



महाराष्ट्र शासन

श्री वसंतराव नाईक शासकीय वैद्यकीय महाविद्यालय, यवतमाळ

सिव्हिल लाईन, जिल्हाधिकारी कार्यालय रोड, वाघापूर रींगरोड जवळ ता.जि.यवतमाळ ४४५ ००१

दुरध्वनी क्र. ०७ २३२-२४२४५६, २४३५०४

संकेतस्थळ:- www.vngmcytl.ac.in

No. SVNGMCYTL/QTY/TELEMEDICINE&TELERADIOLOGY/ 9735 /20

Dt/4/07/2020

FIRST EXTENTION

Open Quotation Notice

TELE-MEDICINE & TELE-RADIOLOGY FOR SVNGMC YAVATMAL

Last Date of Submission :- 16 /07 /2020 up to 11.00 am.

Dean Shri Vasantrao Naik Govt. Medical College, Yavatmal invited separate open quotation for the supply of Hardware & Software system in two envelope. Detail list & specification is enclosed. Interested Manufacturer/dealer/Company can send their quotation.

A. ENVELOPE NO :- 1 TECHNICAL BID:- Following documents must be submit in this envelope

1. Shop Act/Udyog Aadhar
2. GST registration Certificate
3. PAN Card Xerox
4. Bank Details
5. Catalogue/Leaflet of the Model

B. ENVELOPE NO :- 2 PRICE BID

Please quote your minimum rates for Supply of articles as per details given below/list enclosed,. The separate envelopes (every Item) containing the quotation should be sealed and super-scribed as under:-

Quotation due on Against inquiry No. 9735 -----for the purchase of Tele-Medicine & Tele-Radiology

LIST OF REQUIRED for Tele-Medicine & Tele-Radiology hardware & Software

Particulars	Amount (Inclusive All taxes & Charges)
HARDWARE <ul style="list-style-type: none">● TeleMedicine:<ul style="list-style-type: none">○ Touch Kiosk○ Telemedicine Camera○ Patient Enclosure○ HD Audio Video facility○ Integrated with all Stakeholders○ Doctor to Doctor calling	
SOFTWARE <ul style="list-style-type: none">● Patient Application<ul style="list-style-type: none">○ Android Based○ Appointment Reminder○ SMS intimation○ Vital Reminder● Doctor Application<ul style="list-style-type: none">○ CPOE - EMR○ Leave Flow○ Queue Flow● Reception Application<ul style="list-style-type: none">○ Patient Flow & Registration○ Diagnostic Indent○ Patient Billing● Pathology Application<ul style="list-style-type: none">○ Machine Integration● Radiology<ul style="list-style-type: none">○ TeleRadiology	

<ul style="list-style-type: none"> ● Admin Application <ul style="list-style-type: none"> ○ Rate Management ○ User Management ● Doctor to Doctor calling on Video ● Unlimited space & unlimited user licenses ● Unlimited device access. 	
HARDWARE <ul style="list-style-type: none"> ● TeleRadiology 	
OPEN Integration with third party apps	
Dedicated Cloud on AWS with Disaster Recovery	

Technical specifications with **Quotation**
Tele Medicine with Practice Management & Tele Radiology

Specification -

- **Rx - Prescription**
 - Rx and make incidental EMR and automatic drug - drug / drug - allergy / etc interaction support
- **Connected with patients -**
 - business retention for special cases **with smart algorithms**
- **Connected with diagnostics with IOT -**
 - with machine integration of pathology and radiology modalities bridging and defragmenting the dots between Doctors & Diagnostic Centers.
- **Smart Touch Kiosk -**
 - automating the reception desk with ease. Contactless reception management.
- **Local Language Support -**
 - entire system will come with support of 21 regional languages
- **Remotely Connected -**
 - Touch comes with a unique feature to control the second screen remotely based on the type of facility targeting the content to ground zero
- **Based on Open Source technologies -**
 - No additional cost required in DB server, peripheral software
- **Easy to Use & Time Saving -**
 - Minimum training, data-entry. Effective utilization of time. Templates for examinations, investigations, prescription, surgeries.
- **Mobile -**
 - Entire solution is based on tablets and smart phones. Doctor & nurses can go mobile
- **ICD 10 Support -**
 - Diagnosis can be provided as per ICD-10 codes.
- **SMS Integration:**
 - SMS will be generated for appointments, getting quick medication updates.

Specifications - Telemedicine

- **Remote Connections-**
 - Connected to patients remotely
 - Connected to other authorized doctors on demand basis
 - Custom interface is designed to scale triage & specialty consults to other departments such as burn, trauma, etc.
 - Integrated with other care points - Radiology, Pathology for **lab ordering**
- **Technology -**
 - 100 % secure video / audio calling features

- Screen Capture
- Web to Android, Android to Web connectivity
- **Workflow -**
 - Simple one-click sharing with live annotation so that attending and consulting physicians can review CT scans together in real time
- **Agility -**
 - The ability to quickly design and implement a customized interface that integrates into its current workflow
 - The ability for consulting physicians to answer a call from their mobile devices
- **Movable Camera-**
 - The ability to move the cameras so distant physicians can examine patients from afar.
- **Privacy-**
 - Kiosk enclosure with 100% privacy for patient to doctor consultancy with **Touch** ▲
- **HIPAA-compliant, encrypted -**
 - End-to-end 256-bit AES, FIPS 140-2 encryption where no servers have access to decryption keys
- **Display, Sound & Microphone -**
 - Echo cancellation speaker & microphone
 - HD Camera output with full HD support (720p, 1920×1080, 1440×1080, 1920×1080)
- **Support for Low Bandwidth and Slow Internet Connections**
 - A telehealth solution that is designed to work well under less than optimal network conditions. (2G, 3G, E)
- **Full Patient and Admin Support**
- **In-Built appointment scheduling**

Specification - Teleradiology

- **Technology-**
 - True Web based & Cloud based PACS
 - Nothing to install at user machine
 - Access Images/Reports using ipads/mobile handsets
- **DICOM Modality Worklist**
 - Full DICOM MWL support & DICOM Storage
- **Image Quality**
 - Consistent Image quality with lossless compression
- **Multimodality Connectivity**
 - All radiological modalities to be integrated
 - Cardio Viewer Embedded
 - RT Viewer Embedded
 - ECG / BedSide Monitor support
- **Processing tools**
 - Advanced processing tools
 - MIP & MPR
 - CD/DVD/Blu Ray DVD Writing with Embedded DICOM Viewer
 - Annotations
 - Anonymous Study supported.
- **Auditing**
 - HL7 complaint
 - DICOM protocol
 - Compliant auditing
- **Printing & Export**
 - DICOM
 - 2D
 - Export to various file formats.
- Customizable User views
- Bi-directional Integration with Diagnoz
- Fully Redundant Architecture
- Active Collaboration features
- Full DICOM conformance with DICOM NEMA standards PS 3.1

Security

Authentication

Authentication technology verifies if a user's credentials match those stored in the database. Authentication processes include using a combination of ways to identify an authorized user, such as passwords, PINS, security tokens.

Access Control

Authentication and authorization happen through the process called access control. Access control systems include:

- Role-based access control, which assigns access based on organizational role and allows users access only to specific information,
- And mandatory access control, which allows a system administrator to strictly control access to all information.

Backups & Recovery

Platform's entire dataset is automatically backed up every night on a disaster recovery server which also implements 100% storage & encryption algorithms

Encryption

Platform effectively enhances data security by using an algorithm (called a cipher) and an encryption key to turn normal text into encrypted cipher text using **SHA 512 algorithm**.

Data Masking

Platform hides data by obscuring letters and numbers with proxy characters. The data is still there, behind the masking. The software changes the data back to its original form only when an authorized user receives that data.

Tokenization

Platform substitutes sensitive data with random characters that are not algorithmically reversible. The relationship between the data and its token values is stored in a protected database lookup table, making it programmatically unbreakable. The token representing the real data is used across different systems as a replacement, while the actual data is stored on a separate, secure platform.

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Both the sealed envelope No. 1 and No.2 should be put together in one cover and it should be sealed. This sealed envelope should be marked on upper left hand corner mentioning name of the items No of the Item Quotation enquiry No. And Date of quotation opening. The full name and address of the Firm/Company should be written on the left hand lower corner. Such separate envelope containing sets of Envelope No.1 and No. 2 should be submitted separately for each Items mentioned in the List.

Envelope No.2 will be opened only when the documents as mentioned in envelope No.1 are in order as per requirements and if item is as per specifications.

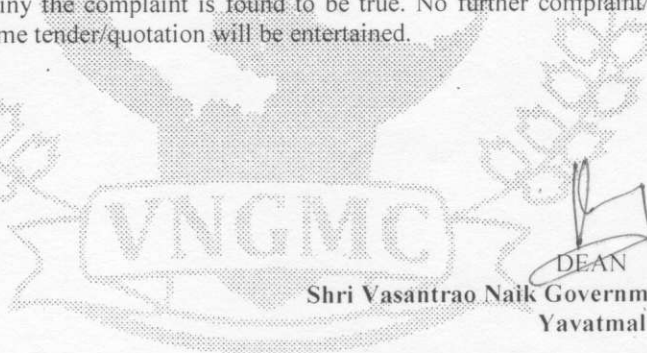
Separate quotation should be prepared for every item mentioned in the list and sent in sealed envelope (duly sealed) by post or hand delivery so as to reach Inward Section of administrative office, Shri Vasantnao Naik Govt. Medical College, Yavatmal on or before Date:- 16 /07 /2020 up to 11.00 am.

Date & timing of the opening of quotation (Technical Bid) :- 17 / 07 /2020 at 12.00 pm. at College Council Hall. Date & time of opening of the Price bid will be decide after scrutiny of the technical detail. Representative of the Supplier may attend the meeting.

The terms and conditions for the supply are:-

18. Enquiry No. must invariably be given at the top of the envelope. Envelopes without indication will not be entertained.
19. For equipment/ accessories/ spares, technical bid and price bid must be sent in two separate, sealed envelopes and front of the envelop marked clearly in capitals as 'PRICE BID', 'TECHNICAL BID'. Otherwise the bid will be summarily REJECTED.
20. Offers other than those from the manufacturer should be supported by an authority letter from the manufacturer as per Annexure-A.
21. AMC/CMC/Extended Warranty if applicable must be quoted along with price bid and not with the Technical bid. However, in technical bid form consent for AMC/CMC must be given.CMC (Labor& Spare parts), these charges include the cost of replacement parts/Components/spares/accessories etc. This shall be borne by the firm. In case of consumables/these will also be included in CMC as per Technical Specification. However, AMC charge will cover labor only and does include the cost of any replacement parts/components etc.
22. **Unsealed quotations will be rejected.**
23. Full description, make and quantity of the articles must be mentioned in your quotation. Original catalogue/literature should be submitted with the quotation (Technical bid envelop)
24. Validity of the quotation should be for a minimum period of 120 days.

25. Delivery period for each item be specifically mentioned in the quotations from the date of Supply order it should be maximum of 6 weeks.
26. The Dean reserves the right to call the firm for physical demonstration of item to verify the quality of the offered item from the lowest bidder. The firm must demonstrate the product within 7 days of requisition, failing which the bid will be rejected.
27. The institute reserves the right to reject the supplied goods if the same are not found in accordance with the specifications approved and asked for. In case there is a short/defective supply the firm will be informed and the defective material will be lifted from the concerned department/Central store by the supplier at their own cost within two weeks period. The institute will not bear any expenses on this account.
28. **The rates and total cost must be quoted in both words and figures (over-writing not allowed.)**
29. Rate should be for free delivery at Shri V.N. Govt. Medical College, Yavatmal premises only. Rate should be quoted including all charges. Rates must be quote on letter head alongwith Pan, VAT, CST/GST Number. It should be submit in Price envelope. (envelope No 2)
30. The suppliers will have to adhere to the delivery schedule. Delayed supplies beyond 30 days from the date of supply order as the case may be will be subject to demurrage @0.5% per weeks or part thereof of the contract price subject to maximum of 10% of contract price, if the Price is below 2 lakh, else it will be @ 0.5% up to as maximum of 5%.
31. Warranty/Guarantee should be quoted as per the Technical specifications.
32. The firm should submit undertaking on letter head stating that firm & its personnel do not have any direct or indirect interests with purchasing institute.
33. The Envelop No. 2 (Commercial Bid) will be opened of only those tenderers who have submitted all the documents as per tender terms and conditions in the envelop no. 01 and are technically qualified. The demonstration of tenderer who had quoted lowest price will be taken. If two tenderers had quoted same cost of equipment, then the demonstration of both the tenderer will be taken.
34. **Complaint/s :-** Any complaint / representation regarding tender/quotation will be entertained only after depositing of **Rs. 10,000/-** in form of **Demand Draft** in the name of Dean Shri V N Govt Medical College Yavatmal. Subsequently necessary action will be taken by the Dean and decision of Dean will be binding upon the complainant. If the complaint turns out to the false or invalid the amount will be forfeited. The Amount shall be refunded if after scrutiny the complaint is found to be true. No further complaint/ representation from the same complainant for the same tender/quotation will be entertained.



DEAN

Shri Vasanthrao Naik Government Medical College,
Yavatmal