurantee/ Warranty: The bidder will give a comprehensive warranty of trouble free functioning of 36 months including spares. After 36 months the firm will provide maintenance services free of cost for another 24 months and institute will pay only for spares and accessories. After 5 years, the firm has to provide AMC for a minimum period of five years with an undertaking even if the manufacturer/company is sold/transferred/merged with another company and the service will not be interrupted. This undertaking has to be submitted after satisfactory installation along with the bills. Firms violating the warranty/guarantee clause are liable for proceeding of black-listing.**
12. THE RATES QUOTED WILL BE TAKEN AS FIRM AND FINAL.
13. The tenderer are bound to supply the store during the validity of tender at the approved rates.
14. The firms may be asked to deliver the goods in instalments/ fixed interval against the order of the full year. In case firm fails to deliver the particular instalments at its scheduled time, this office reserves the right to procure the item in the open market and the excess expenditure incurred will have be borne by the company.

15. EXCLUSIVE RIGHT OF DIRECTOR:-

Director, RMRIMS, Patna has the full and exclusive right to accept or reject any or all the tenders without assigning any reasons, whatsoever. No enquire, verbal or written shall be entertained in respect of acceptance/ rejection of the tender.

Administrative Officer