

**Tender**  
**For**  
**Multidetector CT scanner**  
**At**  
**All India Institute of Medical Sciences, Jodhpur**

**NIT Issue Date** : **September 09, 2013**  
**Pre-Bid Meeting** : **September 18, 2013 at 05:30 PM.**  
**Last Date of Submission** : **October 01, 2013 at 03:00 PM.**



**All India Institute of Medical Sciences, Jodhpur**  
Basni Phase - II, Jodhpur, Rajasthan-342005.  
Telephone: 0291- 2740532, email: [aoadmin@aiimsjodhpur.edu.in](mailto:aoadmin@aiimsjodhpur.edu.in)  
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Tender – Multidetector CT scanner

All India Institute of Medical Sciences (AIIMS), Jodhpur, Rajasthan, an apex healthcare institute being established by Parliament of India under aegis of Ministry of Health & Family Welfare, Government of India, invites sealed tenders for supply & installation of the following items at the institute. You are requested to quote your best offer along with the complete details of specifications, terms & conditions.

**ANNEXURE 'A'**

S.No	NIT No.	Qty	EMD (in Rs.)	Item Description
1.	Admin/General/247/2013-AIIMS.JDH	1	10,00,000	Multidetector CT scanner

(Refer Specifications Details as per Annexure-'B')

Quotation should be sealed and superscribed with tender number and address to:

“Administrative Officer  
All India Institute of Medical Sciences, Jodhpur  
Basni, Phase-II  
Jodhpur-342005, Rajasthan”.

The sealed quotations should reach the Institute, latest by October 01 at 03:00 PM and it will be opened on same day at 05:30 PM in the Project Cell, Residential Complex, AIIMS, Jodhpur of the Institute in the presence of the bidder(s) or their authorized representative(s), who will present at the scheduled date and time.

**Terms & Conditions:**

- 1. Earnest Money Deposit:** The bidder shall be required to submit refundable amount as Earnest Money Deposit (EMD) and a non-refundable tender fee for an amount of **1,000/- (Rupees One Thousand only)** for each NIT by way of demand drafts only as mentioned in Annexure 'A'. The demand drafts shall be drawn in favour of **“All India Institute of Medical Sciences, Jodhpur”**. The demand drafts for earnest money deposit must be enclosed in the envelope containing the technical bid.

The EMD of the successful bidder shall be returned after the successful completion of contract / order and for unsuccessful bidder(s) it would be returned after award of the contract. Bid(s) received without demand drafts of EMD shall be liable for rejection.

The firms who are registered with National Small Industries Corporation (NSIC) / OR Small Scale Industrial (SSI) are exempted to submit the EMD (Copy of registration must be provided alongwith).

- 2. Rate:** Rates should be quoted in Indian Rupees (INR) on DOOR Delivery Basis at AIIMS, Jodhpur, Rajasthan, Inclusive of all the Charges, with break-ups as:
  - Basic Cost.
  - VAT /CST as applicable.
  - Total Cost (F.O.R at AIIMS Jodhpur).

- 3. Validity:** The quoted rates must be valid for a period for 120 days from the date of closing of the tender. The overall offer for the assignment and bidder(s) quoted price shall remain unchanged during the period of validity. If the bidder quoted the validity shorter than the required period, the same will be treated as unresponsive and it may be rejected.

In case the tenderer withdraws, modifies or change his offer during the validity period, bid is liable to be rejected and the earnest money deposit shall be forfeited without assigning any reason thereof. The tenderer should also be ready to extend the validity, if required, without changing any terms, conditions etc. of their original tender.

- 4. Delivery & Installation:** The items shall be delivered within 30 days of issue of supply order at AIIMS, Jodhpur. Satisfactory installation / commissioning and handover of the items will be completed within two weeks from the date of receipt of the goods at the AIIMS, Jodhpur premises. The successful tenderer will also provide required training for supplied items at AIIMS-Jodhpur.

The goods should be manufactured after adoption of latest technology.

- 5. Sample:** AIIMS Jodhpur reserves the right to ask the tenderers for submitting the sample of each item for which rates have been quoted, Technically Qualified Bidders may be asked to submit samples along with their quoted items nos. and their firm name without indicating any prices before opening of Financial Bid to AIIMS, Jodhpur for Inspection.

- 6. Guarantee / Warrantee Period: For the equipment value upto Rs. 5 Lakh:** The Tenderers must quote for 2 years comprehensive warranty (Including all Spares, Accessories and Labour) from the date of completion of the satisfactory installation. The warranty charges shall not be quoted separately otherwise the offer shall be summarily rejected. Also the bidders are requested to submit their quote (Rates) for subsequent 3 years Comprehensive Maintenance Contract (CMC) (Including All Spares, Accessories and Labour). Failure to comply this condition will entail the rejection of the bids. The price comparison shall be taking into account on basic price and post warranty CMC.  
**CMC Charges will be payable separately at the time of start of CMC.**

- 7. Guarantee / Warrantee Period: For the equipment value above Rs. 5 Lakh:** The Tenderers must quote for 5 years comprehensive warranty (Including all Spares, Accessories and Labour) from the date of completion of the satisfactory installation. The warranty charges shall not be quoted separately otherwise the offer shall be summarily rejected. Also the bidders are requested to submit their quote (Rates) for subsequent 5 years Comprehensive Maintenance Contract (CMC) (Including All Spares, Accessories and Labour). Failure to comply this condition will entail the rejection of the bids. The price comparison shall be taking into account on basic price and post warranty CMC.

- 8. Performance Security:** The supplier shall require to submit the performance security in the form of irrevocable Bank Guarantee (BG) / or Fixed Deposit Receipt (FDR) issued by any Nationalised Bank for an amount of which is equal to the 10% of the order value and should be kept valid for a period of 60 day beyond completion of all the contractual obligation including CMC period.

**9. Payment Term:**

- 90% payment of the total order value shall be released after the successful installation/ commissioning of the ordered goods against the submission of the test report.
- Balance 10% of the order value shall be released after the submission of the performance security.

**10.** Bidder shall submit a copy of the tender document and addenda thereto, if any, with each page of this document should be signed and stamped to confirm the acceptance of the entire terms & conditions as mentioned in the tender enquiry document.

**11.** Signed & stamped compliance sheet of the technical specification of the goods with technical printed literature must be enclosed with the bid.

**12.** After due evaluation of the bid(s) Institute will award the contract to the lowest evaluated responsive tenderer.

**13.** Conditional bid will be treated as unresponsive and it may be rejected.

**14.** The Institute reserves the right to accept in part or in full or reject any or more quotation(s) without assigning any reasons or cancel the tendering process and reject all quotations at any time prior to award of contract, without incurring any liability, whatsoever to the affected bidder or bidder(s).

**15. Quantity:** The quantity of item given in the tender is tentative, which may be increased or decreased as per the institute's requirement.

**16. Applicable Law:**

- The contract shall be governed by the laws and procedures established by Govt. of India, within the framework of applicable legislation and enactment made from time to time concerning such Commercial dealings / processing.
- Any disputes are subject to exclusive jurisdiction of Competent Court and Forum in Jodhpur, Rajasthan, India only.
- The Arbitration shall be held in accordance with the provisions of the Arbitration and Conciliation Act, 1996 and the venue of arbitration shall be at Jodhpur. The decision of the Arbitrator shall be final and binding on both the parties.
- Force Majeure: Any delay due to Force Majeure will not be attributable to the supplier.

**"PRE –BID Meeting" with the intending bidders shall be held on 18th Sep 2013 from 03:00 P.M. onwards at AIIMS, Jodhpur.**

## Specifications

### Annexure B

S.No	Tender Name	Specifications	Qty
1.	<b>Multidetector CT scanner</b>	<p>The product offered should be a high end model under current production. The scanner should be capable of comprehensive whole body imaging including cardiac, abdomen, neuro and vascular imaging applications and true isotropic volume acquisition. It should also be capable of 3-D reconstructions at fast speeds, quantitative calcium scoring in the vessels using all documented quantification algorithms, 3-D image display during acquisition on-line as well as real time, 3-D vessel imaging with feasibility for volume rendering.</p> <p>Kindly note that if new technological developments occur and an upgraded system becomes available between the notification of this tender and the time of finalization of the bid, then the newer upgraded version shall be supplied at the rates quoted. The model quoted should be, AERB Type approved and US FDA / European CE certified.</p> <p>The offer should meet the specifications as followed:</p> <ol style="list-style-type: none"> <li><b>1. Gantry:</b> <ol style="list-style-type: none"> <li>a. The unit to have low voltage slip rings incorporated in the gantry.</li> <li>b. The Minimum scan time for a 360 Degree rotation of the gantry should be less than or equal to 0.40 seconds. (400milli seconds).</li> <li>c. The gantry should have a minimum tilt of 30 degrees(with 0.5 degree increments) on either side and remote tilt should be available as standard.</li> <li>d. The gantry should be provided with user control panels on either side for easy positioning.</li> <li>e. The minimum slice thickness on data acquisition should be 0.63 mm or less.</li> <li>f. The Gantry should have Positioning Laser lights in transaxial, sagittal and coronal planes. The positioning accuracy of the lights at the centre of gantry should not be more than <math>\pm 1</math> mm.</li> <li>g. Gantry aperture should be at least 70 cm diameter.</li> </ol> </li> <li><b>2. X-ray generator :</b> <ol style="list-style-type: none"> <li>a. The X ray Generator should be compact and inbuilt within the Gantry.</li> <li>b. It should be of high frequency type with power output of 70 kW or more.</li> <li>c. The mA range available should be between 20 to 600 mA or more with increments in steps of not more than 10 mA.</li> <li>d. Kv range should be 80kV-130kV or more.</li> </ol> </li> <li><b>3. X-ray tube:</b> <ol style="list-style-type: none"> <li>a. The tube should be dual focus .Please mention focal spot sizes according to IEC 60336 standards.</li> <li>b. It should have a heat storage capacity of 6.3 million heat units (MHU) or more.</li> <li>c. The cooling rate should be at least 800 Kilo heat units (KHU) per minute.</li> <li>d. Kindly mention the expected tube life in the following three parameters:               <ol style="list-style-type: none"> <li>i. Number of exams.</li> <li>ii. Number of gantry rotations.</li> </ol> </li> </ol> </li> </ol>	01

		<p>iii. Number of years. Kindly attach proof(s) to validate the claim. The tube with higher documented life will be preferred.</p> <p><b>4. Detection system:</b></p> <ol style="list-style-type: none"> <li>The Detector Offered should be Solid State. Specify the Material.</li> <li>The 64 slice per rotation should be possible with the detectors in 0.63 mm Mode.</li> <li>The Systems should have 64 or more Physical Rows of the detector.</li> <li>Specify the Fan Angle of the X rays and the geometry.</li> <li>The detectors should not require frequent calibration.</li> <li>Mention the number of detectors elements and detector reference elements per row.</li> <li>Kindly specify if the scanner has the option for up gradation to 128 row scanners. Current market price for the up gradation process to be quoted separate from the main price bid.</li> </ol> <p><b>5. Couch:</b></p> <ol style="list-style-type: none"> <li>The patient table offered should have a minimum load bearing capacity of at least 200 kG.</li> <li>The Minimum table top height should not be more than 50 cms from the floor level for easy transport of trauma patients.</li> <li>The Floating table top width should be at least 42 cms for better comfort.</li> <li>The range of metal free scan should be at least 150 cms.</li> <li>The vertical range should be at least 55 cms ( max height — min height ).</li> <li>Specify the reproducing accuracy of the table.</li> <li>Remote movements of the Patient Couch from console should be standard.</li> <li>Foot switch for couch movement must be present.</li> </ol> <p><b>6. Scanning capabilities:</b></p> <ol style="list-style-type: none"> <li>Maximum continuous scan time during spiral acquisition time should be at least 100 sec.</li> <li>Maximum helical scan coverage using a 1 mm imaged slice thickness and a pitch of 1.5 should be 1450 mm or more.</li> </ol> <p><b>7. Scanned projection radiography (SPR):</b></p> <ol style="list-style-type: none"> <li>The maximum length of the SPR should be at least 1500mm.</li> <li>Angular position of the x-ray tube must be available for SPR.</li> <li>Kindly mention if real time display of the SPR during its acquisition is a standard feature.</li> </ol> <p><b>8. Acquisition parameters:</b></p> <ol style="list-style-type: none"> <li>Mention the kV steps.</li> <li>mA range and step size to be mentioned.</li> <li>Mention the maximum mA for each kV</li> <li>The scan field of view (FOV) in acquisition mode should be at least from 200 mm to 500 mm with intermediate Steps for scanning different anatomies.</li> </ol> <p><b>9. Automatic exposure control and dosimetry:</b></p> <ol style="list-style-type: none"> <li>The unit must have mA adjustment along the z-axis.</li> <li>The unit must have mA adjustment for patient size.</li> <li>The unit must have mA modulation during rotation.</li> </ol>	
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		<p>d. Option for automatic dose calculation after each exam should be a standard feature.</p> <p><b>10. Image reconstruction:</b></p> <p>a. <b>Parameters:</b></p> <ol style="list-style-type: none"> <li>i. Reconstruction matrices must be 512 x 512 or better.</li> <li>ii. Minimum reconstruction interval of images during helical scanning must be 0.1 mm or better.</li> </ol> <p>b. <b>Functionality:</b></p> <ol style="list-style-type: none"> <li>i. Mention the prospective reconstructions that can be set up in the protocol.</li> <li>ii. There should be no delay in scanning and reconstruction when performed concurrently.</li> <li>iii. Simultaneous scanning and archiving and/or hard copying must be possible.</li> <li>iv. Simultaneous scanning and transfer to second console/workstation must be possible.</li> </ol> <p>c. <b>Performance:</b></p> <ol style="list-style-type: none"> <li>i. Fastest reconstruction rate should be 15 images per second or better.</li> </ol> <p><b>11. System start up and calibration:</b></p> <ol style="list-style-type: none"> <li>a. Total time from stand-by mode to scanning in an emergency should not be more than 1 min.</li> <li>b. Mention the tube warm up time and recommended tube warm up frequency.</li> <li>c. The detectors should not require frequent calibration. Kindly mention the recommended frequency for calibration.</li> </ol> <p><b>12. Image quality:</b></p> <ol style="list-style-type: none"> <li>a. <b>Spatial resolution:</b> In plane resolution for sharpest clinical algorithm must be 15 lp/cm or better at a MTF of 0.1(specify the phantom used, scan time, mA, dose and slice thickness).</li> <li>b. <b>Low contrast resolution</b> using a CATPHAN phantom should be equal to or better than 5 mm at 3 HU (specify the scan time, mA, filter for image reconstruction, scan field, dose and slice thickness).</li> <li>c. <b>CT number accuracy (water)</b> should be equal to or better than <math>\pm 4</math>HU.</li> </ol> <p><b>13. Operator console :</b></p> <ol style="list-style-type: none"> <li>a. The operator console should have two 19 "(diagonal size) flat LCD monitors offered as a standard with one monitor for scanning and the other for advanced processing.</li> <li>b. Usual range of CT numbers displayed on the operator console should be from -1024HU to +3071HU or better.</li> <li>c. CT dose index (CTDI) and Dose Length Product (DLP) should be displayed on the operator console after each scan.</li> </ol> <p><b>14. Workstations:</b> Two independent workstations should be offered with the system and they should have the following broad features:</p> <ol style="list-style-type: none"> <li>a. Each workstation to have two 19" (diagonal size) LCD monitors with colour display.</li> <li>b. The screens to have full flat screen, LCD display. Alternatively, non-interlaced monitors in which the image refresh rate is instantaneous and the image is flicker free (progressive display type) should be provided.</li> <li>a. Screen resolution to be 1.2 megapixel or more.</li> <li>b. Image area matrix dimensions to be 1024 x 1024 or more.</li> </ol>	
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		<ul style="list-style-type: none"> <li>c. CPU speed should be 3 GHz or more.</li> <li>d. The computer RAM supplied as standard should be 4GB or more with maximum RAM to be 8 GB or more.</li> <li>e. Each system to have 512 GB or more of disc storage capacity supplied as standard. Also mention the total maximum hard disc storage capacity.</li> <li>f. External media options from the workstation(s) should include DVD and CD.</li> <li>g. Speed of connection to networks to be at least 1000 Mbits/sec.</li> <li>h. Thin client solution for networking the workstations to be provided by the vendor. This should include full access to workstation capabilities or at least basic MIP and MPR.</li> <li>i. Remote and external access to workstations should be possible with a VPN connection at no additional cost. Kindly mention the license fees for three users within the price bid. Also fees/user for further licenses should be quoted as separate. The price for same would be frozen for a period of three years from the date of installation.</li> <li>j. Software for MPR (multiplanar reconstruction), angiography, volume rendering, virtual bronchoscopy, virtual endoscopy, MIP (maximum intensity projection) should be preloaded on the workstation systems.</li> <li>k. It should be possible to merge/compare patient exams on the workstation console.</li> <li>l. Entire range of clinical options for CT in oncology, cardiology, neurology, orthopedics, neurology, vascular imaging available with the vendor should be preloaded on the provided workstations. Organ volumetry should be offered within this package.</li> </ul> <p><b>15. Main computers:</b></p> <ul style="list-style-type: none"> <li>a. <b>Console computer:</b> <ul style="list-style-type: none"> <li>i. Maximum available RAM should be offered as the standard and it should not be less than 20GB.</li> <li>ii. Specify the type and speed of CPU.</li> </ul> </li> <li>b. <b>Reconstructor:</b> <ul style="list-style-type: none"> <li>i. Maximum available RAM should be offered as the standard and it should not be less than 6 GB.</li> </ul> </li> </ul> <p><b>16. Data management:</b></p> <ul style="list-style-type: none"> <li>a. <b>Storage(at scanner):</b> <ul style="list-style-type: none"> <li>i. Maximum available hard disc capacity should be offered as standard and it should be 250 GB or more.</li> <li>ii. The hard disc storage limit for the images should be 150000 or more.</li> <li>iii. Mention the capacity for raw data storage.</li> </ul> </li> <li>b. <b>Image archive:</b> <ul style="list-style-type: none"> <li>i. Disc burning facility should be a standard feature.</li> <li>ii. Mention the external media options (DVD, CD, Memory stick, USB-HDD) offered as standard.</li> </ul> </li> </ul> <p><b>17. Workflow/connectivity:</b></p> <ul style="list-style-type: none"> <li>a. <b>Image transfer:</b> <ul style="list-style-type: none"> <li>i. Rate of transfer of 512 x 512 images from the scanner to workstation should be 10 images per second (ips) or more.</li> <li>ii. Rate of transfer of 512 x 512 images from the scanner to PACS should be 10 ips or more.</li> <li>iii. It should be possible to transfer images from</li> </ul> </li> </ul>	
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		<p>workstation to PACS and vice versa at the rate of 10 ips (512 x 512 images) or more.</p> <p>b. <b>System should have the following DICOM 3.0/HL-7 compatible services on the scanner/main console and the workstation :</b></p> <ol style="list-style-type: none"> <li>i. Storage.</li> <li>ii. Print.</li> <li>iii. Query/retrieve.</li> <li>iv. Modality worklist management.</li> <li>v. Storage.</li> </ol> <p><b>18. Ancillary equipment:</b></p> <ol style="list-style-type: none"> <li>a. Lead glass (2 mm thickness/as per the AERB guidelines for the equipment): 150 x 100 cm.</li> <li>b. Radiation protection of CT area.</li> <li>c. Premium ultra light lead aprons: 4.</li> <li>d. Thyroid collars: 4.</li> <li>e. Gonadal shields: 2 each for male and female pediatric patients (total 4).</li> <li>f. Lead apron hanger: 1.</li> <li>g. One State-of-the-art dual head dual head pressure injector with 250 units (of two syringes each: total 500 syringes) disposable syringes (200 ml capacity). Quote the rate of syringes for future supply.</li> <li>h. One film printer with dry chemistry with: <ol style="list-style-type: none"> <li>i. Resolution: 16 bits/ 600 dpi or more with minimum three ports.</li> <li>ii. Should Support Multiple Film Sizes: one of which must be 14"x17".</li> <li>iii. DICOM 3.0 Compatibility.</li> </ol> </li> <li>i. One premium quality latest configuration film digitizer (scanner).</li> <li>j. One premium quality portable LCD projector with projection screen with the requisite accessories.</li> <li>k. One online UPS of suitable rating should be supplied for the complete system (Gantry and computer system, with at least 30 minutes back up).</li> <li>l. An integrated intercom and Automated Patient Instruction System (API) should be provided.</li> <li>m. One stand-alone laser guidance system for CT guided interventions. The system should be a ready to use unit, compatible with the offered CT unit. It should not require any separate workstation/new software.</li> <li>n. 1000 rewritable DVDs with institute logo should be provided (details of the logo will be provided by the Institute).</li> <li>o. One collapsible wheel chair with rubberized swivel wheels.</li> <li>p. Two LED based view boxes with adjustable illumination to view 6 films of 14" x 17" in each view box.</li> <li>q. Standard Patient positioning accessories and restraining devices - 02 sets.</li> <li>r. One anesthesia machine with multi parameter monitor to ensure smooth completion of cases under general anesthesia.</li> <li>s. Two Light weight stainless steel stretchers with wheel locks.</li> </ol> <p><b>19. Advanced reconstruction and display:</b> All post processing tools available with the vendor must be made available at the time of installation. Few of them are mentioned below for reference. All</p>
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		<p>software must be available at main console and workstations:</p> <ol style="list-style-type: none"> <li>a. Image zoom and pan, image manipulations, including averaging, reversal of grey scale values and mirroring, image filter functions including advanced smooth algorithm and advance bone correction.</li> <li>b. Real time multi-planar reconstruction of secondary views, with viewing perspectives in all planes.</li> <li>c. CT-Angiography, MIP (maximum &amp; minimum intensity projections), 3-D SSD(surface shaded display).</li> <li>d. Spatial alignment and visualization of two different data sets of one patient, generated on different modalities or with different acquisition times.</li> <li>e. Perfusion CT for Brain and other organs with all maps.</li> <li>f. Volume measurements.</li> <li>g. VRT.</li> <li>h. Dental and Bone CT software.</li> <li>i. Virtual angioscopy, preferably in both SSD and VRT images. Software for area or volume measurement with endoscopy package and advanced virtual colon package.</li> <li>j. Complete cardiac package with ECG gated studies (prospective and retrospective tagging). Cardiac review with analysis functions such as ventricular motion, short axis/ long axis view, regional wall motion studies, coronary angio, coronary tree extraction ,one touch volume rendering of the whole heart, ECG gated dose modulation, Calcium scoring.</li> <li>k. Image Fusion for images from all other sources.</li> <li>l. Advanced Vessel analysis: Specify the techniques.</li> <li>m. Lung nodule evaluation and lung perfusion defect detection. Fully automated tumor-tracking software with automated tumor volume calculation. Computer assisted reading should also be available.</li> <li>n. Liver segmentation display software in different colours, volumetry and virtual surgical plane identification</li> <li>o. Automatic bone removal facility: This should be possible for any region including head and neck, peripheral vessel etc. There should be facility for automated calcium extraction.</li> <li>p. 3-D virtual CT Endoscopy, Bronchoscopy and Colonoscopy.</li> <li>q. Software for phantom based bone mineral densitometry(BMD) to be present.</li> <li>r. A free comprehensive software upgrade guarantee for entire life of scanner must be provided.</li> </ol> <p><b>20. Installation requirements:</b></p> <ol style="list-style-type: none"> <li>a. Power supply requirements for the gantry and rest of the equipment should be specified.</li> <li>b. Mention the minimum floor load bearing requirement (<math>\text{kg/m}^2</math>).</li> <li>c. Mention the minimum floor area required for the gantry and couch (<math>\text{m}^2</math>).</li> <li>d. Mention the minimum floor area required for the control console (<math>\text{m}^2</math>).</li> <li>e. Mention the peak heat output from system during scanning (kW).</li> <li>f. Mention the air conditioning requirement for the gantry and console rooms (in Tonnes).</li> <li>g. Mention the peak power requirement during scanning (kVA).</li> </ol>	
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		<p>h. Mention the typical power requirement when not scanning (kVA).</p> <p>i. Mention the typical power requirement when in “stand-by” mode (kVA).</p> <p>j. Fire safety requirements: the following items should be included/installed by the vendor:</p> <ul style="list-style-type: none"> <li>i. Smoke Detector and Fire Alarm.</li> <li>ii. Gas Based Sprinkler(s).</li> <li>iii. Dry Type CO<sub>2</sub> Fire Extinguisher.</li> </ul> <p><b>21. Maintenance and support:</b></p> <p>a. <b>Service level options:</b></p> <ul style="list-style-type: none"> <li>i. Mention the standard hours for engineer call out.</li> <li>ii. 24 hour and weekend engineer call out should be offered as part of the standard CMC.</li> <li>iii. Tube and detector replacement should be offered as part of the standard CMC.</li> <li>iv. Main computers, monitors and workstations should be covered as part of the standard CMC.</li> <li>v. System should have built in remote service diagnostics.</li> <li>vi. The company should have a registered office for medical equipment maintenance in Jodhpur.</li> </ul> <p>b. <b>Standard service level:</b></p> <ul style="list-style-type: none"> <li>i. Median onsite call out response time should not exceed 6 hours.</li> <li>ii. Median parts delivery time should be same or next day.</li> <li>iii. The vendor should ensure quarterly on-site service for the duration of CMC.</li> <li>iv. Kindly mention clearly the elements of scanner/project which are not covered within the standard support/warranty.</li> </ul> <p>c. <b>Reliability:</b></p> <ul style="list-style-type: none"> <li>i. What is the expected life span of the product (assuming 45 hours/week of usage)?</li> <li>ii. What is the average tube life (mention in years and also number of scans)?</li> <li>iii. What is the expected detector life?</li> <li>iv. How long are the component supplies maintained (minimum expected is 10 years)?</li> </ul> <p><b>22. Supplementary information:</b></p> <ul style="list-style-type: none"> <li>a. Warranty: 60 months from the date of satisfactory installation. The warranty shall cover all the accessories, turnkey work including CT tube and all consumables.</li> <li>b. Comprehensive Maintenance Contract for next five years including all the accessories, turnkey work, Air conditioning and CT tube and all consumables.</li> <li>c. Instructions to the vendors/suppliers: All companies must give product data sheets confirming the specifications along with the tender. The compliance statement must be filled strictly under the heading given in the tender. Each specification corroborated in the compliance statement must give the page number where it is listed in the product data sheet. Incompletely filled/ambiguous information will not be considered.</li> <li>d. Vendors are requested to see the site for installation of the CT with prior permission from the institute.</li> <li>e. The vendor should also provide all the latest software and</li> </ul>	
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		<p>facilities for the quoted CT system that they will be exhibiting in the RSNA (Radiological Society of North America) conference of the year of installation. In addition please note that the equipment to be supplied should be latest equipment satisfying the tender specifications and any software up gradations until next 5 years (minimum) should be provided without any extra cost.</p> <p>f. AERB site approval: Vendors shall be responsible for getting AERB Site Plan approval prior to installation.</p> <p><b>23. Sustainability:</b></p> <p>a. Are there any known toxic components used in this scanner?</p> <p>b. Does the system use any gases classified as hazardous or under pressure?</p> <p><b>24. Background of the company:</b></p> <p>a. Specify the manufacturers and country of origin.</p> <p>b. Since how many years has the manufacturer been in the line of production?</p> <p>c. How many scanners of the quoted model have been supplied and installed in India and how many all over the world?</p> <p>d. Any adverse incident reports issued for this model?</p> <p style="text-align: center;"><b>Turnkey Requirements</b></p> <p>Turnkey should include the Planning, Civil, Electrical, Air-conditioning, interior and furniture work for CT scan and reporting area.</p> <p><b>Planning-</b> Planning for modification of existing area should be done as per equipment requirements with maximum comfort during work flow and compliance with AERB guidelines. It should be done in such a way that full view of patient should be visible from console room during scanning. Area for CT scan room, Console room, CT equipment room, patient preparation and Reporting room are to be planned. Total area is approximately 1500sq feet.</p> <p><b>Civil</b> -Modification of existing site is to be done as per plan approved by AIIMS Jodhpur and should be done with AERB requirements. Doors leading to CT examination room should be lead lined laminated doors with hard board wooden frames.</p> <p><b>Electrical</b>-Consignee will provide the power cable till existing equipment room. Further distribution shell be done by vendor .In case the existing power cable is not sufficient for equipment load then cable from LT panel to existing equipment room should be quoted on per mtr basis.</p> <p><b>Air conditioning</b>-Sufficient duct able air conditioning should be provided with backup provision for CT scan room, Console room, Equipment room and Patient preparation room.</p> <p><b>Interior</b> -Interior of floor, walls, false ceiling and lighting should be done matching with existing of Hospital. Floor and walls should be done with vitrified tiles up to false ceiling level. 6 feet x 6 feet luminous illusion ceiling light/ceiling mural to provide better visual comfort during scanning. The theme for the same would be decided in due course.</p> <p><b>Furniture</b>-Following furniture should be provided.</p> <ol style="list-style-type: none"> <li>1. Workstation table 2no.s</li> <li>2. Console table: 1 no.</li> <li>3. Ergonomic chairs for the console room: 6 no.</li> <li>4. The gantry and console room to have wall mounted wooden cabinets and almirahs for storage purpose.</li> </ol> <p>All wooden furniture should be laminated with mica and polished.</p> <p>Vendors can visit the site area with prior permission from the Institute office.</p>	
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**Annexure-C**

**Inviting of sealed quotations for supply and installation of Equipments for  
Radiology Department of AIIMS, Jodhpur**

**TECHNICAL BID**

Name of Firm/Contractor/Supplier	
Complete Address & Telephone No.	
Name of Proprietor/Partner/Managing Director/Director.	
Phone & Mobile No.	
Name and address of service centre near by Jodhpur.	
Whether the firm is a registered firm Yes/No (attached copy of certificate)	
PAN No. (enclose the attested copy of PAN Card)	
Service Tax No. (enclose the attested copy of Service Tax Certificate)	
VAT No. (enclose the attested copy of VAT Certificate)	
Whether the firm has enclosed the Tender Fees as per Annexure 'A'	
Whether the firm has enclosed the Bank Draft/Pay Order/Banker's cheque as Earnest Money Deposit as per Annexure 'A'	
Whether the Firm/Agency has signed each and every page of Tender/NIT	
Please provide full list of consumables with rates.	
Any other information, if necessary	

Authorized signatory of the bidder with seal.

**Annexure-D**

**Financial Bid**

(To be submitted on the letterhead of the company)

<b>S.No.</b>	<b>Item Description</b>	<b>QTY</b>	<b>Rate</b>	<b>Vat/ Tax</b>	<b>Amount</b>
1.	Multidetector CT scanner	01			

CMC Charges as applicable (excluding Service Tax)	
1 <sup>st</sup> Year	
2 <sup>st</sup> Year	
3 <sup>st</sup> Year	
4 <sup>st</sup> Year	
5 <sup>st</sup> Year	

1. I/We have gone through the terms & conditions as stipulated in the tender enquiry document and confirm to accept and abide the same.
2. No other charges would be payable by the Institute.

(Authorized signatory of the bidder with seal)