

NO. G.17011/16/2015-HFW
GOVERNMENT OF MIZORAM
HEALTH & FAMILY WELFARE DEPARTMENT

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Dated Aizawl, the 14th Nov., 2016

TENDER NOTICE

Sealed Tenders in duplicates are hereby invited on behalf of the Governor of Mizoram from reputed and bonafide firms/ distributors/ agents and Manufacturers or their authorized dealer for the **supply, installation and commissioning of “16 Slice C.T Scan Machine at Civil Hospital, Lunglei”** which will be received by the Director, Hospital & Medical Education, Mizoram, Aizawl on or before **15th Dec, 2016** upto **1:00 PM** under the terms and conditions laid down below. Quotations are to be opened by Director, Hospital & Medical Education, Mizoram, Aizawl or his authorized representatives at **1:30 PM** on the same day. The Tenderers or their representative may also be present at the time of opening of the Quotations, if they so desire.

TERMS & CONDITIONS

1. Tenders are invited from firms and individuals who are bonafide firms / Distributors / agents and Manufacturers or their authorized dealers only.
2. Tenders should be submitted in the prescribed form only, which can be obtained from the office of the Director, Hospital & Medical Education.
3. Each tender must be accompanied by Earnest Money deposit of 2% of the quoted total value in the form of Deposit at Call in original, from any Nationalized Bank of India or Postal Saving Certificate duly pledged in favour of Director, Hospital & Medical Education, Mizoram, Aizawl and be submitted with the “**Technical Bid**”.
3. (a) The bids should be superscribed as “**Tender for Supply, Installation and Commissioning of 16 Slice C.T. Scan Machine at Civil Hospital, Lunglei**” duly addressed to the Director, Hospital & Medical Education, Government of Mizoram, Aizawl and full postal address and phone No. at the bottom. The technical bid and the financial bid should be sealed in separate covers.
 - a. **Technical bid** will consist of all technical details along with commercial terms and conditions and
 - b. **Price bid** indicating price for the items mentioned in the technical bid.
4. Each such bid should be computer printed and all pages should be signed with date by the authorized signatory clearly indicating the name of the signatory and should be affixed with official seal of the tenderer failing which the relevant tender shall be marked violated terms and conditions. Corrections, if any, should be initialed, dated and stamped with the official seal of the tenderer/bidder.
5. Performance Statements/Certificates from previous installations must be enclosed with the “**Technical Bid.**” Technical Specification can be seen in the Annexure.
6. All tenderers/bidders should quote their rates in terms of Indian Rupees for supply, installation and commissioning at Civil Hospital, Lunglei inclusive of all taxes, duties and other charges including *Mizoram Value added Tax (MVAT) @ 5% / Mizoram Entry Tax (MET) @ 2%*.

7. Warranty period should clearly be mentioned, the offer for AMC/CMC should be given in detail.
8. Non-tribal tenderer should affix a Non- Judicial Court Fee Stamp worth at least Rs.7.50/- and should furnish Photo copy of up to date VAT/Sales Tax Clearance Certificate for which assessment has been made by the concerned authority and duly attested by a Gazette Officer or Notary. Original Certificate should be produced at the time of opening, if demanded.
9. Tribal tenderer should furnish original copy of Tribal Certificate issued by the competent authority and Photo copy of up to date VAT/Profession Tax Clearance Certificate for which assessment has been made by the concerned authority duly attested by a Gazette Officer or Notary. Original Certificates should be produced at the time of opening, if demanded.
10. Manufacturers submitting their tenders should attach Photo copy of their Manufacturing License duly attested by a Gazette Officer or Notary. Original Certificate should be produced at the time of opening, if demanded.
11. Tenderer should enclose detailed specifications of the equipments including software incorporated, if any, and also indicate any other optional items, facilities for up gradation, post-sale/installation service, etc. and also enclose relevant catalogues/literature of the quoted product.
12. A successful tenderer/bidder should supply, install and commission of the entire system at the Hospital within 5(five) months from the date of allotment of supply order. Failure to complete supply within the stipulated time *on the part of the supplier* shall invoke a demurrage @ 0.5% (half percent) of the award amount per week, subject to a maximum of 8% (eight percent) of the award amount.
13. Once the rate is accepted and communicated to the successful firm, the same will remain valid during the validity period of the agreement with the approved supplier and no price escalation will be permissible during the validity period, which is normally for a period of 12 months and is extendable, if mutually agreed upon by both the parties i.e. the Health & Family Welfare Department and concerned approved supplier, subject to recommendation to the State Purchase Advisory Board.
14. A successful tenderer/bidder should execute a Deed of Agreement with the Government of Mizoram represented by its authorized officer within 15 days from the date of issue of the letter of acceptance of their offer or supply order.
15. A successful tenderer/bidder should furnish a performance security equivalent to 5% of the award amount in the form of deposit at call/fixed deposit/bank draft in original from any Nationalized Bank of India or Postal Savings Certificate, duly pledged in favor of Director, Hospital and Medical Education, Government of Mizoram.
16. A “**Technical Bid**” shall contain all relevant documents as mentioned in the terms and conditions, including the specifications of the proposed project. A “**Price Bid**” should contain the price of the proposed project and the cost of AMC with detail terms and conditions and also contain the commercial terms and conditions of the bidders, if any.

17. Tenderers/bidders should also furnish the details about the proposed system of training to be imparted free of cost to the Radiologists and Technicians of the Civil Hospital, Lunglei.
18. The undersigned shall not be bound to accept the lowest rate or any of the tenders and reserves the right to accept or reject any tenders without assigning any reason thereof.
19. In case of any legal disputes/litigations arising out of this Tender Notice or its terms, the Courts of Law at Aizawl only shall have jurisdiction to adjudicate the same.
20. All payments will be made only after the materials are received and completion of installation and commission, subject to the contents of the Deed of Agreement executed between the parties.
21. Any attempts for negotiation/campaign, direct or indirect, on the part of a tender with the authority to whom he has submitted the Tender or the authority who is competent finally to accept, shall render such Tender liable to be excluded from consideration, if proved.
22. Late/delayed tenders will not be entertained.

(LALRINLIANA FANAI)
Commr. & Secretary to the Government of Mizoram
Health & Family Welfare Department.

Memo NO. G.17011/16/2015-HFW : ***Dated Aizawl, the 14th Nov, 2016***

Copy to :

1. P.S to Minister, H & F W Deptt., for favour of information.
2. Principal Director, H & F W Deptt., for favour of information.
3. The Director of Health Services, Mizoram for kind information
4. The Medical Superintendent, District Hospital, Lunglei for information.

(LALSANGPUII HMAR)
Under Secretary to the Govt. of Mizoram,
Health & Family Welfare Department,

Technical Specification for Whole Body Multi Slice CT SCANNER
(16 Slices / Rotation)

| | Specification |
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| GANTRY | 1. The CT Scanner should have low Voltage Slip Rings incorporated in the Gantry |
| | 2. The Minimum scan time for a 360 Degree rotation should be Sub Second & not more than 0.8 Seconds. |
| | 3. The gantry should have a minimum tilt of 25 degrees on either side and remote tilt should be available as standard. |
| | 4. The gantry should be provided with User control panels on either side for easy positioning |
| | 5. The One millimeter Slice in 16 Row acquisition should be available. |
| | 6. The Gantry should have 3D Positioning Laser lights. |
| | 7. The Scan field of view (FOV) in acquisition mode should be at least from 200 mm to 400 mm with intermediate Steps for scanning different anatomies. |
| | 8. Aperture should be at least 70 cm diameter. |
| X RAY SECTION | 1. The X ray Generator should be compact and inbuilt in the Gantry. |
| | 2. The System X ray power should be 40 kw and above |
| | 3. The MA range available should be between 10 to 300 MA or more with increments in steps of not more than 10 ma . |
| | 4. The X ray Tube should be essentially Dual Focus with capacity of at least 3.5 or more MHU. Any special feature of the X ray tube to be highlighted with literature. |
| | 5. Specify the focal Spots of the X ray tube. |
| | 6. The X ray tube should have a cooling rate of not less than 700 KHU per MIN |
| | 7. The X ray tube Cooler Unit should be in built in the Gantry |
| DETECTOR | 1. The Detector Offered should be Solid State. Specify the Material |
| | 2. The Effective Elements/ Channels should be at least 650 per row. The 16 slice per Rotation should be possible with the detectors in One mm or less Mode. |
| | 3. Specify the Fan Angle of the X rays and the geometry The detectors should not require frequent calibration. |
| | 4. Specify the Number of Rows & the Total Number of Detector Cells |

| | Specification |
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| PATIENT COUCH | 1. The patient table offered should have a minimum load bearing capacity of at least 170 KG. |
| | 2. The Minimum table top height should not be more than 55 cms from the floor level for easy transport of trauma patients. |
| | 3. The Floating table top width should be atleast 38 cms for better comfort. |
| | 4. The range of metal free scan should be atleast 165 cms. |
| | 5. The vertical range should be atleast 55 cms (max height – min height) |
| | 6. Specify the reproducing accuracy of the table. |
| | 7. Remote UP/DOWN , FWD/BWD of the Patient Couch should be standard |
| Spiral / Helical Section | 1. The system offered should have Spiral Capability of at least 100 seconds & above. Real Time Spiral @ 8 f/s should be standard. |
| | 2. The range of Spiral facility in Axial Direction should be more than 100 cms. |
| | 3. The Reconstruction Time in Spiral scan should not be more than 130 Milli seconds. (At least 8 Images / second) |
| | 4. The system should have the Smart Prep or equivalent facility & ability to track Contrast medium to trigger scan should be included in the scope of Supply. More than 2 No:s ROI is required for such Contrast Chase & Exposure Trigger facility. |
| | 5. System should perform Dose Reduction scans using the latest Technology and specify the Technology |
| | 6. Hi Res scan package should be offered as standard |
| Computer section | 1. The Computer offered should be the Latest Multi tasking Processors and a menu driven platform with a RAM size of at least 3 GB |
| | 2. The Monitor should be the latest Color of at least 18 inches and flat screen. There should be Console with One Monitor & a Separate Independent Work Station . |
| | 3. The display matrix should be at least 1024 / 1024. |
| | 4. The reconstruction time for a Axial scan should not be more than 120 Milli seconds. |
| | 5. The Hard disk Capacity for both Image and Raw data should be more than 100 GB |
| | 6. It should have facility to store at least 100,000 Images |
| | 7. The system should be supported with archiving facility of DVD & CD Main Console |
| | 8. DICOM facility to send , store , print , receive, Query / Retrieve , MWM , MPPS etc should |

| | Specification |
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| | <p>be standard .Remote Diagnosis & Fault detection should be standard.</p> |
| | <p>9. PC Based connectivity should be standard for easy transfer of Images & Report.</p> |
| | <p>10. An Advanced Work station with at least 4 GB RAM , Archival on DVD / CD with CT Angio graphy, Colonoscopy , 3D VRT, SSD, CT / MRI Fusion as well as DICOM Print should be included in the Scope of Supply. DVD / CD Archival is Required.</p> |
| Image Processing section | <p>1. The Main Console should have standard software like 3D Volume rendering , MIP , CT Angio, .Color Angio Display, 3D Artefact Suppressions , Pre set 3D Reconstruction & Display Protocols, Auto Bone Removals , CT Based DSA Attachment</p> |
| | <p>2. All softwares as above and Specialized Softwares such as Virtual Endoscopy, Colonoscopy, CT Perfusion , Dental scan , CT Angio graphy , Bone Removals , CT / MRI Fusion should be available on the Work Station .</p> |
| | <p>3. The following soft ware should be offered as standard (MPR , ROI , VOLUME CALCULATION , CT NUMBER Measurement of between –10, 000 to + 25,000 , WINDOW WIDTH , WINDOW LEVEL , TOPOGRAM DISPLAY , CINE DISPLAY , HRCT LUNG, DYNAMIC SCAN)</p> |
| | <p>4. Direct Display of MPR Images immediately after scan is preferable.</p> <p>Resolution :</p> <p>a) The System Spatial Resolution should be mentioned with parameters.</p> |
| | <p>b) The low contrast resolution should not be more than 4 mm at 0.3 % . Shoulder , Pelvis Streak Artefact suppression Software should be standard.</p> |
| | <p>c) Noise Suppression protocols to maintain LCR at low dose should be standard.</p> |
| | <p>d) Special Softwares (Like MA Modulation in Routine) to ensure Dose efficiency should be standard</p> |
| | <p>e) Specify the CT Dose Index</p> |
| Accessories | <p>1. Multi size Dry Laser Imager of any reputed make.</p> |
| | <p>2. Color Laser Printer of any reputed make.</p> |
| | <p>3. Lead Glass of at least 2 ft by 4 ft</p> |
| | <p>4. Stabilizer for the Entire system of suitable capacity</p> |

| | Specification |
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| | 5. UPS with One hour back up of suitable capacity to handle CT Computer , Laser Imager , Work Stations , Color Printer . |
| | 6. Dual Phase Contrast Injector of reputed make with 100 No: Syringes & Tubings. |
| | 7. Lead apron one |
| Warranty | 1. One Years for CT Scanner System including X ray tube and all accessories. |
| | 2. The offer should be accompanied by Original data sheet/brochure of the product |
| | 3. The Cost of the CMC (Comprehensive Maintenance Contract) from 2 nd to 10 th year inclusive of labor, spares and X Ray tube. The CMC Should cover all vendor items and local accessories.. This will be added to the Cost for evaluation of the Tender and to arrive at the Lowest Bid |
| Others But Mandatory | The Systems & the Configuration as mentioned above are Mandatory & no item as asked above shall be treated as Optional in the Offer |
| | All compliance to the Tender should be in the form of Original Data sheet or Original Certificate from the manufacturer. Items under Work in Progress will not be considered. |
| | On Site Training for the CT Technicians for a period of Two Weeks. |
| | As there is continuous Development of Technology , the latest Model available with the Manufacturer shall be offered in the Tender. |