Quotation for Medical Equipments(NSMIMS/BME/QN/01)

N.S.
Co-operative Hospital
(A Unit of Kollam District Co-operative Hospital Society)
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QUOTATION NOTICE

Quotations are invited for the following listed Medical Equipments for NS Memorial Institute of Medical Sciences, a unit of Kollam District Co-op Hospital Society Ltd. Q 952, as per the given Terms and conditions and detailed Technical Specifications.

Quotation Notice No : NSMIMS/BME/QN/01
Date of release of quotation : 06/11/2024
Last date for submission of quotation : 16/11/2024

No.	NAME	QTY
1	Robotic Ortho Joint Replacement System	1
2	Intra Vascular Ultrasound (IVUS)	1
3	Rotablator	1
4	Ultrasound Scanning Machine	1
5.	Flash Sterilizer	1

For Terms & Conditions, List of attachments and Technical Specifications visit
www.nshospital.org
⬇
Tender & Applications
⬇
Quotation for Medical Equipments

You may submit quotation as per the term and conditions with necessary documents as asked so as to reach us before the cutoff date. Quotations not meeting the Terms & Conditions/Technical Specification/without necessary documents are liable to be rejected. Please note that Management has the right to cancel/ postpone the quotation proceedings without prior notice.

Kollam
06.11.2024

sd/-
Secretary

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DETAILS OF EQUIPMENTS

INSTRUCTIONS, TERMS AND CONDITIONS

1. The Quotation (Single Bid) should be submitted in a sealed cover addressed to the undersigned. The cover should bear the address of Quotationer. Quotation Name should be written on the cover and Submission Date & Time should be mentioned at the time of Quotation submission to Society Administrative Office (2nd Floor Administrative Building)
2. The Quotationer should sign and affix his/his firm's stamp at each page of the quotation and all its Annexures as the acceptance of the offer by the Quotationer will be deemed as a contract and no separate formal contract will be drawn.
3. TOTAL PRICE SHOULD BE QUOTED AS THE SUM OF BASE VALUE AND APPLICABLE GST (GST SHOULD BE MENTIONED IN PERCENTAGE TOO).
4. The Model quoted must be latest & most advanced and spares & service support must be available for at least 10 years after installation.
5. All Equipment must have at least US- FDA/ European CE/ EN (IND) ISO 9001 & ISO 13485 unless otherwise specially mentioned in Technical specifications sheet.
6. If CDSCO (Central Drugs Standard Control Organization) certification is required for the import and marketing of theequipment, then the same shall be submitted along with the technical bid
7. **Demonstration of equipment to be arranged at site for 1 week at least for evaluation of performance and cross checking of Technical specifications. Application specialist & Service Engineer should be present**
8. There will be 98% uptime warranty during any contract on 24 (hrs) X 7 (days) X 365 (days) basis.
   In case of more failure days, will invite a penalty of 2000/-day.
9. All complaints during any contract period should be attended within 24 hours and should be rectified within 48 hours from the time of reporting. In case of failure of Equipment/Accessories/ Instruments standby arrangements must be provided within 48 Hours. Any spares parts during AMC period should be quoted and approval should be acquired from Hospital Management within this 48 hours. Any failure to this will invite a penalty of 2000/-day.
10. Warranty: Comprehensive Warranty foryears asked as in Technical Specifications from mutually agreed Installation date. Warranty covers entire system in the P.O which includes all kinds of machine parts, accessories, software, services like maintenance, calibration and all software updates etc.
11. AMC & CMC Rate in percentage (of Total purchase value without Tax) should be quoted. Annual escalation if applicable should be mentioned. AMC & CMC rates should be quoted in a Table for remaining years after expiry of warranty (Total 10 Years as Year after Year)
12. Delivery Time should not be exceeded than agreed time in P.O. Any failure to this will invite a penalty of 1000/-day.
13. Payment as per Hospital policy (70% on delivery, 20% after installation and 10% after successful 1 month usage)
14. Training: On Site training to Doctors/ Technicians/ staff is to be provided by Principal/ Indian Agents (if they have the requisite know-how) for operation and maintenance of the equipment to the satisfaction of the Institution. Individual training certificates should be provided as hardcopy & softcopy.

15. Comprehensive Maintenance Contract (CMC) includes unlimited breakdown maintenance preventive maintenance including testing & calibration as per technical/ service /operational manual of the manufacturer, labour, spares, all software updates etc. The supplier shall visit each consignee site as recommended in the manufacturer‘s technical/ service /operational manual, but at least once in six months during the CMC period
16. Annual Maintenance Contract (AMC) includes unlimited breakdown maintenance, preventive maintenance including testing & calibration as per technical/ service /operational manual of the manufacturer, labor, all software updates etc. The supplier shall visit each consignee site as recommended in the manufacturer‘s technical/ service /operational manual, but at least once in six months during the AMC period
17. Cost of extended and Free Warranty/CMC/AMC will be added while Ranking/Evaluation.
18. Care & Maintenance Plan with Instructions for daily, weekly, monthly and quarterly maintenance checklist should be given at the time of installation.
19. In Technical specification sheet, all Technical specifications are mandatory to comply with. However some specifications marked as “Optional” while others are mentioned as “Preferable”. Companies are recommended to comply with both cases if available, otherwise will be considered as non-compliance. Non-compliance to optional and “Preferable” items not necessarily subject to disqualification. But if “Optional” and “Preferable” items might get included in the final package, preference will be higher for those who comply with.
20. It is not mandatory that one should quote all equipments in the list. Adhering to other Terms and conditions one may quote only 1 equipment or some of them or all equipments in the list. However higher preference at the time of negotiations will normally be given to those who quote all equipments or most number of quotations to have maximum financial benefit to the Hospital.

MANDATORY ATTACHMENTS WITH THE BID

(ALL DOCUMENTS TO BE SUBMITTED WITH SIGN & SEAL)

1. INSTRUCTIONS, TERMS AND CONDITIONS Page.
2. MANDATORY ATTACHMENTS WITH THE BID Page.
3. Demo Request Letter Format for particular model with “addressed to whom” details.
4. The attested copy of the certificate of registration of firm.
5. CDSCO License should be submitted if applicable. Failure to this may be considered as lack of license.
6. European CE,US- FDA ,STQC CB certificate/ STQC S certificates.
7. Compliance statement with technical specification – Document to state the compliance to Published Technical specifications. Each spec to be addressed and ‘Yes’ or ‘No’ to be marked. If any deviations are there, may be stated on the right side as Remarks.
8. Original Product Technical datasheet – All technical details of the machine (Not sales brochure)
9. Details of service division in Kerala – This should contain addresses of Service centers in Kerala, Total number of service engineers etc. Please also do mention whether the service engineers are of Manufacturer or Dealer.
10. Sales authorization letter from Manufacturer – If the bidder is a Dealer and not Manufacturer then they must submit letter from Manufacturer to prove they are authorized to sell the equipment in our Area.(Manufacturing Company representative should attend negotiation meetings and to acknowledge purchase order later)
11. Details of installations in Kerala with Reference number- Please note that only installation list of same model quoted at NS Hospital to be submitted(Not total installations of all models of company)

TECHNICAL SPECIFICATION & COMPLIANCE SHEET			
EQUIPMENT NAME – ROBOTIC ORTHO-JOINT REPLACEMENT SYSTEM			
MANUFACTURER:……..		MODELNAME……	
Sl No	Specification	Yes/No	Remarks
1	1. The equipment must be state of the art and latest model semi robotic (Robotic Assisted) or fully robotic system. 2. The system must be capable of performing following surgical procedures ready available/future provisions. Pls specify present status a. Fully Total Knee replacement b. Partial Knee replacement c. Fully Total Hip replacement 3. The main Equipment should comprise of 2 or 3 sub units such as mentioned below or more. Pls specify a. Robotic Arm unit b. Computer unit c. Tracking unit 4. Total Consumables List with number of usage and quotation for the same. 5. Storage capacity of at least 256 GB. 6. Quotation for full Consumables with type of surgery. Pls specify the compatibility with other brands The complete range minimum to maximum must be put and its must be complying for next 2 years from the time of installation. 7. The system shall have all software required to support all disciplinesof surgery which is possible by the system under the control of thesystem. 8. The product must include complete conventional instrument and trial implants set for OEM-Specific implants for TKA, PKA & THA. 9. The system should be either A) CT image-based or B) Non CT Based Where as A is		

	using computer software to generate a virtual 3D-model of the patient-specific bony anatomy and allowing sufficient time to pre-operatively plan, including choosing implant size and orientation while B is Real time bony Anatomy & Alignment recreation before bony resections. 10. The system should be able to predict the implant size in pre-op planning and joint balancing before resection. 11. Bony Resection-Option for robotic-assisted resection using saw, burr & reamer. 12. Haptic field constraint feature to ensure that the robotic arm only allows removal of bone within 0.5 mm or better of the original surgical plan. 13. Stereotactic boundary must be available to prevent soft tissue injury. 14. The system should also allow for hybrid approach for bone resection if the surgeons choses to do the same. 15. Technical Specialist with system: available intra-op for system support and assistance, evaluation of plan, placement of system and accessories, maintenance of system during and after each cases. 16. Comprehensive Warranty 3 Years 17. AMC & CMC Rate in Terms of % of Purchase value with annual escalation if applicable 18. Equipment life is not less than 10 years and service support should be provided for this period. 19. Free Software updation& upgradation of all kind if applicable, for next 10 years 20. System should be expandable to existing and future new applications add-ons 21. System should supported by Clinical evidence for Safety, Precision and Accuracy of the procedures (Preferable) 22. The robotic system should have at least one of US-FDA / European CE (4 digit notified body) / BIS/ CDSCO-Class C / CDSCO approved certification. 23. The supplier must maintain a technical support centre in each of theconsignee location. The Supplier shall furnish the names, completepostal address, Telephone/Mobile numbers, email address		

	and FAXnumbers of Technical support centers. The supplier shall ensure thatall the Technical support centers are manned by fully competent andresponsible Engineers and who are capable of attending the faults atthe consignee's sites, whenever needed. 24. Free on-site installation of equipment at consignee's locations 25. Bidder has to arrange for onsite training in a phased manner for at least 15 working operating days. A set of OT staff such as nurses and OT technicians and biomedical staff shall be trained by the vendor for handling the system covering powering on, moving and positioning the system and observing the system for right function and errors it any etch. The training method and duration shall be outlined by the vendor. There may be multiple batches of OT staff required to be trained over a period of time. 26. The vendor should have a training center in India. Nominated surgeons shall be trained and certified by the vendor for using the system to perform robot assisted surgeries. The duration of the training and the training method shall be as per International norms at an authorized training center. The Vendor shall arrange for training at an appropriate facility for surgeons from the centre where machine is installed for at least 7 days (off site) for the equipment by trained personnel for the seamless functioning of the entire system in a phased manner. All necessary training should be provided by the vendor or company by its own cost (including fooding, lodging and transportation.)		

TECHNICAL SPECIFICATION & COMPLIANCE SHEET			
EQUIPMENT NAME – IVUS with FFR/IFR (Intra Vascular Ultrasound)			
MANUFACTURER:……..		MODELNAME……	
Sl No	Specification	Yes/ No	Remarks
2	1. The system should be the most latest and state of ART 2. The system should provide facility to perform intravascular ultrasound, FFR/IFR and Diastolic Hyperemia Free Ratio in a single mobile platform 3. There should be facility for rotational / mechanical transducer IVUS, compatible with 40MHZ or higher frequency imaging catheter 4. There should be facility for precise visualization of stent approximation and dissection with representation of blood flow in malapposed stents and dissection flaps. 5. There should be facility for tissue characterization with the help of high definition imaging. 6. There should be facility for peripheral IVUS, compatible with 10MHZ or higher peripheral imaging catheter. 7. There should be facility for automated, real time, integration of IVUS and angiogram and should be compatible with the existing Cathlabequipments in the department with no additional cost. 8. Consumables/Consumable Spares List with Rate as separate quotation. 9. Comprehensive Warranty 3 Years 10. Should have offline DICOM Viewer licensed software		

TECHNICAL SPECIFICATION & COMPLIANCE SHEET			
EQUIPMENT NAME – ROTABLATOR (Rotating Athrectomy System)			
MANUFACTURER:……..		MODEL NAME……	
Sl No	Specification	Yes/ No	Remarks
3	1. The system should be the latest and state of ART 2. Percutaneous rotational coronary angioplasty with adjunctive balloon angioplasty. 3. To perform Highly Calcific Lesions and diffused disease. 4. 220-240 V A.C Voltage with the frequency of 50-60 Hz. 5. Multiple Rotalink Catheters of varying sizes and with a single Rotalink Advancer for easier more effective debulking. 6. Rotational speed of 0 - 2,50,000 rpm. 7. Console compatibility with DynaGlide system. 8. Diamond coated elliptical burr with sizes 1.25 mm, 1.5 mm, 1.75mm, 2.00mm and 2.25mm, 2.38mm, and 2.5 mm and with Catheter Length of 135 cm in length. 9. Compatibility with 0.014(tip)/.009” Rota wire with 325 cm in length and Floppy, Standard and Extra Support System. 10. Consumables/Consumable Spares List with Rate as separate quotation. 11. Comprehensive Warranty 3 Years 12. US FDA or Equivalent approval		

TECHNICAL SPECIFICATION & COMPLIANCE SHEET			
EQUIPMENT NAME – ULTRASOUND MACHINE			
MANUFACTURER:……..		MODELNAME…….……	
Sl No	Specification	Yes/ No	Remarks
4	1. The equipment must be capable of operating in B, M, Doppler, Color flowPower Doppler modes, Contrast ultrasound, 3D / 4D Volume Scanning, Strain elastography& 3D Type color flow (preferable), 2. Should support transducers with Convex, Linear, Matrix Linear and Sector 3. Should have 4 active ports, switchable electronically for Probe selection. 4. Should have Touchscreen controls for easy access (preferable) 5. Should have an alpha-numeric keyboard with easy access scan controls and track ball. 6. Should have independently selectable gain control. 7. Should include a full array of measurement and calculation packages. 8. The keyboard should have Height adjustment. The adjustment should also include Keyboard rotation Side to Side (Preferable) 9. The system shall include at least a 21” monitor. 10. The monitor shall be mounted on an articulating arm that moves side-to-side, forward and backward. (Preferable) 11. The system shall offer an extended field-of-view imaging that operates by sweeping a transducer over the anatomy of interest. This mode shall		

	build the extended field-of-view in a real-time manner, showing the image as it builds. 12. Advanced 3D Tool for uterine anomalies for time saving examinations (preferable) 13. System shall allow for live image and archive images side-by-side or quad display on a single monitor. This display shall allow any type of image – B-Mode, Color, or power Doppler on either side. 14. Contrast Ultrasound Capability (CEUS) with Times Intensity Curve Graphs. 15. The system shall allow for Post-Storage image manipulation to provide maximum image flexibility, review and productivity. It shall include the ability to change all following on recalled old Stored Images/Loops. 16. System should have inbuilt Strain elastography in Convex, Linear & Transvaginal probe. 17. The system shall provide the ability to scan in the compound imaging mode with up to 7 lines or more on all linear and convex probes. 18. Measurements should be possible on frozen images as well as on images recalled from the image archive. 19. Post processing tools for annotation, measurement, correction of angle, baseline, sweep speed should be possible on stored images 20. Pan and zoom facility with high resolution results in both live & frozen images. Higher zoom will be preferred. 21. Advanced Spatio Temporal Image correlation with STIC & Anatomical-M mode for the diagnoses of atrial and		

	ventricle synchronization/ dysfunctionality of the Fetal heart. Automated sonography based technology helps streamline the acquisition of volumetric images of the fetal heart, displaying all eight recommended views with two steps after accusation of volume data set. Shall have Advanced automated Heart evaluation tool (preferable) 22. Additional Software related to follicle, Biometry, Advanced 4D , Scan Assist Render should be quoted as standard part of the Scope of supply. Transforming Nuchal Thickness & IT measurement with automation within fraction of seconds for the fast and accurate scanning supporting sonographers or radiologist to finish their scan within short time. 23. The system should have minimum 256 grey scales or more. 24. The system should have facility to store images in a hard disk of capacity more than 256 GB. 25. Unit should have an option to connect external printer. 26. DICOM output facility without additional Hardware or software. 27. 2-5 MHz or better Broadband Convex Probe for Abdomen imaging. 28. 2-12 MHz or better Broad band - Linear probe for Abdomen, Pediatric, Peripheral, MSK 29. 4-9 MHz or better TV/TR Probe for OB/GYN, Urology, Endocavity (2D) 30. 2-8 MHz 4D Convex Probe for 3D/4D studies (preferable) 31. Comprehensive Warranty 5 Years 32. The system should be USFDA or European CE certified.		

TECHNICAL SPECIFICATION & COMPLIANCE SHEET			
EQUIPMENT NAME – FLASH STERILIZER			
MANUFACTURER:……..		MODEL NAME……	
Sl No	Specification	Yes/ No	Remarks
5	1. Should have a capacity of 18 - 20 Litres (approximately) 2. The sterilizer should have a Rectangular/ Cylindrical chamber with maximum processing capacity per charge at least 3-5 S.S. trays of 325 x 185 x 15 mm size (±10%) 3. Table Top Sterilizers should be equipped with B-process, N-process as per latest EN 1306 4. Chamber should be made of S.S 316 & should comply the Pressure Equipment Directive (PED) & EN 13445 norms. 5. Chamber should have Stress & Fatigue analysis reports for material & construction of the pressure vessel. 6. Chamber should be equipped with electrically heated jacket for preheating on standby mode. 7. Chamber should have working pressure 2.2 bar & design pressure upto 3.8 bar. 8. Chamber should have minimum 10 years warranty or should confirm 44-50,000 process minimum life. 9. Should have horizontal sliding / hinged door and the doors should come with silicon elastomeric rubber gasket to withstand 10. temperature upto 140°C & 2560 kg pressure 11. A disposable air filter should be provided for filtering the atmospheric air before entering inside the chamber. The filter separation efficiency should be higher than 99.998% for particle size less than 0.3µm 12. Should have following cycle programs a. 134°C Wrapped. b. 121°C Wrapped. c. 134°C Flash/Rapid open instrument cycle		

	d. 134°C Textile e. 134°C Prions f. Test programs: Bowie & Dick, Leak Test. 13. Sterilizer should have inbuilt water reservoir with storage capacity up to 5 Ltrs. The water reservoir should have easy access for cleaning & to avoid bio film 14. Sterilizer should have inbuilt steam generator. Any additional feature such as energy storing system for sterilization loads in short time will be preferred 15. The control system should be microprocessor based PLC system specially designed for Sterilization applications. The control system should have CPU processor with battery back-up, Digital input/output controls, analog measuring inputs & COM ports for printer & PC connectivity. 16. Automatic process checking & failure correction should be possible by the control system. The range of alarm should include Temperature & pressure sensor failure, phase time-out, doors not properly closed, power failure (less than 10 sec should be ignored), continuous self-checking of all the safety devices, low water level etc. All the alarms should be audio-visual. 17. The sterilizer unit should included Rack with 3 - 5 levels & suitable size instrument trays should be the part of the supply for every sterilizer. The Sterilizer should have water circulation system so that no drain point & fixed water inlets required		