



महाराष्ट्र शासन

शासकीय वैद्यकीय महाविद्यालय, गोंदिया

Government Medical College, Gondia

कुंवर तिलकसिंह सामान्य रुग्णालय परिसर, नेहरु चौक, गोंदिया, महाराष्ट्र-४४१६०१

Telephone No 07182-238090

Email-ID:- gmcgstore2015@gmail.com

Website: www.gmcgondia.in

Ref. No./GMCG/PS/Qtr

5300

/2019

Date: 07/11/2019

Open Quotation Notice

For the supply of Instrument, Materials & Equipments

Dean Govt. Medical College, Gondia invites open quotation for the supply of INSTRUMENTS & EQUIPMENTS for various Departments from Manufacturer/Dealers. Detail list is enclosed. Interested suppliers/Manufacturer/dealer can send their quotation.

Quotation should be sent in sealed envelope (duly sealed by selling wax) by post or hand delivery so as to reach this office on or before 20/11/2019 upto 4.00 pm Date & timing of the opening of quotation 20/11/2019 at pm at college council Hall. Representative of the supplier may attend the meeting by submitting authorization letter.


1. The word "Quotation" for Instruments, Materials & Equipments and last Date 20/11/2019 Should be clearly written on cover.
2. Quotation, which received late, will not be accepted under any circumstances.
3. Rate should be for free delivery at Govt. Medical College, Gondia premises only. Rate should be quoted including all charges. Rates must be quote on letter head along with Pan and GST Number.
4. Quoted goods should be strictly accordingly to the specification mentioned in the list. Make Model of items should be specifically stated in quotation and catalogue /leaflets etc. should be submit along with the quotation.
5. Catalogue/Leaflet is must quotation received and the price of the same will not be considered on leaflets/Catalogue.
6. The concern Head of the Department can ask for demo of the lowest price model and it will be binding for the supplier to give the demo in stipulated period (i.e. within 4 days) at Gondia or nearby place. If the supplier fails to give the demonstration of the same model in stipulated period then his quotation will be treated as cancelled.
7. After placing the order to lowest one, the order will have to execute in full within the stipulated time if the supplier fail to comply, within stipulated period after giving the order may be cancelled and he will be declared defaulter and his any offer will not be consider in future.
8. The undersigned reserved the rights to accept or reject any or all quotation without giving any reason.
9. The quotation should be sent in the name of the Dean, Govt. Medical College, Gondia.
10. Payment of the order goods will be made within 1 month from the date of supply & installation of the goods by CMP. For the CMP purpose (unregistered) supplier should submit copy of Pan Card, Cancelled Check, One photograph, & Bank Details.
11. All inclusive warranty period should be two years from the date of commissioning of equipments.
12. The supplier should deliver the Instruments & Equipments in the concerned department of the institution of the institution give demonstration free of cost and staff of the department if required.

DEAN

Government Medical College,
Gondia

Government Medical College, Gondia
List for quotation (State Plan 2019-20)
Name of Item with detail Specification

Sr.No	Name of Item	Rate												
1	<p><u>Drug Trolley 50 bin</u> (Size:- 920 mm x 510 mm x 915 mm)</p> <ul style="list-style-type: none"> • Tubular frame made from 25.4 x 25.4 x 18 swg ERW. Tube • Three drawers 140 mm on heavy duty telescopic channels compartments each tray made in acrylic. • Each line of trays should be visible from above and from front of the trolley so as to access the medicines easily. • Compartment behind drawers to hold IV fluid bottles. • 4 no's 100 mm non rusting revolving castors 2 with brake and 2 without brake. • Handle on the rear to move the trolley. • Finish: All components should be pretreated in separate eight tank process for better finish, good adhesion and corrosion protection. Process includes Hot Degreasing, De rusting, Activation, Phosphating & Number of water rinses as per IS 3618 – 1966 class 'C' type • The pretreated material is coated with epoxy polyester powder with film thickness of 60 microns (approx.) and then oven baked at 180 degree centigrade. • Mfg should have an ISO 9001 : 2008 CO. An ISO 13485: 2003 with CE Certificate. 													
2	<p><u>Intra Oral imaging system with HP Desktop & Printer</u></p> <ul style="list-style-type: none"> • Real time image acquisition View delay 1-4s • Pixel size 19/38 (selectable) • Very high resolution preferably 26/13/ip/mm • Wide dynamic range : preferable 14 bit/ 16384 gray levels • Optimal shape and size of the sensor :- <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">Overall (aprox)</td> <td style="width: 50%;">active area (aprox)</td> </tr> <tr> <td>B1: 24x42x6mm</td> <td>20x35 mm</td> </tr> <tr> <td>B2: 31x44x6 mm</td> <td>26x37 mm</td> </tr> </table> <ul style="list-style-type: none"> • Two sensitivity version: high and extra high sensitivity • Sensor thickness 6-7 mm or less, well tolerated by patients • Sensor cable diameter 3mm, Kevlar strengthen • Sensor cable length 90 cm. distance to computer max 25 meters • Interface: PCI, USB or ETHERNET • Full sizes (uncompressed) <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">Normal resolution</td> <td style="width: 50%;">enhanced resolution</td> </tr> <tr> <td>B1: 940 Kv</td> <td>3.8 MB</td> </tr> <tr> <td>B2: 1.3MB</td> <td>5.3 MB</td> </tr> </table> <ul style="list-style-type: none"> • Very high Detective Quantum Efficiency (DQE)>89-90% less radiation • Very high signal to noise ration (SNR) 	Overall (aprox)	active area (aprox)	B1: 24x42x6mm	20x35 mm	B2: 31x44x6 mm	26x37 mm	Normal resolution	enhanced resolution	B1: 940 Kv	3.8 MB	B2: 1.3MB	5.3 MB	
Overall (aprox)	active area (aprox)													
B1: 24x42x6mm	20x35 mm													
B2: 31x44x6 mm	26x37 mm													
Normal resolution	enhanced resolution													
B1: 940 Kv	3.8 MB													
B2: 1.3MB	5.3 MB													


अधिष्ठाता
शासकीय वैद्यकीय महाविद्यालय,
गोंडिया

- No reses between exposure
- Fast multiple exposure study templates
- Number of pixels : B1 1.8 MB B2: 2.65MB

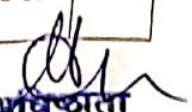
IMAGING SOFTWARE

- Automatic saving and archiving, automatic optimization, optimizing tool, zooming in and out, image enhancement , contrast and density adjustment, Distant and angle measurement, inversion, pseudo colours, distribution and histograms, symbols and text.
- DICOM compatible
- Sensor and control box placed at the X ray unit.
- Cables integrated inside the equipment.
- Sensor always ready for exposure.
- System derived with imaging software.
- New and quick image enhancement tools “optimize for contrast”
- Smooth sensor edges
- Cable optimally connected to the back side of the sensor.
- Sensor protected with a fibre optic filter.
- Dual mode resolution.
- Comprehensive infection control concept to eliminate cross contamination risk.
- Sensor should be provided with a hermetically sealed casing to facilitate disinfection.
- Thermo disinfectable sensor holder
- Automated backup
- Flexible PM bridge interface for practice management software integration
- System with capacity to be fully DICOM and ADA compatible
- Images should be able to be stored in a professionally signed data base
- It should provide the widest possible DICOM interoperability and functionalities
- System connect ted to PC with PCI or USB interface/
- Erthernet solution for network installations
- Sensor should be electrically isolated to increase patient safety.
- Maximum warranty period of 2 years.
- Spare part should be available in Gondia.
- Service contract should be provided for further 8-10 year with free upgradation of software if any.
- Unit should be accompanied by complete instruction manual and relevant detailed literature about the machinery
- The digital intraoral X ray sensor system should be compatible with the dental X ray machine already functioning in the department and should together give high quality image with exlent contrast and details.
- Both sizes of the sensor should be provided.
- **DESKTOP**
- I3 processor or minimum 4th generation core processor or latest.
- Operating system windows 10 or latest.
- 4 GB RAM, 1TB hard disk, LED Monitor 19.5 inches



अधिष्ठाता
शासकीय वैद्यकीय महाविद्यालय,
गोंदिया.

	<ul style="list-style-type: none"> • Supplied with wireless (Blur both) key board and mouse, MS office. • Quickheal Pro Antivirus (2 year warranty card) • Dedicated graphic memory – 2GB • Graphic processor NVIDIA G force FT 820A • It should be an all in one desktop computer with monitor and CPU as one unit. 	
3-	<p><u>Piezo Ultrasonic scaler:-</u></p> <ul style="list-style-type: none"> • Should be a Piezoelectric scaler. • Should have a detachable autoclavable handpiece. • Should have unique colour coding system for easy power selection with each tip • It should have a wide range of power setting. • Piezo electric ultrasonic generator with frequency approximately in the range of 26-32KHz • Large number of selection of tips. • Colour coding system for each tips. • Should have water pressure 15-17 psi. • Single handpiece compatible with all the tips. • It should have a LED light for better visulalization. • It should be provided with two yr warranty period and annual maintenance period of 8 years their after as per government rules and rates and spare part should be available in Gondia. • It should be an ISO/ISI certified • Should have foot control operation. 	
4	<p><u>Indodontic apex locator:-</u></p> <ul style="list-style-type: none"> • It should have a compact light weight design for easy handling. • It should provide highly accurate indication of the fire's location in the root canal which should not be affected by dry or wet condition of the canal. • It should give accurate measurement without affected by moisture of temperature, etc inside the canal. • It should not be adjusted to 0 Zero before measuring each individual canal (it should have auto calibration) • It should have clear LCD panel for easy reading and provide clear display with high contrast • It should be provided with minimum 3-5 holders, 3-5 contrary electrodes and required batteries. • It should have programmable memory setting. • It should be provided with two year warranty period and annual maintenance period of 8 years thereafter as per government rules and rates and spare part should be available in gondia. 	
5	<p><u>Indodontic endomotor:-</u></p> <ul style="list-style-type: none"> • It should have a miniature head contra-angle handpiece for better visibility. • It should have on and off button on the motor hand-piece. • It should have both continuous rotation and reverse rotation. • It should have pre-set programme for various file system. • It should have some free programme for individual setting in continuous or auto-reverse rotation. 	


अधिष्ठाता
शासकीय वैद्यकीय महाविद्यालय,
गोंदिया.

	<ul style="list-style-type: none"> • Torque range should be in range of 6-6.0Ncm. • Speed range should from 100-1200rpm. • It should operate on rechargeable battery as well as connected to main power. • It should have minimum recharge time. • Battery should operate for maximum time. • It should have compact desktop unit with large LCD screen with food contrast for clear visibility. • The display should show the type of file system used. • It should be provided with two yr warranty period and annual maintenance period of 8 years their after as per government rules and rates and spare part should be available in gondia. 	
6	<p><u>X-ray machine 100MA:-</u></p> <ul style="list-style-type: none"> • It should be microprocessor controlled base. • It should be pulse fullwave. • It should have easy to assemble and dismantle ratchet type stand and provide with the equipment. • Stand shall be easily dismantle and easy to carry four castor wheels for easy mobility. • Should have X-ray unit with back and forth movement and up/down movement by ratchet mechanism. • Should have maximum 32 mA output. • Should have maximum 100kvp (in steps). • Should have 0.06 to 8 seconds in 24 steps timer. • Should have stationary anode x-ray tube. • Rating radiography shall be 30 mA at 52 KVP, 20 mA at 68 KVP and 15 mA at 85 KVP. • Focal spot shall be 1.8 mm². • Output shall be 1.3 KW. • Should have main voltage compensator, voltmeter and mA meter provided on control panel. • Should have indicators of mains ON and x=ray ON. • Should have glass frame for over current protection. • Power requirement shall be 230 Volts AC \pm 10%, 50Hz, single phase, 15 amperes. 	
7	<p><u>ECG Machine:-</u></p> <ul style="list-style-type: none"> • Display 320*240 dot single clour LCD • Input /output – output < 100 Ohm. Sensitivity 1V+ 5%, way Floating and defibrillation protection. • Lead- Standard 12 leads, Acquisition- 12 leads simultaneously • Patient leak current <10μA • Sampling rate 1000Hz, A/D converter – 12 bits. • Frequency response 0.05Hz -150Hz(-3dB) 	


 अधिकाता
 शासकीय वैद्यकीय महाविद्यालय,

- Time constant- time constant > 3.2 s.
- CMRR > 60dB, > 100dB (Add filter)
- Enduring polarization voltage $\pm 500\text{mV}$.
- Noise level $15\mu\text{Vp-p}$ Measurement parameters
- EMG interference filter 35 Hz (-3dB)
- AC filter 50Hz/60Hz (<20dB)
- Sensitivity choice 2.3, 5, 10, 20mm/mV, error: $\pm 5\%$ standard.
- Sensitivity is 10mm/mV $\pm 0.2\text{mm/mV}$ Wave output
- Recording way thermal printing system
- Auto record auto leads -charging.
- Power -AC mains 100V- 240VAC, 50 Hz/60Hz, 70VAC
- Battery - built in rechargeable, 14.4 V Li ion.
- Printer - thermal, manual and auto modes, Specification of recording paper 50 mm (w)x20m(i) high-
- Speed thermal paper- paper speed 25mm/s, 50mm/s, error: $\pm 5\%$
- Standard accessories- Patient cable- 1, Chest electrode-6, Limb electrodes- 4, Power cord- 1, Cardi Jelly bottle- 1, user manual-1
- 5 year AMC and CMC.

8

CBC Machine 3 Part:-

- **Parameters** 23 parameters (including 3 histograms) WBC, RBC, HGB, PLT, LYM%, MID%, GRAN%, HYM#, MID# GRA#, HTC, MCV, MCH, MCHC, RDW-AD, RDW, CV, MPV, PCT, P-LCR.
- **Principle:-** Electrical impedance principle for WBC/RBC/PLT and cyanide free (SFT) Hemoglobin analysis method.
- **Sample:-** 9.6 μ : Whole Blood/Capillary, 20 μ prediluted.
- **Aperture Size:-** RBC/PLT - 80 μm WBC 100 μm
- **Quality control :-** L-J, X, SD, CV.
- **Basic Parameters/Unit:-** WCB- $10^3 \mu$, RBC - $10^6 \mu$
HGB - g/dl, PLT - $10^3 \mu$
- **Dilution Ration:-** WCB/ HGB - 1: 300
RBC/ PLT:- 1 : 44600
- **Throughput :-** 60 samples / hour
- **Display :-** TFT 10.4" (640 x 480 dots) Colour display with change in colour for abnormal results.
- **Memory:-** 32000 Results data storage facility with histograms
- **Sensor:-** Liquid level sensor for all reagents and waste also
- Easy Maintenance
- Minimum lyse solution requires (only 350 μl)
- Predilution mode useful for all parameters
- Search by any clue while using memory function
- Continuous monitoring (Every 0.5 Sec.) for every sample upto 13 Sec.

9

T-piece Resuscitator :

- The infant T- Piece Resuscitator is a manually operated, gas powered Resuscitator designed to provide breaths at a set flow with consistent Peak Inspiratory

Handwritten signature

शासकीय वैद्यकीय महाविद्यालय,
जोधपूर

Pressure(PIP) and Positive End Expiratory Pressure(PEEP) to infants.

- Manometer range: -10 to 80cm H₂O [mbar] Manometer accuracy: +/-2.0% of FSD
- Maximum pressure setting: 65-80 cm H₂O [mbar] (dependant on flow rate)
- Dimensions: Height 250mm (9.8") Width 200mm (7.9") Depth 100mm (3.9")
Weight 2.1kg (4.61b) 4. Operating and storage o°C to 50°C, up to 90% humidity & useful for body weight: 0-10kg (221b)
- **Delivered oxygen concentration: Up to 100%**
- Input Gas flow range:- 5L/min to 15l/min 7. Should be supplied with Gas Supply Line, Gas Inlet Adapter , Test Lung, Spare Max Pressure RELIEF cap, Animated User GUIDE, Operating Instruction and Product MANUAL(CD)
- Adequate ACCESSORIES:- a) Single use Infant Resuscitation T-piece Circuits
b) Single use Infant Resuscitation Masks c) Gas SUPPLY Line



DEAN

GOVERNMENT MEDICAL COLLEGE
GONDIA