

Notice Inviting Tender

For

Supply & Installation of DIGITAL PANORAMIC X-RAY UNIT



File No : J-11015(025)/2014/S&P

Issue Date : 21-01-2015

Last Date of Submission : 10-02-2015, 12.00 NOON

Tender opening date (Technical bid):10-02-2015, 3.30 PM

**All India Institute of Medical Sciences,
Bhubaneswar**

Website:www.aiimsbhubaneswar.edu.in

Signature of Tenderer & Seal

All India Institute of Medical Sciences, Bhubaneswar

Email: info@aiimsbhubaneswar.edu.in
www.aiimsbhubaneswar.edu.in

All India Institute of Medical Sciences (AIIMS), Bhubaneswar, Odisha, an apex healthcare institute, established by an Act of Parliament under aegis of Ministry of Health & Family Welfare, Government of India, invites sealed tenders in two-bid system for supply of the following items at the institute. Intending Tenderers are requested to quote their best offer along with the complete details of specifications, terms & conditions. This proposal is subject to approval of standing Finance committee for the item wise budget 2014-15.

S.No.	Item Description	Quantity
1.	Digital Panoramic X-Ray Unit	01 (One)

(Refer Details as per Annexure-‘I’)

Tender(s) should be sealed and superscribed with tender number and address to:

“Administrative Officer
All India Institute of Medical Sciences,
Patrapada,
Bhubaneswar- 751019

The sealed Tender(s) should reach the Institute, latest by 10-02-2015 at 1200 hrs and the technical bid will be opened on 10-02-2015 at 03:30 PM in the Administrative Office, AIIMS, Bhubaneswar of the Institute in the presence of the bidder(s) or their authorized representative(s), who may remain present at the scheduled date and time. The financial bid of the technically qualified bidders shall be hosted in the website of AIIMS, Bhubaneswar. No paper publication shall however be made for opening of finance Bid.

Terms & Conditions:

- 1. Earnest Money Deposit:** The bidder shall be required to submit the Earnest Money Deposit (EMD) for an amount of ₹1,20,000/- (Rupees One Lakh Twenty Thousand only) by way of Bank Guarantee only and ₹2,000/- as tender fees drawn in favour of the “AIIMS Bhubaneswar” by way of demand drafts only. (TENDERS NOT ACCOMPANIED WITH EMD/BID SECURITY AND TENDER FEES ALONGWITH THE TECHNICAL BID SHALL BE SUMMARILY REJECTED). The bank guarantee 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. No claim shall lie against the Government/AIIMS, Bhubaneswar in respect of erosion in the value or interest on the amount earnest money deposit or security deposit. Bid(s) received without demand drafts of EMD shall be liable for rejection.

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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 along with).

- 2. Rate:** Rates should be quoted in Indian Rupees (INR) on F.O.R Basis at AIIMS, Bhubaneswar, Odisha, Inclusive of all the Charges, with break-ups as:

- Basic Cost.
- VAT /CST as applicable.
- Total Cost (F.O.R at AIIMS Bhubaneswar).

- 3. Validity:** The quoted rates must be valid for a period for 180 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. Warranty / Guarantee:** Bid must be quoted with five (05) year comprehensive on-site warranty / guarantee and it will be started from the date of the satisfactory installation / commissioning of goods, against the defect of any manufacturing, workmanship and poor quality of the components. Warranty would be followed by 5 year CMC (Comprehensive maintenance contract with spares) @ 3% of the cost of the Machine with 5% increment every year. Vendor would submit list of Consumables required for running the machine along with its cost. During the warranty and CMC period the supplier/ company should provide a minimum of 04 (four) preventive maintenance as routine services. After sales services must be provided in the city of installation. In situations requiring service or repair of the unit outside the city of installation, the expenditure on the account of this will have to be borne by the supplier.

- 5. Uptime guarantee:** The firm should provide uptime guarantee of 98% during warranty and CMC period, with acceptance of the penalty clause in case of failure to do so.

6. Downtime penalty Clause

During the comprehensive warranty period, the guarantee uptime of 98% of 365 days will be ensured. In case the down time exceeds the 2% limit penalty of extension of guaranty period by two days for each additional day of down time will be enforced. The vendor must undertake to supply all spares for optimal upkeep of the equipment for at least FIVE YEARS after handing over the unit to the Institute.

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If accessories/other attachment of the system are procured from the third party, then the vendor must produce cost of accessory/other attachment and the CMC from the third party separately along with the main offer and the third party will have to sign the CMC with the Institute if required. The principal supplier or their service partners are required to submit a certificate that they have satisfactory service arrangements and fully trained staff available to support the uptime guarantee.

7. FALL CLAUSE

If, at any time, during the said period, the supplier reduce the said prices of such Stores/Equipment or sales such stores to any other person/organization/Institution at a price lower than the chargeable, he shall forthwith notify such reduction or sale to the Director, All India Institute of Medical Sciences (AIIMS) Bhubaneswar and the price payable for the Stores supplied after the date of coming into force of such reduction or sale shall stand correspondingly reduced.

The supplier shall furnish the following certificate to Administrative Officer, AIIMS, Bhubaneswar.

"I/We certify that the Stores of description identical to the Stores supplied to the government under the contract against Tender herein have not been offered/sold by me/us to any other person/organization/Institution upto date of bill/the date of completion of supplies against all supply orders placed during the currency of the tender/rate contract at the price lower than the institute under contract /against tender".

- 8. Delivery & Installation:** All the goods ordered shall be delivered within **4 (Four)** week from the date of issue of supply order/ acceptance letter. All the aspects of safe delivery shall be the exclusive responsibility of the supplier. The acceptance of the Supply order should be furnished with 7 (seven) days from the date of issue failing which it shall be treated that the firm has accepted the Supply Order.

If the supplier fails to delivered, installation and commissioning of the goods on or before the stipulated date, then late delivery charges at the rate of 2% per week or part thereof exceeding 3 days of the total order value shall be levied subject to maximum of 10% of the total order value. (Excluding the date of issue of Supply Order / acceptance letter and date of delivery).

- 9. 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 days beyond completion of all the contractual obligation including CMC period.

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10. Payment Term:

- 70% payment of the total order value shall be released after the successful installation of the ordered goods against the submission of the test report & on furnishing of Performance security & execution of Contract Agreement.
- Balance 30% of the order value shall be released after one month after successful installation of the item and basing upon the report of satisfactory functioning to be furnished by the user department.

11. 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.

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

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

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

15. 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).

16. TENDER EVALUATION

Tenders evaluation will be done in **two stages**:

- a. Technical bid and
- b. Price bid.

Each bid to be submitted in separate sealed envelopes super-scribed as “Technical Bid” and “Price Bid” respectively. All these 2 envelopes should be put in another envelope marked as “**Tender for Digital Panoramic X-Ray Unit for AIIMS, Bhubaneswar**” sealed with sealing wax.

TECHNICAL BID:

The firm should submit the technical bid in a sealed cover separately super-scribed “**Technical Bid for Digital Panoramic X-Ray Unit**” along with Name and address of the Bidder. Technical bid should contain:

- a. The name of items with specification and makes/brands of the items, indigenous or imported with name of manufacturer & address must be enclosed.
- b. Literature and catalogues in support of items quoted must be enclosed.

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- c. Whether the items quoted is as per specification, if not the statement of deviation (Parameter wise) from the tender technical specification must be enclosed.
- d. Details about the
 - i. Past experience (in years).
 - ii. Spares & services after the sale of the equipment.
- e. Undertaking for providing CMC for 5 years after 5 years Warranty
- f. Undertaking by manufacturer of equipment for servicing the equipment & supply of spare parts whenever required at least for 5 years after completion of warranty/Guaranty.
- g. Name, Address, Phone & Fax No. of Service Centre at Bhubaneswar or nearby.

The Committee constituted by the Director will technically evaluate the items on the basis of specification as per Annexure I, make/brand quoted; literature enclosed, sample submitted wherever asked, the authority from manufacturer for the item etc. The items accepted technically will only be considered for price evaluation (price bid). Price should not be quoted with technical bid, otherwise the tender will be rejected without any correspondence.

PRICE BID:

Should be submitted in a separate sealed envelope super-scribed the word **“Price Bid for Digital Panoramic X-Ray Unit”** along with Name and address of the Bidder.

The price should indicate cost on mentioned at para/clause 2 above. Offers with price variation clause will not be accepted. The rates quoted in ambiguous terms such as “Freight on actual basis” or “Taxes as applicable extra” or “Packing forwarding extra” will render the bid liable for rejection.

17. Applicable Law:

- The contract shall be governed by the laws and procedures established by Government 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 Bhubaneswar, Odisha, 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 Bhubaneswar. 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.

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Annexure – I

SPECIFICATIONS FOR DIGITAL PANORAMIC X-RAY UNIT

1. Technical Specifications:

- 1.1 The digital panoramic X-ray unit should have option for recording panoramic radiographs and various cephalograms.
- 1.2 It should have option for wall-mounting or free standing.
- 1.3 The unit must have multiple arm joints enabling complicated movements for versatile imaging geometries.
- 1.4 The generator should be a microprocessor controlled having operating frequency of 80-150 kHz, maximum ripple 670 Vpp (0.4%, 84 kV), ultra short rise time (<5ms) and wide exposure parameters range (1-16mA/50-90kV).
- 1.5 The unit should be compatible with the line voltage of 100-240V~ ±10 %, 50 or 60 Hz and line current of 8 -15A and should have a power factor corrector to compensate the mains voltage fluctuations automatically.
- 1.6 Low patient radiation dose, minimum of 70% reduction in patient radiation as compared to analogue X-ray film.
- 1.7 The unit should be fully digital control and re-programmable.
- 1.8 The unit should have an interactive, informative and intuitive color TFT graphic user interface for technical factors and selected programs digitally displayed and for image preview.
- 1.9 The unit must have a microprocessor controlled self-diagnostic control system with clear help guiding to correct use and error messages announcing hardware or software problems.
- 1.10 The unit should be based on concept of open positioning i.e. free view to the patient from all directions, three positioning laser beams, easy access also for wheelchair patients and motorized patient positioning and temple supports.
- 1.11 The unit should have focal spot size of 0.5 x 0.5mm approximately, automatic four blade primary collimator, optimised image geometry and constant magnification (It should be adjustable form of focal trough), option for automatic compensation for the cervical vertebrae shadow.
- 1.12 There should be autofocus feature for making the positioning of the focal layer automatically. Also there should be option so that the user can monitor the suggested focal layer adjustment both on the control panel and on the image acquisition preview.
- 1.13 The unit should have two separate sensors one for panoramic imaging and one for cephalometric imaging. The sensor should be either CCD or CMOS (CCD sensor is preferred) with pixel size 40-50µm and the image pixel size should be in the range of 40 - 100µm. The spatial resolution should be in the range of 5-15 line pairs/mm for panoramic images and 5–10 line pairs/mm for cephalometric images.
- 1.14 There should be provision of Automatic Gain Control (AGC) to produce excellent image quality regardless the patient's tissue and bone thickness and Dental Image Contrast Enhancement (DICE) option to adjust and optimize the contrast of the image automatically and to bring out image details on the entire grey scale. The imaging software should be DICOM compatible.
- 1.15 The system should have fully automatic and software controlled soft tissue filter, automatic alignment for cephalometry and horizontal scanning.

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- 1.16 The imaging programs should include
 - a. Basic panoramic programs like standard panoramic program, lateral double TMJ program, PA double TMJ program, sinus (straight layer) program etc.
 - b. Advanced panoramic programs like horizontal segmenting, interproximal panoramic program, orthogonal panoramic program, bitewing panoramic program, lateral-PA double TMJ program, lateral multiangle TMJ program (left and right), PA multiangle TMJ program (left and right), PA non rotational sinus program and lateral non rotational sinus program etc.
 - c. Tomography like crosssectional, longitudinal and mixed crosssectional-longitudinal etc.
 - d. Various cephalometric views like lateral cephalogram, PA cephalogram etc.
- 1.17 There should be an option for up-gradation of the unit to the 3D cone beam computerized tomography.
- 1.18 The cephalostat should have automatic alignment of radiation source, functionally designed and easy-to use head positioner, swivelling nasal support, low absorption carbon fibre ear posts, magnification scale etc.
- 1.19 Image field should be of atleast 14 x 30 cm for panoramic and 24/27 x 18/30 cm for cephalometric images.
- 1.20 There should be a x- ray remote control for radiological image acquisition via the exposure button from outside the x-ray room.
- 1.21 Computer with LCD color monitor 20 inch screen with latest central processor, DVD-RW, 500 GB HDD, 4 GB RAM, laserjet printer and an UPS (1 KVA).
- 1.22 The installation work would include all civil and electrical works.
- 1.23 The equipment must carry 5 years warranty and subsequently 5 years of comprehensive maintenance contract (CMC). The price for each major part should be quoted separately.

2. Dry imager (for film printing)

- 2.1 The panoramic X-ray unit should be supplied with dry imager.
- 2.2 The dry imager should have spatial resolution of atleast 300-500ppi/dpi.
- 2.3 It should have contrast resolution of atleast 12 bits/pixel or more.
- 2.4 It should have provision for atleast 2 (two) online media sizes of 8" x 10" and 10" x 12".
- 2.5 Access time for first film should be less than 90 seconds.
- 2.6 The imager should be of DICOM compatibility.
- 2.7 The imager should be compatible with the line voltage of 100-240V~ ±10 %, 50 or 60 Hz and line current of 8 -15A.
- 2.8 There should be a monitor displaying the status of printing related information.

3. System Configuration Accessories, spares and consumables :

- 3.1 Supplier must provide 5 packets of 8" x 10" and 10 packets of 10" x 12" films for the dry imager at the time of OPG machine delivery and the expiry date of the film should be at-least for one year. Also the supplier should freeze the price of the printing films (8" x 10" and 10" x 12" films) for 5 years from the date of OPG machine delivery.
- 3.2 The panoramic unit should be supplied with two lead aprons, two thyroid collars and two gonadal sheaths.
- 3.3 Supplier must provide single use polythene sheath for OPG bite block (10000 number)

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4. Power Supply

- 4.1** Power input to be 220-240VAC, 50Hz fitted with Indian plug
- 4.2** Servo Voltage stabilizer of appropriate ratings meeting ISI Specifications.(Input 160- 260 V and output 220-240 V and 50 Hz).
- 4.3** The supplier should provide a UPS along with the OPG machine and the UPS should provide a power back up for at least 10-15 minutes for whole system.

5. Standards, Safety and Training

- 5.1** Should be US-FDA or CE approved product.
- 5.2** Manufacturer/ Supplier should have ISO certification for quality standards.
- 5.3** Installation and regular service and maintenance in every 3 months must be carried out through company trained / certified engineers.
- 5.4** Electrical safety for Panoramic x-ray unit should conform to standards for electrical safety IEC-60601 / IS-13450
- 5.5** The company trained / certified engineers have to train the technician and other staff members of the user department for at least 3 days following installation of the machine.

6. Documentation

- 6.1** User/Technical/Maintenance manuals to be supplied in English.
- 6.2** List of important spare parts and accessories with their part number and costing
- 6.3** Log book with instructions for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out.

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Annexure-II
Inviting of sealed Tender(s) for supply and installation of
Digital PanoramicX-Ray Unit at AIIMS, Bhubaneswar
TECHNICAL BID

Sl no.	Details / Particulars	Submitted (Yes/No)	Page No
A	Name & Address of Tenderer with phone number, email, name and telephone / mobile (Mention in Letter head)		
B	Specify you are Company /Proprietorship / Partnership firm (Mention in Letter head)		
C	Name of Proprietor /Partner/Managing Director/Director.		
D	Name, Address & designation of the authorized person for signing the bid documents. (Authorization Letter) (Mention in Letter head)		
E	Name and address of service centre near by Bhubaneswar.		
F	Whether the firm is a registered firm 'yes/no'(attached copy of certificate)		
G	PAN No. (enclose the attested copy of PAN Card)		
H	Please Provide last 2 year IT Return copy		
I	Sales/Service Tax No. (enclose the attested copy of Service Tax Certificate)		
J	VAT No. (enclose the attested copy of VAT Certificate)		
K	Whether the firm has enclosed the Bank Guarantee of ₹ 1,20,000/- as Earnest Money Deposit. And ₹ 2,000/- as Tender Fees (Demand Draft)		
L	Whether the Firm/Agency has signed each and every page of Tender/NIT		
M	Have you previously supplied these items to any government /reputed private organization? If yes, attach the relevant poof. <i>Please provide a notarized affidavit on Indian Non Judicial stamp paper of Rs.10/- that you have not quoted the price higher than previously supplied to any Government Institute / Organisation / reputed Private Organisation or DGS&D rate in recent past. If you don't fulfil these criteria, your tender will be out rightly rejected</i>		
N	Please submit a notarised affidavit on Indian Non judicial stamp paper of Rs.10/- that no case is pending the police against the Proprietor / partner or the Company (Agency). Indicate any convictions in the against the Company/ firm / partner. Please also declare that proprietor/firm has never blacklisted by any organization.		
N	Please provide full list of consumables & Catalogue of Equipment		
O	Any other information, if necessary		

Signature of the bidder with seal.

Signature of Tenderer & Seal

Annexure-III

Financial Bid

(To be submitted on the letterhead of the company / firm)

Sl. No	Name of Item	Quantity	Rate Per Unit	Vat/Taxes etc.	Amount (including All Taxes)
1.	Digital Panoramic X-Ray Unit	1			

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.

Signature of the bidder with seal.

Signature of Tenderer & Seal