



OFFICE OF THE MISSION DIRECTOR
NATIONAL HEALTH MISSION, ASSAM
SAIKIA COMMERCIAL COMPLEX, CHRISTAN BASTI, G.S ROAD, GUWAHATI-781005
PH. NO : 0361-2363062 ; TELE FAX : 0361-2363058

Website: www.nrhmassam.in

e-mail: misnrhm.assam@gmail.com

No: NHM/PROC/HOSP-EQUIP/2628/2015-16/22108

Date:06/02/2016

CORRIGENDUM4
e-TENDERFOR ENTERING INTO RATE CONTRACT FOROT EQUIPMENTS & INSTRUMENTS

This has reference to the e-tender No:NHM/PROC/HOSP-EQUIP/2628/2015-16/20249 Date: 04/01/2016 for entering into rate contract for supply & installation of OT Equipments& Instruments. The following amendment may be taken note of prior to submission of Bids:

1. Clause 4 :Eligibility Criteria is amended to be read as follows:

Point No B.

Evaluation of bids will be done **on individual item basis** instead of Group basis.

Point No C.

Average Annual turnover of the bidder (who is not a manufacturer) in the last three financial years i.e. 2012-13, 2013-14 & 2014-15 from sales of Hospital Equipments/Instruments**including Surgical Items** shall not be less than Rs.485 Lakhs (Rupees Four Hundred Eighty Five Lakhs only).

Point No D.

Manufacturer participating as bidder or manufacturer from whom items like Vertical Autoclave, Fumigation Machine, Foetal Doppler and MTP Suction Machine would be sourced by the dealer should have an average Annual Turnover of **Rs.4.00 Crores** (Rupees Four Crores only) in the last 3 financial years i.e. 2012-13, 2013-14 & 2014-15 and manufacturers from whom the other items would be sourced should have an average Annual Turnover of **Rs.29.00 Crores** (Rupees Twenty nine Crores only) in the last 3 financial years i.e. 2012-13, 2013-14 & 2014-15.

2. Clause 6: Techno-Commercial Bid - Cover "A" is amended to be read as follows:

Point No.B: Earnest Money Deposit (EMD)

Earnest Money Deposit amounting to **Rs20 Lakhs** (Rupees Twenty Lakhs) only in the form of Demand Draft/Banker's Cheque/**BG** favoring "**State Health Society, Assam**". Earnest Money Deposit will not earn any interest. The Earnest Money Deposit of the successful Bidder may, at the discretion of Tender Inviting Authority be adjusted towards the Security Deposit payable by the Bidder.

3. Clause 12:Acceptance of Tender is amended to be read as follows:

Point No. A: Tender Evaluation

Tenders will be evaluated with reference to technical and commercial parameters to determine the technically qualified bidders.

Price Bids of technically qualified bidders will be evaluated with reference to the quoted rates (landed price of each item). Conditional discounts shall not be taken into account for price comparison.

4. Annexure XII “Technical cum Compliance Specification Sheet” is amended to be read as follows:

Annexure XII (Rev-1)

Technical cum Compliance Specification Sheet: (TO BE SUBMITTED BY THE MANUFACTURER)

Sl	Name	Technical Specs quoted by bidder	Deviation if any
1.	<p><u>Vertical Autoclave with dressing drum:-</u></p> <ul style="list-style-type: none"> • It is to be used for sterilization under saturated steam pressure at any selected point between 5 to 20 p.s.i. (adjustable). • Should have double walled units with inner chamber (Boiler) made of 18 S.W.G. stainless steel and outer chamber is made of SS sheet covered with S.S. Lid with radial locking system. • Fitted with neoprene rubber gasket, all systems are hydraulically tested up to 40 p.s.i. as a safety measure. • All autoclaves are to be fitted with standard accessories such as water level indicator, pressure gauge, steam release cock, spring-loaded safety valve and heating element. • Should be supplied complete with S.S. basket and vacuum breaker device, cord and plug, to work on 220/230 volts A.C. Supply. • Capacity: 22 ltrs. Should be supplied with dressing drum. • Should be CE, ISO 9001:2008, & 13485:2003 certificates. <p><i>Warranty for 2yrs</i></p>		
2.	<p><u>Boyles Apparatus with vaporiser and standard accessories</u></p> <p>The Anesthesia Machine should be of 2 Gases with 3 tubes</p>		

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	<p>must be made of rigid & electro statically powder coated steel with antistatic Castors with front brakes.</p> <ul style="list-style-type: none"> • Machine should be equipped with 2 Nos. High Pressure outlets for driving ventilator. • Machine must have Oxygen Flush with 32 to 59 LPM flow or better. • The machine must have flow meter for oxygen and nitrous oxide supply with adjustment controls. Oxygen Flow meter can be calibrated from 100 ml to 8 Liters and for Nitrous Oxide from 200 ml to 12 liters per min. • Machine should have pneumatically controlled integrated Hypoxic Guard/ORC ensuring that a minimum range of 25%-35% oxygen can be run through the machine as per requirement (25% can be set) . • The machine must have inbuilt Oxygen Failure Warning Alarm. • Machine has a common gas outlet Male and Female Type, size to specify. • Machine should have provision for connection to pipeline supply for Oxygen and Nitrous Oxide Supply. Once pipeline supply is turned on machine should be able to use pipeline supply and cylinders supply be kept as reserve and incase of pipeline failure only cylinder supply can be turned on. Separate indication gauges for Pipeline and Cylinder Pressure. • Machine must have a system pressure relief valve to protect from backpressure. The valve set at normal pressure of 200 cm of H2O. • Provision for mounting 2 Nos of Bulk Cylinders on the extended rear platform & top tray for mounting monitor at eye level. • Machine has gas specific pin indexed cylinder yokes with sliding stainless steel clamping bars for easy handling. Two each for oxygen and nitrous oxide cylinder with 5 liters capacity. • There should be individual pressure regulator 		

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	<p>on each circuit output phase of 4 kg/cm² and Capable of delivering low flow Anesthesia</p> <ul style="list-style-type: none"> • Provision for mounting of ventilator on the side, writing table and pre-use operative checklist and two closed drawer for keeping essential accessories. • Machine must be supplied with twin canister circle absorber. The absorber has switch control to switch between Automatic and Manual mode of ventilator. • One Set of Essential Accessories with item wise rate should be quoted as option without which the quotation will be rejected. • The supplier has adequate service backup with service, availability of on-self spares and calibration equipment in north east. <p>Other Accessories to be compulsorily quoted as optional:</p> <ul style="list-style-type: none"> • Vaporizer for Halothane/Isoflurane -1 no. • Endo tracheal tubes-cuffed size:3.0,4.0,4.5,5.0,5.5,6.6,6.5,7.0-1set • Magil's Forceps (adult, medium and child)-3 nos. • Mackintosh Laryngoscope (Adult &Child)-1 no. each • Cathetar Mount-02 nos • Megils Connector (set of six pcs)-1 set • Tube connecting for ETT-1 no. • Air ways large-6 nos. • Air ways medium-6nos. • Air ways small-6 nos. • Mouth Prop-1 no. • Tongue deoressors-1 no. • O₂ Cylinder (small) gas filled for Boyles-2 nos • N₂O Cylinder (small) gas filled for Boyles-2 nos • Sodalime jar (4Kg)-4 nos. • Face mask(size 0,1,2,3) black-4 nos. • JacksaonRee's (T-piece) Pediatric Circuit with accessories(Mask)-1 set • Ambu Bag (Silicon) with face mask for adult, Paediatric ,Children-1 set each 		

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	<ul style="list-style-type: none"> • Bain's Circuit(Adult)-1 set • Mox Connector (Conversion kit for O₂ and N₂O) <p>Should have CE and ISO 9001:2008 and ISO 13485:2003.</p> <p><i>Warranty for 2yrs</i></p>		
3.	<p><u>Patient monitor system:</u> (Should be of modular type and capable of monitoring adult, pediatric & neonatal patients.)</p> <ul style="list-style-type: none"> • Monitor should have minimum 12"-15" T.S. display. • Should be capable of 6 traces display. • Monitor must be capable of simultaneously monitoring the following parameters which should be present as standard: <ul style="list-style-type: none"> ➤ ECG, NIBP, SpO₂, invasive pressures, temperatures. • Should be upgradeable to monitor Cardiac output, SpO₂, 4 channel direct EEG, capnography and BIS. • ECG should have capability for 3, 5 and / or 10 lead monitoring and should have built in arrhythmia monitoring on all leads. • Inbuilt ST segment analysis and arrhythmia detection for all the leads should be possible. • Hemodynamic and drug dose calculations should be available. • Arrhythmia should be grouped based on classifications – and should show no of arrhythmias occurred. • Respiration should be available with Cardio Vascular Artifact filter. • OCRG should be available for monitoring neonates. • ICP monitoring should be possible. • Alarm parameter should flash red in the presence of high priority alarms (e.g. ventricular fibrillation and asystole) and flash yellow in the presence of medium or low 		

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	<p>priority alarms (e.g. noisy signal, etc.)</p> <ul style="list-style-type: none"> • 96 hours trend data should be displayed. • All monitors including central station should have similar user interface for easy usage among all clinicians. • Monitor shall provide the capability to interact with alarms at remote bedsides. • Monitor shall provide the capability to receive and display real-time waveforms, trended data and alarm status from other bedside or telemetry units on the patient monitoring network. • Monitor shall provide the capability enter patient information at the bedside or central monitor. • Alarm limit status (ON/OFF) must be indicated on-screen for each parameter and actual parameter alarm settings must be displayed on-screen when alarms are on. • Should have internal rechargeable battery with back up of one hour • Position of the displayed waveforms must be user configurable. • Waveform color changing should be user configurable. • Monitor shall permit the optional ability to receive and display information from other patient devices such as ventilators, infusion pumps and other standalone devices. • All modules should be compatible with all monitors quoted. • Bed to bed communication between the monitors should be possible with out a central station. • Networking to central station should be possible. • Patient monitoring network shall use standard TCP/IP protocol and be capable of residing on hospital's network infra-structure. 		

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	<ul style="list-style-type: none"> • Should be compatible with HIS and should be HL7 compliant. • Monitor should have capability to accommodate remote viewing of real time waveforms through internet. • Should have CE/US FDA, ISO 9001:2008 and ISO 13485:2003 certifications. <p>Accessories and spares</p> <ol style="list-style-type: none"> 1. ECG / respiration: 5 lead ECG cable and lead wire set 2. NIBP: Adult: 1 sizes and Pediatric 1 sizes and neonatal, 1 size per monitor 3. SPO2 Sensor: Adult sensor with cable, pediatric sensor with cable 4. IBP: Include 10 no's of disposable pressure transducer with bracket and interface cable per monitor 5. Temperature: Skin and nasopharyngeal probes per monitor. <p>Warranty for 2yrs</p>		
4.	<p><u>Operation Table Hydraulic Minor</u></p> <ul style="list-style-type: none"> • Five Section Stainless steel top S.S. covered base with auto-locking Device, Complete with all standard Accessories including water proof mattress. • Overall size: 72" x 20" x 32" • Height: - Fixed. • Range of positions:- Straight, trendelenburg & reverse tredlenburg, chair, lithotomy positions. • Weight (lbs, kg): Should be able to support the weight of the patient up to 160 kg. • Should be CE, ISO 9001:2008&ISO 13485:2003 certifications. <p>Warranty for 2 years</p>		
5.	<p><u>Fumigation Machine 5 Ltr. capacity</u></p> <ul style="list-style-type: none"> • The body should be made of Stainless Steel of 		

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	<p>304 grade.</p> <ul style="list-style-type: none"> • Should be able to instantly convert liquid formalin into true aerosol particles. • Should be able to create 100% sterile germ free and Zero – Bacteria environment. • The unit should be able to sterilize 250 cu. mtrs about 7000 cu.ft in just 30–60 minutes. • Automatic Timer facility should be available. • Suitable to work on 220 V, single phase, 50 Hz, AC supply. • Trough Capacity :-5 Litres • Should be CE, ISO 9001:2008& ISO 13485:2003 certifications. • Warranty for 2yrs 		
6	<p><u>Foetal Doppler:</u></p> <ul style="list-style-type: none"> • Should be portable with a carry bag. • Should be able to work on mains as well as on 9 volt single battery. • Should have facility for tape recording. • Should have ear phone facility. • Should have heart beat indicator. • Should have totally soft touch panel. • Should have battery indicator. • Should possess low battery indicator. <p>Warranty for 2yrs</p> <p>Should be CE, ISO 9001:2008 & 13485:2003 certified.</p>		
7.	<p><u>Ceiling OT Light (shadow less)</u></p> <ul style="list-style-type: none"> • The multi – reflector shadow less ceiling Lights should be used halogen lamps with heat observe filters to give “cold” with light, which should be ideal for modern surgeries, The Lights should have incorporational safety standards like CE Mark, ISO 9000 quality standards <p>Technical Data</p> <ul style="list-style-type: none"> • Intensity (In Lux): - 130,000 • Colour Temp.: - 4300K • Halogen Bulb: - 7 x 24V-50W* 		

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	<ul style="list-style-type: none"> • Light Field Diameter: - 120mm or more • Dome Diameter: - 710mm • Input Voltage: - AC 220-230/50-60HZ <p>Warranty for 2yrs</p> <ul style="list-style-type: none"> • Should be CE, ISO 9001:2008& ISO 13485:2003 certifications. 		
8.	<p><u>Surgical Diathermy:-</u></p> <ul style="list-style-type: none"> • Modular design, Integrated Patient Control System (PCS). • Independent activation of monopolar and bipolar output. • Should have time controlled cutting mode Should allow monopolar cutting and coagulation by using both foot switching. • Should have bipolar coagulation option. • The system should automatically adjust to given tissue impedances. • Monopolar Pure cut should be suitable for under water cutting (TURP, TUV & TCRE) with URO-CUT, which eliminates lag time in initiating cut especially suited for urological procedure. <ul style="list-style-type: none"> a) Three Blend – modes (program) b) Low Cut – Endocut (Gastrocut) – for G.I Surgery • Should have Monopolar coagulation –Soft mode (lap, desiccation) Forced mode (Standard), Spray mode (for non contact large area). <ul style="list-style-type: none"> a)Desiccation/Soft – for low voltage soft coagulation suitable for laproscopic& delicate tissue work. b)Fulgurate/Forced – non contact coagulation for minimal smoke generation c)Spray for non-contact large tissue area coagulation with minimum depth of necrosis • Should have Bipolar- Micro (for delicate tissue without charring, adhesion and blanching), 		

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	<p>Coagulation (high current low voltage pulsed bipolar, also suitable for vessel sealing system Range of accessories should provide extensive selection of handles for various application e.g. needle, ball, spatula type.</p> <ul style="list-style-type: none"> • Accessories- Ergonomically designed trolley to house cautery (Small, Light and Portable), Monopolar cord (at least 6), bipolar cord (at least 6) selection of handles, footswitches (all other standard accessories). <p>Warranty for 2yrs</p> <ul style="list-style-type: none"> • Should have CE and ISO 9001:2008 and ISO 13485:2003. 		
9	<p><u>Operation table hydraulic major</u></p> <ul style="list-style-type: none"> • Should have Stainless steel top 304 grade • Should have Castor wheel for easy mobility • Head & Leg section should be detachable and interchangeable • Four section table • Durable and leak proof hydraulic pump with heavy pillar fitted incenter of the table. • Archived by gear mechanism • Trendelenburg: 25°-30° • Lateral tilt (Left & Right):15°-20° • Leg Section 90° <p><u>Dimensions (metric):</u> Table Top dimension 1900 mm x 525 mm ± 15% Table elevation 700 mm – 1000 mm± 10%</p> <p>Weight (lbs, kg): Should be able to support the weight of the patient upto 160 kg.</p> <p>Accessories:</p> <ol style="list-style-type: none"> 1) side rail clamp, 2) shoulder support, 3) Arm support(2 nos) 4) IV pole 5) Body restraining belt 6) Leg supports:2 nos 7) Lateral supports 		

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	8) Anti-static mattress Manufacturer should have ISO 13485:2003 certificate for quality standard. Should be CE/BIS approved product. Warranty for 2yrs		
10.	<p><u>Shadow less lamp standing model:</u></p> <ul style="list-style-type: none"> • No. of LED's :- 20 • LED's min. Life time :- >38,000 or better. • Dome diameter :- 550-600mm • Light Intensity at 1m (lux):- 90,000 or better. • Colour Rendering Index (RA):- >96 • Colour temperature in kelvin :- 4800K or better. • Focus Adjustment :- Adjustable manually • Light field diameter :- 150 or more • Digital Control on dome. • Input Voltage :- AC 220 ~ 230V / 50-60 Hz • Should have CE, ISO 9001:2008 and ISO 13485:2003 Certificates. <p>Warranty for 2yrs</p>		
11.	<p><u>M.T.P Suction Machine:</u></p> <p>Most durable high powered Instant vacuum Ideal for MTP / medical / surgical procedures</p> <ul style="list-style-type: none"> • Stainless Steel top, Powder coated M.S. Chassis. • Heavy duty antistatic castors • Unique removable filter • Card stowage arrangement • Non collapsible Silicon tubing with adaptors <p><u>TECHNICAL SPECIFICATIONS:</u></p> <ul style="list-style-type: none"> • Rotary Vane Type Vacuum Pump with – 740 +/-10mm Hg. • Heavy duty HN – 65 antistatic castors. 320 Watt, 1440 RPM, 0.50 H. P. Electric Motor. • 100mm Vacuum Gauge. • Reusable Smooth Vacuum Control Knob. 		

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	<ul style="list-style-type: none"> • Rotary Vane Type Vacuum Pump with – 740 +/-10mm • Jars: 2 x 2.0 Ltrs. Polycarbonate jars with overflow safety. • Self-Sealing Rubber Lids with Overflow Safety Device. • Sound: Noise level of suction apparatus from is 50 dB +/-03 dB. • Body : M. S. Spot Welded with SS Top & Epoxy Powder Coated Finish • Power : 220-230V, AC: 50 HZ • Should have CE and ISO 9001:2008 and ISO 13485:2003 certification. • Warranty:2 years. 		

All other terms and conditions of the tender referred to above shall remain unchanged.

Sd/-
Mission Director, NHM, Assam