

Ph. No. Office : 011-25221059  
 Fax :011- 25225546  
 Email : acri.delhi@gmail.com  
 acri-delhi@nic.in

दूरभाष सं. 011-25221059  
 फैक्स सं. 011-25225546  
 ईमेल: acri.delhi@gmail.com  
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**केन्द्रीय आयुर्वेदीय हृदयरोग अनुसंधान संस्थान,**  
**पंजाबी बाग (पश्चिम), रोड नं. 66, नई दिल्ली- 110026**  
 अधीनस्थ केन्द्रीय आयुर्वेदीय विज्ञान अनुसंधान परिषद्, आयुष मंत्रालय, भारत-सरकार  
**Central Ayurveda Research Institute for Cardiovascular Diseases,**  
 Punjabi Bagh (West), Road No. 66, New Delhi - 110026  
 Under Central Council for Research in Ayurvedic Sciences, Ministry of AYUSH, Govt. of India

F.No.4-47/ 2017-CARICD/Admn/120

Dated: 1/6/18

**Sub: Tender for Purchase of Computed Radiography (CR) System in CARICD, New Delhi.**

The CARICD invites sealed quotations from reputed, financially sound and experienced firms for "**Purchase of Computed Radiography (CR) System**".

2. **General information about the tender:-**

a)	Tender Reference No.	F.No.4-47/ 2017-CARICD/Admn
b)	Last date and time for receipt of Tenders	26/06/2018 upto 2.00 PM
c)	Time and date of opening of Technical Bid	26/06/2018 at 2.30 PM
d)	Place of opening of Tenders	Conference Hall, Ground Floor, CARICD, Road No.66, Punjabi Bagh (West), New Delhi-110026

3. The Tender shall be submitted in two bid system, Technical Bid and Financial Bid:-

- Technical bid (as per Annexure-I) consisting of all technical details; and
- Financial bid (as per Annexure-II)

Technical Bid and the Financial Bid should be sealed by the bidder in separate covers , each to be superscribed as such, and both these sealed covers are to be put in a bigger cover which should also be sealed and duly superscribed "**Purchase of Computed Radiography (CR) System**". The sealed Tenders may be handed over personally in the room of P.S. to Director on the ground floor and obtain receiving for the same or sent by post at the aforesaid address by the due date and time. Tenders received late will be rejected outright.

4. The tenders shall be subject to the following conditions:-

- The rates should be firm for a period of six months from the date of opening of tender and should be given in the enclosed format as per Annexure II (Financial Bid).
- Each bidder should submit an EMD of `10,000/- (**Rupees Ten Thousand only**) along with the Technical bid as given Annexure-I. EMD should be in the form of Demand Draft drawn in favour of ACRI, New Delhi. The E.M.D. will be returned to the unsuccessful bidders after the bids are finalized.

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- iii. The Technical Bid must contain information/documents prescribed in this tender notice at Annexure-I and each document should be signed by the authorized signatory of the bidding firm/agency.
- vi. The bidder must furnish list of clients in Govt./Semi Govt. Sectors with address, name of contact person and contact numbers of the organization where they have supplied such equipment.
- v. The bidder should furnish an **Undertaking** that they not have been **blacklisted** by any Govt./Semi Govt. / Statutory Body.
- vi. The bidding firm must have dealership certificate, GST No. and PAN number (copies of the Certificates/Card should be enclosed as a proof), if the same is applicable to them.
- vii. The bidder shall quote the rate for said equipment (in Indian Rupees) in the 'Proforma for Financial Bid' attached with this tender notice at Annexure-II.
- viii. The specification of said equipment may be seen at Annexure-III. A copy of Annexure-III is required to be signed by the Authorized signatory and enclosed along with other documents of the Technical Bid is confirmation of the fact that the equipment offered conforms to the required specification.
- ix. The firm should not handover execution of order to any other/sister firm(s) and in such a case it will amount to violation of contract and may entail cancelation of contract and forfeiture of E.M.D.
- x. The tenders will be opened on stipulated date and time in the presence of the tenderers or their authorized representatives who may like to be present.
- xi. If any tenderer withdraws his tender before the expiry of the period fixed for keeping the rates firm for acceptance, the earnest money, if any, deposited will be forfeited and no correspondence in this regard will be entertained thereafter.
- xii. In case where a successful tenderer, does not supply the item in full or in time the Institute may at its discretion purchase the item from the next higher tenderer and the loss, if any, caused to the Institute due to increased rates shall be borne by the defaulting tenderer.
- xiii. Director, CARICD, has every right to reject/accept any bid without assigning any reasons.
- xiv. In the case of the firm selected for supply of CR System, the EMD will be adjusted partly against the Performance Guarantee which will be between 5% to 10% of the cost of the equipment.
- xv. Firms which had submitted a quotation in response to Institute's tender dated 17.04.2018 for Computed Radiography system and intend to submit a quotation in response to this Tender Notice also, need not furnish EMD again as the one submitted by them earlier is sufficient.
- xvi. Disputes, if any, shall be subject to the jurisdiction of Delhi.

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Director  
CARICD, New Delhi  
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**TECHNICAL BID**

M/s. \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_  
 (Name, address Landline and Mobile Nos.  
 of the bidding firm/agency firm/ agency):-

SI. No.	Documents kept in the Technical Bid envelope	Whether enclosed (The firm would write Yes OR No in respect of each )
1.	EMD Amount	
2.	Copy of Registration/License and other documents as proof of trade in supply of Computed Radiography (CR) System	
4.	Self certificate in respect of not being blacklisted by any Govt. /Semi. Govt./Statutory Body	
5.	Details & copy of GST No., and PAN, if applicable to the firm	
6.	Is the specification of equipment being offered as per Annexure-III	

It is hereby declared that the Terms & Conditions of the CARICD NIT No. 4-47/2017-CARICD/Admn, dated \_\_\_/\_\_\_/\_\_\_\_\_ are fully acceptable to our firm/agency.

(To be signed by the Authorized Signatory  
 of the Firm/Agency with Name and Stamp)

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**Annexure-II**

**Financial Bid**

<b>SI. No.</b>	<b>Particulars</b>	<b>Amount</b>
1.	Cost of equipment (Exclusive of all taxes, Installation, Transport charges etc.) for delivery at the Institute address	
2.	Applicable Taxes, with break-up of each in % terms and also in whole Rupees	
3.	Installation, transport and other charges with break-up of each in whole Rupees	
Total Cost		

(To be signed by the Authorized Signatory)  
of the Firm/Agency with Name and Stamp)

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**Specification of Computed Radiography (CR) System****SPECIFICATIONS OF EQUIPMENT FOR THE EQUIPMENT MENTIONED IN SCHEDULE OF REQUIREMENT:**

- a) Image recording system (cassettes & reading plates)
  - b) Image reading system (reader/digitizer)
  - c) Identification & CR processing workstation.
  - d) Dry imager.
1. **Image recording system system (cassettes & imaging plates).**  
 The following sizes of radiography cassettes along with image plates should be supported by the unit.
- a. 35 cm X 43 cm or 14" X 17" : 2nos
  - b. 24 cm X 30 cm/or 10" X 12" : 2nos
2. **Image reader (CR reader/ digitizer)**
- a) The CR reader / digitizer should be able to process 60 image plates/hr or more of the largest size cassette
  - b) It should have a resolution of 5 pixels/mm (minimum) for standard resolution cassettes & 10 pixel /mm (minimum) for high resolution cassette reading.
  - c) Gray scale resolution: CR reader / digitizer should have a minimum resolution of 12bits/pixel for images sent to CR processing station.
3. **Identification Station & processing serve**
- a) The processing station must have 2GB RAM, at least one 500 GB HDD in RAID configuration and 17 inch or more clinical grade monitor. The PC hardware and monitors must be from reputed brands like DELL, HP, and BARCO or equivalent. The monitor should have a wide viewing angle and it should be with at least 1.3 MP resolution.
  - b) Processing server capable of identification of patient demographics to the acquire image will be preferred, else a separate identification station must be provided.
  - c) The server and/or ID station must be DMWL (DICOM modality work list) compliant to access patient and study data from HIS or RIS.
  - d) It should provide display of acquire images with greater details of demographics viz. patient/ study listing for easy access
  - e) The server must proved full amount of post processing features viz. geometric correction, window level algorithms, annotation like markers, predefined text, drawing lines and geometrical shapes, multi-scale image processing, measuring distance and angles, shuttering, histograms, zoom, grey scale reversal, edge enhancement, noise reduction, indication of gray scale saturation level, latitude reduction etc.
  - f) It should facilitate full fledged DICOM printing and should be able to print multiple formats of patient study.
  - g) Should be able to send DICOM image to DICOM workstation or PACS without loss of information
  - h) Should be equipped with DICOM CD writer for transferring image
  - i) Should be able to store image on external device viz. CD or pen drive etc.
  - j) The system should face a facility to indicate over/under exposure in the preview screen. Kindly specify the preview time.

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**4. Dry Laser Imager:**

- a) The system must have a dry laser imager.
  - b) It must be DICOM 3.0 compatible allowing multiple modalities to be connected at a time.
  - c) The system must be able to print atleast 60 films/hr or the largest size.
  - d) The system must deliver its first film within 80 seconds from the request sent.
  - e) The imager must have spatial resolution of 500 ppi.
  - f) The system must have contrast resolution of 12 bits/pixel or more. The system must have 2 online film sizes and should be capable of printing any of the 8"x10", 10"x12", 11"x14" or 14"x 17" films . It must be user configurable.
  - g) The imager should support daylight loading of films.
5. Suitable UPS back up must be provided for 30 minutes backup for the whole system.
  6. The firm should attach detailed installation list alongwith users complete address and telephone number.
  7. Additional Sepciality software/hardware if any should be quoted separately as optional.
  8. The availability of the above mentioned features and technical specification must be substantiated with authentic published documents from manufacturer or regulatory bodies.
  9. The unit should be United State Food and Drug Administration FDA or conformite Europeenne (CE) approved.
  10. The successful bidder will have to ensure onsite training of end users after installation of the unit.
  11. A warranty period of 2 years for the complete system from the date of Installation.
  12. The rate of the films and type of films should be clearly quoted in subsequent years.
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(To be signed by the Authorized Signatory  
of the Firm/Agency with Name and Stamp)

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