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| **S.No.** | | **Name Of Equipment** | | **Qty** | | **C.I.F Price** | | **F.O.R Price** | |
|  | |  | |  | | **Unit price** | **Total Price** | **Unit Price** | **Total Price** |
| **RADIOLOGY** | | | | | | | | | |
| 1 | | **Fluoroscopy Machine 800mA, three phase 380 volts or more complete set**  **with all standard accessories for its installation and commissioning:**  **X-Ray Generator 80kW, three phase , 380 V or more with**  **Single tube for radiography and fluoroscopy. Remote control x-ray table**  **With integrated x-ray tube column stand, image intensifier TV system with operator console.**  **X-Ray Generator**  Microprocessor controlled Generator with touch screen console for radiography and fluoroscopy  Maximum 80 kW or more  X-ray tube voltage 40~150 kV( 1 kv steps )  X-Ray tube current 10~800mA  Exposure time from 0.001 to 10 sec.  High speed starter (9000 rpm)  **Flouoroscopy**  Continuous mA range 0.5 mA up to 4 mA or more (low dose)  up to 8mA (high dose) with auto flouro  Fluoroscopy kV : 40 ~ 120kV  Timer : 5~ 10 minutes  **R&F Remote Controlled Tilting Table**  Remote controlled table with advanced features and micro-processor controlled  Main standard table control console  Motorized lateral movements  Spot filling device or serial changer  Transversal travel : +/- 12cm or more with speed of 4 cm/sec or better  longitudinal movement of table top 45cm or better with speed of 4cm/sec or better  Table tilting speed of 4 degree/sec or better  Maximum tilt angle: + 90° or more  Maximum Trendenlenburg angle : - 15° or more  **Automatic spot film device**  Motorized longitudinal movements of 90cm or more  All Cassettes size  Automatic format detection 1 – 2 – 3 – 4 division  Moving grid ratio 8:1 or better  **Image Intensifier**  Image Intensifier 9’’ (23 cm) 3 field, 9/6/4.5”  Resolution central 48pl/cm  **CCD Camera**  Camera with last image hold  2 nos. LCD TV Monitor 18" or more Medical quality  Trolley for monitors  **X-Ray Tube**  Dual focus 0.6mm/1.2mm - 9000 rpm - 300 kHUor more  **Compression Device**  Maximum compression force : 80N  Angulation operative range : +/- 20° or +/- 5° from starting angl  **AUTOMATIC COLLIMATOR**  **ACCESSORIES:**  All standard accessories including, Lead glass two pair of lead gloves, two Aprons, two goggles,  two thyroid shield, Two gonadal shields,4x1 two local made illuminators and one auto processor  with a set of chemical and with two cassettes of each size including 14x17, 14,14,12x15,10x12,  8x10 with best screen film combination should be provided.  One voltage stabilizer/step up transformer to support the whole system on full load.  Phase reversal devise for fluoroscopy machine will be responsibility of the vendor  Country of originshould be USA/western Europe/Japan withtheirrespectivestandards MDD (CE) compliance/MHLW Japan.  Complete installation shall be responsibility of vendor as per PNRA standards.  *Warranty period shall be of three years starting from date of installation / commissioning* | | 1 | |  |  |  |  |
| 2 | | **X-Ray Machine 500mA, three phase 380 volts or more complete set with all standard accessories for its installation and commissioning:**  **50 kW or more High frequency X-Ragay Generator , 4 ways floating top table with fixed heigth, floor mounted tube stand/floor to ceiling, manual collimator, 140 KHU X-ray tube, wall bucky stand, pair of HT cables 10m or more.**  Radiographic kVP 40~125kV or more in one kV step.  Radiographic mA 10~500mA or more  mAs range: 1.0~500mAs or more.  Exposure time: 2ms ~ 5s or better  two pointkVp and mAs selection and three point kVp, mA & time selection.  100 or more Anatomical program.  Electromegnatic brakes Longtudinal and lateral travel movement for table bucky,  Longitudnalbucky travel.  Cassette size : all sizes.  Moving grid 8:1 chest stand and table.  Foot switch for electro megnatic brake control.  Tube support balancing system with counterweights and electromagnetic brakes.  Control panel with push button to control vertical, longitudinal and transverse travel.  Column rotation: 180 deg or better.  Manual collimator. LED/halogen light indicator for alignment with bucky.  Chest bucky stand with the cassettes formats all sizes on either orientation.  Moving Potter Bucky Vertical travel of bucky not less than 120cm.  Dual focus X-ray tube: Small focus 1.0 mm and Large focus 2.0 mm or better.  Maximum Tube voltage: 125KVp and Anode Heat capacity 140 K  Country of originshould be USA/western Europe/Japanwiththeirrespectivestandards MDD (CE) compliance/MHLW Japan/FDA 510K approved can be consider.  Warranty period shall be of three years starting from date of full functional commissioning | | 1 | |  |  |  |  |
| 3 | **X-Ray Illuminator Single**  Illuminator for viewing of x-ray firm  Size: 8x10 ~ 14x17”  Single view acrylic sheet of 2mm.  Fluent tube light with heavy duty switch.  Make: UK/USA/EEC/Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | | 56 | |  |  |  |  |
| 4 | **Ultrasound Machine gray scale (black & white)**  High Resolution Portable B/W Ultrasound Machine having Digital Beam Forming System for Abdominal/Obstetrical/Gynae/Urology/small parts with the following Composition:  15” to 12’’or more TFT LCD monitor having wide viewing.  Choice upto four(04) transducer  STC gain six steps or more  B-mode imaging,harmonic imaging  Depth: 24 cm or more.  B/M scan, B (Single, Dual), B/M, M  3~5 MHz Multi Frequency Convex Probe.  Linear probe 5~10MHz (for small parts)  Comprehensive measurement package/functions for abdomen and obs/Gynae.  Built in battery.  CD/DVD writer or USB port.  B/W Ultrasound printer.  Voltage Stabilizer.  Mobile Trolley  Country of originshould be USA/western Europe/JapanwiththeirrespectivestandardsMDD (CE) compliance/MHLW Japan.  *Warranty period shall be of three years starting from date of installation / commissioning* | | 3 | |  |  |  |  |
| 5 | | **Mammography**  **Mammography Machine film based, complete set with all standard accessories**  **for its installation and commissioning:**  **Film based Mammography system, complete with Microprocessor controlled**  **X-Ray Generator, Automatic voltage compensation. X-Ray tube,**  **control panel ,collimator , compression device ,C-Arm , bucky and**  **Cassettes size: 18 x 24 and 24 x 30cm.**  High frequency microprocessor controlled generator.  X-ray tube voltage: between 20-35 kV with 1 kV step.  Tube current: 35-110mA.  mAs : 10-600mAs or better  Automatic Exposure Control  X-Ray Tube  High Speed Bi-angular, rotating anode.  Small focus: 0.1 mm, large focus: 0.3mm,  Anode head storage capacity: 300KHU or more.  Dual motorized filters: 30 μm Mo and 0.5 mm.  25 μm Rh with automatic change.  Motorized diaphragms  Built-in spot collimator.  C-Arm  SID 65 cm or better.  Single or Dual control panels, one on each side of the unit.  C-arm Angulation from -140° to +180 ° or better.  C-arm vertical travel from 80 to 130 cm or better.  Digital display of projection angle.  Motorized telescopic column with two adjustable speeds.  Motorized beam collimation.  LED/Halogen imaging field illumination.  Compression  Digital display of compression force and breast thickness.  Adjustable compression force limit and digital display.  Motorized compression with selectable speed levels.  Bucky  Manual cassette loading and unloading.  Grid movement should be microprocessor controlled with a grid ratio of at least 5:1  or better for a good contract film.  Complete with following Accessories:   1. Cassettes 18 x 24cm 2 Nos. 2. Cassettes 24 x 30cm 2 Nos. 3. Compatible Stabilizer 4. LCD type X-Ray film viewer to view four films at one time. 5. One automatic dedicated mammography film processor with set of chemicals 6. Lead glass for protection 7. Patient stool/chair.   Country of originshould be USA/western Europe/Japan withtheirrespectivestandards MDD (CE) compliance/MHLW Japan  Complete installation shall be responsibility of vendor as per PNRA standards.  *Warranty period shall be of three years starting from date of installation / commissioning* | | 1 | |  |  |  |  |
| 6 | | **Mobile X-Ray Machine 100mA complete set with all standard accessories for its installation and commissioning:**  High frequency X-Ray inverter type Generator  Having output power of 4kW or more  X-Ray tube 50 KHU or more  KVP range: 40-110kV or more  MA Range: 25-100mA or better,  mAS range: 1.0-200mAs or better  Centering light indicator  Standard power supply cable, standard x-ray exposure switch cable,  Vertical movement of the arm to lower or raise the tube collimator assembly, Rotation of the Collimator with reference to the power module (+/- 90deg) or better.  Country of originshould be USA/western Europe/Japanwiththeirrespectivestandards MDD (CE) compliance/MHLW Japan  *Warranty period shall be of three years starting from date of installation / commissioning* | | 2 | |  |  |  |  |
| 7 | | **Digital Color Doppler Ultrasound System for whole Body**  Original Trolley mounted Fully Digital multi beam former 128 or more physical channels.  Fast image processor and at least three active connectors.  Gray shades 256 gray shades or better.  Image depth: Image depth: 30 cm or more.  Monitor: 15” or more high resolution, Non flicker TFT/LCD/LED. 7” inch or more touch command screen.  Imaging modes:  B mode (2 D), Color flow mapping, M mode, Doppler Audio, PW must be continuously steerable, Power Doppler Imaging (PDI) Tissue harmonics, Compound imaging, Trapezoid imaging, Beam steering etc 3D/4D upgrade possibilities.  Data management facility & measurements package:  Digital acquisition, storage and preview of complete Ultrasound studies including static and dynamic clips, studies can be review and output to CD/DVD. Integrated internal hard disk (320GB) and CD/DVD writer/reader and USB storage memory. Comprehensive measurements package for general ultrasound color Doppler and echocardiography.  Complete with the following:  Convex probe Multi frequency between 2~6 MHz or better  Linear probe Multi frequency between 5~10 MHz or better  Endo cavity probe between 5~10 MHz or better  Choice upto 4 transducers  B- Mode imaging  Adaptive Doppler and color Doppler.  Black & White digital Ultrasound printer.  Sine wave on line UPS  Country of originshould be USA/western Europe/Japanwiththeirrespectivestandards MDD (CE) compliance/MHLW Japan.  *Warranty period shall be of three years starting from date of installation / commissioning* | | 1 | |  |  |  |  |
| 8 | | **Cassettes**  08x10”  10x12”  12x15”  14x14”  14x17”  Make: UK/USA/ EEC/Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | | 2 Sets | |  |  |  |  |
|  | | | | | | | | | |
| 9 | | **Water Distillator deionzer complete**  Processing capacity: 4 liters or more  Procesing time: 7-8 hours or better  Automatic control thermostat with block system at the end of operation  Complete with 6active caol filters, 1 detergent, 1 container, for produced distilled water  Make: UK/USA/ EEC/Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | | 1 | |  |  |  |  |
| 10 | | **Ultrasonic water bath**  Built-in stirrer . Microprocessor control  Volume: 22 Liters or better, Uniformity: 5 ºC, Heater: 1 KW  Thermometer readout , Temperature Controller  Must be CE Marked  Make: UK/USA/ EEC/Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | | 2 | |  |  |  |  |
| 11 | | **Incubator (Laboratory)**  Microprocessor Control.  Temperature control.  Liter: 110 or more  Temperature Range: 7 Above ambient to 75  Uniformity: at 37˚C (± C) : ± 1.0  Heating up time to 37˚C (min) : 40  Number of Shelves 02  Make: UK/USA/EEC/Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | | 1 | |  |  |  |  |
| 12 | | **A/B Scan (A/B Sun)**  Large Touch screen operation with high-resolution backlit color LCD.  Complete measurement and calculation record within seconds .  Capture mode automatic and manual.  Ability to store up to five different user profiles.  USB for EMR archiving, SD disk for patient data storage.  A-Scan 10mm Calibration cylinder.  10 Lens Database.  Portable and compact weighing, Built in thermal printer.  Spring loaded Soft touch probes.  A-probe frequency: 10 MHz.  Measurements: ACD, Lens, Vitreous, Axial, Standard  Deviation, Individual Zone Velocity.Examination modes: Direct contact,Immersion,  Dense cataract, Aphakic, Pseudophakic, 4- GateManual.  IOL programs: Regression II, Theoretic T, Binkhorst, Holladay, Hoffer Q, Haigis. Post refractive formulas:Latkany Myopic Regression and Arambersi Double-K. Measurements limits: AXL- 18-45.  Clinical accuracy: ±0.10mm. Electrical accuracy: ±0.023mm  Make: UK/USA/ EEC/Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | | 1 | |  |  |  |  |
| 13 | | **RO Plant**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Specifications:** | |  |  |  | | 1. Operating Pressure: 100~250 PSI | | |  |  | | 2. Salt Rejection: 99% (under TDS 2000 PPM) at 25C\* | | |  |  | | 3. Recovery Rate: 70% | |  |  |  | | 4. Product 10 liter per minute | | |  |  | | 5. System should operate on 220VAC / 50Hz | | |  |  | |  |  |  |  |  | | **Feed/Inlet Water Pressure Pump SS** | | |  |  | | 3HP, Single phase 230V/50HZ | | |  |  | | **Automatic Sand Filter** | |  |  |  | | Flow: 40 Liter/Pm | |  |  |  | | Controller: | |  |  |  | | Automatic 3 processes rinse backwash service | | | |  | | It's adjust to fixed time for renew by 12 days cycle. | | |  |  | | Size: 13" x 54" H, FRP tank, | |  |  |  | |  |  |  |  |  | | **Automatic Activated Carbon Filter** | | |  |  | | Flow: 40 Liter Per Minute | |  |  |  | | Controller: Automatic on 220v/50Hz | |  |  |  | | Automatic 3 processes renew. (Reverse---wash---supply water) | | | |  | | Size: 13" x 54" H, FRP tank, | |  |  |  | |  |  |  |  |  | | **Automatic Water Softener Filter** | | |  |  | | Material: cation resin | | |  |  | | Flow: 40 Liter | |  |  |  | | Controller: Automatic | |  |  |  | | Automatic 5 processes renew. | | | |  | | (Reverse--Inject Salt--wash--Inject Salt Water--supply water) | | | |  | | Size: 13" x 54" H, FRP tank, | |  |  |  | |  |  |  |  |  | | **Brine tank 100 Liters / HDPE** | | |  |  | | **Reverse Osmosis Water Purification System** | | |  |  | | Product Water Ability: 10 Liter per minute ( 15 to 20 Dialysis Machine) | | | |  | | Rejection Rate: 99% | |  |  |  | | Recovery Rate: 60% | |  |  |  | | RO Membrane: Spiral Wound (Filmtec) 3/USA | | |  |  | | RO Pressure Pipe: PVC  RO multistorage pump-single phase | |  |  |  | |  | | | |  | | Flow Rate Indicator meter | |  |  |  | | system Pressure  Control | |  |  |  | | Automatic Operation System. | | |  |  | | Online Conductivity Meter | |  |  |  | | Equipped with Over/Under Voltage Protection device | | |  |  | | Over Loaded Alarm | |  |  |  | | **Auto Ultraviolet (UV) Disinfections Represurise pump with SS 01**  **HP Post pump 220VAC/50HZ** | | | | | | Lamp averagelife: 2000/hour / 125PSI/4Years | | |  |  | | Complete unit should be skid mounted | | |  |  |   Reservevoir tank: 1000L  Make: UK/USA/EEC/Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | | 1 | |  |  |  |  |
|  | | **Dialyzer Washing Machine**  Capable to clean, sterilize and inspect two dialyzers at the same time. With the printer function. self-test function.  Information memory of all aspect of dialyzer. Touch screen.  Spare pump counter-rinse. Precision of blood capacity sensor.  Precision of pressure sensor.  (HD)Common dialyzer  (HDF)High efficiency and high-flux of hemodiafiltration dialyzer (HF)hemofiltration dialyzer  Humanity operation interface.  circumstance temperature: 5 ~ 40 ℃  Relative humidity: 10%--80%  Dialyzer test:  Pressure test: put 290mmHg±10mmHg pressure to one side of blood chamber . pressure-release of dialyzer should be less than: Low flux dialyzer :0.83mmhg/sec  High flux dialyzer :25mmhg/sec  Capacity test: Scope:0170ml, error: ±3%  Water input pressure:0.5MPa~0.35MPa  Water input flux:>1600ml/min  Rinsing time:2min/time  Disinfection time: 7min/time  Reprocessing dialyzer time: 11min/time  Water amount:about 8L/dialyzer  Disinfection solution:commondisinfectant,ie, eracetic acid renalin and other special              disinfectant.  Make: UK/USA/EEC/Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | | 1 | |  |  |  |  |
| 14 | | **Hematology Analyzer**  3 parts differential  18 or more hematological measured parameters . WBC, RBC, Hb, MCV and PLT.  Colored display .  -WBC-LYM#-MID#- GRN#LYM%-GRN%- HGB-RBC-HCT-MCVRDW-  MCH-MCHCPLT- MPV-PCT-PDW-WBC, RBC and PLT histogram  Alarm system with auto diagnostic capabilities  72 or more samples/ hour capacity .  Blood sample volume upto 10ul  CBC test should incorporate within one minute & minimum quantity should be used  RS232 interface  Make: UK/USA/EEC/Japan  *Warranty period shall be of five years starting from date of supply of equipment to the consignee end* | | 1 | |  |  |  |  |
| 15 | | **Hot Air Oven**  Hot Air Ovens for general purposes applications with double wall and fresh air inlet.  Microprocessor Control  LED digital display for monitoring  Automatic over-temperature safety device  Digital timer. 99 hrs 59 min  Temperature: more than 225 deg.  Capacity: 86 litres or more.  Complete with shelves.  Must be CE Marked  Country of origin should be UK/USA/ EEC./Japan/  .  Installation Should be 100 or more units.  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | | 2 | |  |  |  |  |
| 16 | | **Glucometer**  Measurement Range 20 to 600 mg/dL or 1.1 to 33.3 mmol/L, Sample Sites Finger tips, Forearm or palm  Sample size 1 µL, Test Time Approximately 10 seconds, Power source One 2032 or equivalent 3.0V coin cell battery, Battery Life 12 months or approximately 1,000 tests, Memory plus Up to 300 records with time and date EZ Last 30 results, no averaging, no date/time  Make: UK/USA/EEC/Japan.  Or CE Approved  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | | 22 | |  |  |  |  |
| 17 | | **Microscope**  Microscope for sharp and distinctive images.  With built in tension adjustable focusing system.  Optical System: Color Corrected infinity optical system  Observation Tube: Widefield Binocular 30˚  Widetrinocular 30˚-light distribution:10:0/20:8  Maintenance free, sealed, brass shaft, focus mechanism.  Pre-Centered and Pre-Focused condenser, LED illumination with continuous intensity control, Dust cover.  Country of origin should be UK/USA/ EEC./Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end*. | | 3 | |  |  |  |  |
| 18 | | **Electronic Balance**  Capacity & Resolution: 400g x 0.01g  Percentage: Resolution: 0.01/ 0.1 / 1%  Stabilization Time: 2 sec, Typically  Sensitivity drift: (10 ppm/°c (10ºc-30ºc)  Linearity: +/-0.02 g  Repeatability/st D.Dev:0.01g  Display Refresh: 5 or 10 times  Operating temperature: +5ºc-40 rh less than 85% no condensation  Country of origin should be UK/USA/ EEC/Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end*. | | 1 | |  |  |  |  |
| 19 | | **Electrolyte Analyzer**  Sample: Whole Blood, Serum, Plasma,  Sample Size: 60µl Whole Blood, Serum or Plasma, Electrode solution can be refill  60ul Capillary Sample  Detection Range, Blood Na+:20-200mmol/L  K+:0.2-40mmol/L, Cl-:25-200mmol/L, Analysis Time, 60 sec (Blood), Data Storage 200 patient results, 270 normal/abnormal QC results, Reproducibility Typical within run (n=20), Blood, Serum, Plasma, Na+:CV≤1%(80-200 mmol/L), K+:CV≤2%(1-10 mmol/L), Cl-:CV≤2%(80-200 mmol/L) Output : touch screen LED Graphic display, 40 column printer, Serial Port (RS-232), Auto Sampler port  US FDA Approved  Make: UK/USA/ EEC/Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end*. | | 1 | |  |  |  |  |
| 20 | | **Fully automated Chemistry Analyzer**  Automated clinical chemistry analyzer having several different analysis modes including Absorbance, 1 point end, 2 point end, 1 point rate, 2 point rate and Kinetic,immunoturbimatric assay. Random access with reusable plastic or pyrex cuvettes with throughput 100 or more tests per hour, maximum filling reagent capacity.  Should be built in inventory management system automatically tests and reports.Optical design user-selected monochromatic or dichromatic results. 8 wavelengths ranging from 340-700nm; 340,405,505,546,630 nm + Two Optional.Linear ranges-0.2-3.0A  Must have 120 or more programmable tests.  Reaction Volume: 250 µl , Long life IAD filters  Sample type: Serum, plasma,  Sample Volume: 3-30 µl  Reagent position :maximum 37; dilution predilution,dispencing single or multiple  Maximum number of reaction 40  Reaction time: Max 15 min  Should be with PC & Laser printer  US FDA Approved  Country of origin: UK/USA/EEC/JAPAN  *Warranty period shall be of three years starting from date of supply* | | 1 | |  |  |  |  |
| 21 | | **Centrifuge machine 24 head**  Complete with 24-place angle rotor.  Microprocessor-controlled.  Head: 24 nos.  Max g-force:17,000 xg  Max rpm: 13,000  Noise Level: Less than 55 dBA  Timer LED digital, 99 min LED  Brake  Locking latch  Safety shutout  Country of origin should be UK/USA/EEC/ Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | | 3 | |  |  |  |  |
| 22 | | **Blood Bank Refrigerator**  Capacity 200 Liters or more / 100 Bags/450/500ml  Cabinet to have smooth stainless steel interior.  Microprocessor control panel with digital display.  Integrated Data log system.  04/04 shelves. Refrigerant Gas R404a  Lockable doors automatic defrosting  Interior lighting. Data logger  Audible & Visual alarms.  Door: Single Glass Door  Country of origin should be UK/USA/ EEC./Japan/  Who approved CE & TUV  Installation Should be 100 or more units.  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | | 1 | |  |  |  |  |
| 23 | | **Drip Stand**  **Stainless steel, double side hooks**  **With castors**  **Local Manufacturers only can Participate directly**  **Must be CE Marked Product/ Export Quality**  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | | 66 | |  |  |  |  |
| 24 | | **Blood Bag rotator**  3D rotation, with 5-40r/min speed. Rotating angle 20°. Max bearing capacity : 0.8kg; Adjustable low & high flow alarms;  (10-990ml) up to 1000 donations can be stored,  Automatic Clamp of tubing at the end of donations, RS232 cable for barcode reader  Make: UK/USA/EEC/Japan.  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end.* | | 1 | |  |  |  |  |
|  | | | | | | | | | |
| 25 | | | **Oxygen Cylinder New with imported flow meter**  BOC Tested 48 Cft Oxigen Cylinder with flow meter regulator  Flow 0~15 liter  With BS probe  Make: UK/USA/EEC/Japan.  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 30 |  | |  |  |  |
| 26 | | | **OT Table**  Multipurpose Hydraulic Operation table  Systems operatable by foot pump for hydraulic function.  Movement for Systems by manual gas pistons & hydraulic.  Table top Board divided in 05 sections  Table Elevation & decrease system, by hydraulic piston commanded by foot panel.  Head Rest Detachable & adjustable by piston  Surface of the table board in radio transparent material, tunnel with guides for X-ray Cassettes  Table Top Dimension L X W X H: 2000x500mm or more From 650 to 850mm or better  Lateral Tilt: -20˚ to + 20˚  Back Section,Adjustable from +80˚ to -40 ˚  Maximum Patient Weight: 200 or more  **Standard Accessories:**  Anesthesia Screen ARC, in Stainless Steel  Head Rest Padded, Detachable  X-Ray Cassette  Mattress  Iv Stand  Make: UK/USA/EEC/Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 5 |  | |  |  |  |
| 27 | | | **LED Ceiling Mounted OT Lights b**  with all Standard Accessories  High performance LED illumination for every type of surgery  Cold Light  White Light  Excellent contrast in the operating field  Shadows reduction in the surgical field and total illumination of the surface and at depth –  Frequency 50/60 Hz  Light source technical data  Light Source : LEDs  Average life : 50,000 hrs or more  Lighting at the centre, Ec @ 100cm  Diameter of operating field Min 185mm/Max 340mm  Illumination Minimum 2 x120,000 lux @ 1 meter-  Total Lux @ 240000 or more  Color temperature, CCT 4,500° K ± 2%  Color rendering index, Ra 95±1  Make: UK/USA/EEC/Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 5 |  | |  |  |  |
| 28 | | | **Hot and cold pack with heater**  Hydropack heater complete with hydropacks  Hydropak (300x 250mm)  Hydropak (300x 125mm)  Hydropak (610x 115mm)  Hydropak (Neck Contour 600mm long)  Hydropak (370x 600mm)  Make: UK/USA/ EEC/Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 6 |  | |  |  |  |
| 29 | | | **Portable LED OT light**  Mobile spot Light  Minimum 35,000LUX/0.5m or more  Color temperature: 4000K or more better  Flexible arm with up & down movement and 360 degree rotation.  **Make: UK/USA/EEC/JAPAN**  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 5 |  | |  |  |  |
| 30 | | | **General Surgery Set Complete in All Respect**  Bowl Lotion 250 mm (2 Nos)  Gallipot/Cup S/S 180 ml (2 Nos)  Gallipot/Cup S/S 250 ml (2 Nos)  Tray Kidney shape with Lid S/S 200x30 mm (2 Nos)  Tray Kidney shape with Lid S/S 300x50 mm (2 Nos)  Forceps artery Kocher COF BJ.S/S 180 mm (20 Nos)  Forceps artery Spencer Wells CO Flat (bj). S/S 200 mm (15 Nos)  Forceps Dissecting Plain serrated jaws S/S 150 mm (6 Nos)  Forceps Dissecting Plain serrated jaws S/S 250 mm (1 Nos)  Forceps Dissecting narrow , serrated jaws S/S 200 mm (1 Nos)  Forceps Dissecting Lane’s 2x3 teeth 180 mm (3 Nos)  Forceps Dissecting Waugh, fine serrated jaws 1x2 Tth 200 mm (1 Nos)  Forceps Tissue Allis fine 4x5 Teeth BJ.S/S 150 mm (4 Nos)  Forceps Towel Holding cross Action S/S 100 mm (8 Nos)  Forceps Towel Moynihan, Double Teeth (bj) 190 mm (4 Nos)  Forceps Sponge Holding Rampley BJ S/S 240 mm (5 Nos)  Handle size 3 for scalpel blades size 10-15 (1 Nos)  Handle size 4 Scalple blades size 20-24 (1 Nos)  Needle Holder Kilner’s 165 mm (1 Nos)  Needle Holder Mayo Hegar BJ.S/S 180mm (2 Nos)  Scissor Blunt Point Straight SJ. S/S 180mm (1 Nos)  Scissors Mayo’s CO Flat 200 mm S/S (1 Nos)  Scissors Mayo’s Straight 200 mm S/S (3 Nos)  Scissors Mclndoe’s CO Flat 190 mm S/S (1 Nos)  Retr. Deaver #1-Blade 25mm, Length 305mm (1 Nos)  Retr. Lange beck, H/H 26x64 Blade, 210 mm Long (2 Nos)  Retr. . Deaver #5-Blade 75mm, Length 305mm (1 Nos)  Retr. Morris Double-ended (52x38) & (52x64) mm (2 Nos)  Retr. Walton, malleable copper 13mm length 305mm (1 Nos)  Needle Aneurysm S/S. Small 146 mm (1 Nos)  Pin Safety Mayo, forceps holding, 120mm (4 Nos)  Suction Tube Mclndoe (1 Nos)  Suction Tube Poole’s S/S 225 mm  Sterilizing and storing case St.St. with filters 260x150x50 mm (2 Nos)  Wire Cutting, Tungsten. Carbide inserts 180 mm.  Made from imported stainless steel, Rust resistant and Satin finish  Export Quality Material  **Local Manufacturers only can Participate directly Must be CE Marked Product/ Export Quality**  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 1 |  | |  |  |  |
| 31 | | | **Instrument Cleaner Super Sonic**  Ultrasonic frequency 40,000 Hz  Tank Material Stainless  Tank Capacity: 600ml  Timer 180S,360s,,Digital timer  Power 35W  Unit Size 175x 110x155mm(LxWxH)  Tank Size 150x85x65mm (LxWxH)  Make: UK/USA/Europe/Japan.  Warranty period shall be of two years starting from date of full functional commissioning | 1 |  | |  |  |  |
| 32 | | | |  | | --- | | **Diathermy (Electrosurgical Unit)**  High frequency surgical diathermy for mono polar and bi polar cutting and coagulation for use in general surgery, ENT, Gynecology, Urology, Orthopedic, etc.  Output frequency 300Khz  Output power 300 W  Monopolar cutting 300 W  Blend: 230W or more.  Monopolar coagulation  crest 120  Spray 120  Bipolar Cutting  Bipolar coagulation : 70 W or more  Complete with following accessories:  Power cable, Monpolar Footswitch, Bipolar Footswitch, Reusable Diathermy pencil, Knife blade electrode straight 2.8cm or better with shaft, Loop-electrode diameter of 9mm or better with shaft, Titanium forceps , bipolar cable, Disposable patient plate & trolley  Make: UK/USA/EEC/Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | | 5 |  | |  |  |  |
| 33 | | | **Dressing set**  Forceps, dissecting, Straight, 1/2 teeth, 130 mm x 2  Forceps, sinus, 180mm x 1  Forceps, Dissecting, Straight, Plain, 115 mm x 1  Forceps, Sponge holding, 200mm x 1  Scissors, Mayo, Straight, 150mm x1  Scissors, dressing, Straight, 165mm x 1  Scissors, ligature, spencer, 130mm x 1  Bowls, lotion, s/s,         5 liter x 1  Bowl lotion, s/s, 0.2 liter x 2  Kidney Dish, 24cm x 2  Instrument container, s/s with cover, 300x200x50mm x 1  Made from imported stainless steel, Rust resistant and stain finish  **Local Manufacturers only can Participate directly**  **Must be CE Marked Product/ Export Quality**  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 14 |  | |  |  |  |
| 34 | | | **Disinfection Instrument washer double door**  Fully automatic operation,fromprewarsh,wash,rinse to dry,high class stainless material transparent glass with lighting east to check chamber size: w520xd530xh600mm, 165 liters spray. 3 rotational cleaning arms with water spray nozzle.dry stage drying tempreture 121\*c and keep 85min for sterilizing.  Make: UK/USA/EEC/Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 1 |  | |  |  |  |
| 35 | | | **Anesthesia Machine with built in Ventilator**  Specifications:-  Patient type: neonates, Peads& adult  VENTILATION MODES:  The modes of ventilation should include: Volume Ventilation (CMV, Assist CMV), Pressure Support Ventilation (PSV), SIMV, SPONT, MANUAL,SIGH, Apnoea BACK-UP, CPAP, Bilevel, & NIV. Manual breath lock and inspiratory/expiratory hold.  TECHNICAL SPECIFICATIONS:  The patient range should be from neonate, pediatric and adults with easy operation.  Breaths Rate for CMV+, PCV+, P – SIMV+ should be from at least 6 bpm to 140 bpm  PEEP & CPAP from 0 cmH2O up to 35 cmH2O  Tidal Volume from minimum 5 ml to 1500 ml or more for Volume mode  Inspiratory minute Volume  Expiratory minute volume  The I: E ratio: 1:4 - 4:1  ALARMS:  Operator adjustable alarms should include low/high minute volume, high pressure, low/high tidal volume, apnea rate  Oxygen concentration, disconnection, loss PEEP  Apnoea Alarm  Display:  Screen size not less than 12” Inch or more TFT Color Screen with Loops, Graph & Monitoring on the same window  EVENT LOG:  Memory Storage up to 100 Events  Power Supply:  100-230V  Internal Battery Operation 1 Hour or more  Supplied should be with supporting arm, trolley, breating circuits for adult, paeds and neonates , power cord and operating manual  **Medical Air Compressor or Turbine system**  CE & IEC Certified.  Make :UK/USA /Europe  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 5 |  | |  |  |  |
| 36 | | | **Circus session Set**  Made from Imported Stainless Steel, rust resistant and satin finish  **Local Manufacturers only can Participate directly**  **Must be CE Marked Product/ Export Quality**  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 2 |  | |  |  |  |
| 37 | | | **Cholecystomy set**  Made from imported stainless steel, Rust resistant and Satin finish  Export Quality Material  Must be FDA & CE Marked Product  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 2 |  | |  |  |  |
| 38 | | | **Autoclave double steam str. Single door (CSSD)**  40 liters or more, manual control system. Eco friendly and economically design with over temperature, pressure & elec. Over load protection with emergency exhaust switch with low water buzzer with over heat/temp. indication light chamber. Temperature upto 121oC;Digital PID Controller with Timer and Tunning:  CE Marked  Make: UK/USA/EEC/Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 1 |  | |  |  |  |
|  | | | **Autoclave steamgenerated. Double door (CSSD)**  400 liters, manual control system. Eco friendly and economically design with over temperature, pressure & elec. Over load protection with emergency exhaust switch with low water buzzer wit hover heat/temp. indication light chamber  CE Marked  Make: UK/USA/EEC/Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 2 |  | |  |  |  |
| 39 | | | **Autoclave**  40 liters or more, manual control system. Eco friendly and economically design with over temperature, pressure & elec. Over load protection with emergency exhaust switch with low water buzzer with over heat/temp. indication light chamber. Temperature upto 121oC;Digital PID Controller with Timer and Tunning:  CE Marked  Make: UK/USA/EEC/Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 2 |  | |  |  |  |
| 40 | | | **Ultrasound therapy unit complete with standard accessories**  Therapy for treatment to increase blood flow in the tissues.  Touch screen technology.  Dual frequency ultrasound (1MHz and 3MHz).  Programmable memory.  Treatment Protocols: Pressure Ulcers, Chronic Venous Ulcers, Trigger Point Low irritability, Tendon Injury/ Lesion, Chronic Osteoarthritis, Rheumatoid Arthritis, Tennis Elbow, Carpal Tunnel, Fibromyalgia, Soft Tissue Stretch, Impingement  Syndrome, Calcific Tendonitis, Perineal Pain (Persistent), Perineal Pain (Partum),  Treatment Time 0-30 min  Treatment Programs 10 user-defined set-ups  Ultrasound Frequency 1MHz and 3MHz  Maximum Intensity 1.5 W/cm² or more in CW , 3.0 W/cm² or more  Maximum Output Power 7.5W average  Output Modes CW pulsed 1:1, 1:2, 1:4 and 1:9  Pulse Duration 2ms  Ultrasound unit complete with :  Large treatment head  Coupling gel.  Trolley (local)  Make: UK/USA/ EEC/Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 1 |  | |  |  |  |
| 41 | | | **Diagnostic Set**  Diagnostic set including one rechargeable handle, one halogen otoscope and opthalmoscope,  3 autoclavable ear speculum (Ø 2.5, 3.5 and 4.5 mm), 2 laryngeal mirrors, bent arm throat lamp, tongue spatula, adjustable nasal speculum.  Complete with ophthalmoscope and otoscope head, support for tongue depressors and case  *USA/EEC/Japan*  *Should be FDA,CE & TUV*  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 8 |  | |  |  |  |
| 42 | | | **ICU Ventilator with all Standard Accessories**  Specifications:-  Patient type: neonates, Peads& adult  VENTILATION MODES:  The modes of ventilation should include : AVM/ASV  Volume Ventilation (CMV, Assist CMV), Pressure Support Ventilation (PSV), SIMV, SPONT, MANUAL,SIGH, Apnoea BACK-UP, CPAP, Bilevel, & NIV. Manual breath lock and inspiratory/expiratory hold.  TECHNICAL SPECIFICATIONS:  The patient range should be from neonate, pediatric and adults with easy operation.  Breaths Rate for CMV+, PCV+, P – SIMV+ should be from at least 6 bpm to 140 bpm  PEEP & CPAP from 0 cmH2O up to 35 cmH2O  Tidal Volume from minimum 2 ml to 2000 ml for Volume AVM/ ASV/mode  Inspiratory minute Volume  Expiratory minute volume  The I: E ratio: 1:4 - 4:1  ALARMS:  Operator adjustable alarms should include low/high minute volume, high pressure, low/high tidal volume, apnea rate  Oxygen concentration, disconnection, loss PEEP  Apnoea Alarm  Display:  Screen size not less than 12” Inch or more TFT Color Screen with Loops, Graph & Monitoring on the same window  EVENT LOG:  Memory Storage up to 100 Events  Power Supply:  100-230V  Internal Battery Operation 4-6 Hour  Supplied should be with supporting arm, trolley, breating circuits for adult, paeds and neonates , power cord and operating manual  **Medical Air Compressor or Turbine system**  CE & IEC Certified.  Make :UK/USA /Europe  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 12 |  | |  |  |  |
| 43 | | | **Suction Machine**  Suction Machine with two polycarbonate collection Jars.  4 antistatic castors , 2 with brakes.  Piston type, oil free.  Pump flow: 40L/min .  overflow prevention.  Hydrophobic PTFE filter.  3 m PVC Suction tube.  Metallic handle, Metallic curved and straight catheter .  Make: UK/USA/ EEC/Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 16 |  | |  |  |  |
| 44 | | | **Infrared lamp**  Infrared lamp with 250W bulb and dimmer facility. Adjustable heat intensity  complete with protective grilles, stand and table bracket  Make: UK/USA/ EEC/Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 4 |  | |  |  |  |
| 45 | | | **Instrument tray**  Made from imported stainless steel, Rust resistant and Satin finish  **Local Manufacturers only can Participate directly**  **Must be CE Marked Product/ Export Quality**  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 5 |  | |  |  |  |
| 46 | | | **Weighting Machine**  Digital scale with extra large LCD display (65 mm).  Strong and durable  steel comfortable platform.  **Should be CE Approved**  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 12 |  | |  |  |  |
| 47 | | | **Baby Weighing Scale**  Digital scale with extra large LCD display (65 mm).  Strong and durable  steel comfortable platform.  **Should be CE Approved**  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 24 |  | |  |  |  |
| 48 | | | **ECG Machine with Trolley**  **ECG machine 12 lead, 6 channel with standard Accessories.**  Specifications:-  6-Channel Interpretive  Electrocardiographs with LCD Screen 5” or more  Having the following specifications  12-Lead ECG Simultaneous Display  An LCD Screen shows 12-lead ECG waveform at a glance for easy reviewing  It also helps save paper. You can confirm noiseless waveforms before recording.  Data Storage and Transfer  To save recording paper, report printout can be turned off when data is transferred.  High Level 12-Lead ECG Analysis  12-lead ECG acquisition and analysis 6-Channel Recording  roll or Z-Fold Paper  Thermal Printer  AC & Battery operated  Make: UK/USA/EEC/Japan.  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 7 |  | |  |  |  |
| 49 | | | **Defibrillator**  with all Standard Accessories  **Specifications:**  Biphasic technology  Defibrillator Biphasic upto 270 Joules atleast  (***Mandatory***)  Charging time: Less than 10 sec for 270 J Joules  ECG­:-6 Channel ECG  Leads: I, II, III, aVR, aVL, aVF  Heart rate: 50-300 per min  Display: TFT LCD 5’ Inches or More  Built-in Printer with Memo Print  Data management:-  Removable storage unit: 01GB or more with voice recording up to 80 Hours or more  Rechargeable external battery with minimum 04years shelf life  Monitoring time 03Hours or more Extendable  Complete with all standard Accessories  External Paddles for Adult & Built-in Pediatrics Paddles  ECG Leads minimum 05 cable set  Ultrasound Gel  Power Cord  (References required from reputable institute like SIUT,Civil,JPMC,Indus,Dow,Tabba,AKUH)  Installation must be more than 50 units atleast  Make: USA/EEC/Japan/UK  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 8 |  | |  |  |  |
| 50 | | | **Auto processor**  Table top film processer to process commercially available medical x-ray films  With roller transport system.  Processing capacity of 70 film/hour or more.  With temperature control system  Automatic replenishment system.  Complete with tank for developer , fixer and washer.  Compatible with all common types of films and chemicals.  Make: UK/USA/EEC/Japan  *Warranty period shall be of three years starting from date of installation / commissioning* | 1 |  | |  |  |  |
| 51 | | | **Juster Adjustable**  0.1-2, 1-10, 2-20  **Should be CE Approved**  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 2 |  | |  |  |  |
| 52 | | | **Juster Fixed**  5,10,25,50 ml  **Should be CE Approved**  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 4 |  | |  |  |  |
| 53 | | | **Cardiac Monitor**  Multi Parameter monitor  Colour 12" TFT Monitor  Parameters:  (ECG/RESP - NIBP - SPO2 - 2TEMP - 2IBP)  ECG:  Selectable 3 to 5 wires  Heart rate range: 25-250 bpm  Defibrillator and electro surgery protection  SpO2:  Pulse rate range: 25 to 250bpm  Temperature:  Range 0-50 ° C  Respiration:  Breath rate range: 6-150 BrPM  IBP:  Sensor Impedance: 300-2500Ohm  - ST segment and arrhythmia analysis  - Internal battery  Standard supplied accessories:  **Make: UK/USA/Europe** | 33 |  | |  |  |  |
| 54 | | | **Shoulder pulley simple**  Make: UK/USA/ EEC/Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 2 |  | |  |  |  |
| 55 | | | **Shoulder wheel**  Make: UK/USA/ EEC/Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 1 |  | |  |  |  |
| 56 | | | **Surgical Drum**  Drum,Domed top and bottom with sliding removable bank and drop down hasps  Made from imported stainless steel,Rush resistant and satin finish.  **Local Manufacturers only can Participate directly**  **Must be CE Marked Product/ Export Quality**  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 20 |  | |  |  |  |
| 57 | | | **Walker folding height adjustable**  **Local Manufacturers only can Participate directly**  **Must be CE Marked Product/ Export Quality**  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 2 |  | |  |  |  |
| 58 | | | **Refraction Set**  set comprises of stable 300 by 200mm base plate; a light source with condensor and slit-holder to obtain several types of light beams, with a 12V 21W lamp; connection via cable and 4mm safety plugs; should supply with two spare lamps, a scaled disc of diameter 240 mm with double scales in degrees: 90-0-90 degree , a plane mirror with a fixing device on the disc; a Plexiglas half-cylinder with 200 mm diameter; a transparent half-cylinder tank with diameter 200 mm; height 2 cm; scaled in degrees 90-0-90 degree on its cylindrical surface, with positioning on the built-in disc; 2 diaphragms: a single-slit and a triple-slit.  Make: UK/USA/EEC/Japan.  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 1 |  | |  |  |  |
| 59 | | | **Slit Lamp**  Stereoscopic converging binocular microscope.  3 Step magnifications changing by rotating drum. Long life and power-saving LED illumination. Superior function and compact design. Joy stick device, Easy coarse and fine adjustment for vertical and lateral movement of main body by one hand. Microscope Magnification10X, 16X, 25X. Eye piece12.5X. Diopter adjustment :-5D ~ +3D. Total magnification. Field of view:.10X (∅22.5mm), 15.98X (∅14.1mm), 25.53X (∅8.8mm)Slit Illumination Light source:LED(Light Emitting Diode)Aperture diameter :Continuous from 1 to 14, ∅0.3, 1, 5, 10, 14mm. Slit width Continuous from 0 to 14mm. Slit length Continuous from 1 to 14mm. Slit angle 0° to 180°. Filters Blue, Red-free. Primary input: AC 120/220 50-60Hz.  Make: UK/USA/EEC/Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 1 |  | |  |  |  |
| 60 | | | **Deep freezer**  Branded  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 1 |  | |  |  |  |
| 61 | | | **Diagnostic Set**  Diagnostic set including one rechargeable handle, one halogen otoscope and opthalmoscope,  3 autoclavable ear speculum (Ø 2.5, 3.5 and 4.5 mm), 2 laryngeal mirrors, bent arm throat lamp, tongue spatula, adjustable nasal speculum.  Complete with ophthalmoscope and otoscope head, support for tongue depressors and case  *USA/EEC/Japan*  *Should be FDA,CE & TUV*  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 8 |  | |  |  |  |
| 62 | | | **Dental chair with all accessories**  3 hand-piece positions, Stainless steel instrument tray, Automatic adjustment for seat and backrest, Automatic zero position and three work positions, Multi-articulating headrest, swivel right armrest, Anatomic backrest, One 3-way syringe for doctor  3-Aseptic easy clean, tubing’s and fittings for the hand pieces, Air operated foot switch.  X-Ray Viewer, Switch buttons with joystick drive, Seamless upholstery coat, Calibri system (Continental), Counterbalance flex arm with pneumatic lock, Articulated tray holder, Borden or Midwest connection, X-Ray viewer  **Cuspidor:** Swivel at 90o, Cuspidor bowl in translucent color, cup filler with push button  Detachable water sticks, 2 saliva ejectors Venture (low & high)  **LIGHT:** 12V, 55W, 4500oK day light for perfect, Matching of colors, up, down, back, forward and inverse movement of the light head. Light intensity low: 16000 lux  Light intensity high:\_24000 lux, On/Off switch at chairs base, Light head made of polyester  **Dentist Stool:** Operating stool with adjustable height, Gas spring operated, Revolving on 5 castors, one with back support  **Must be CE Marked Product/ Export Quality**  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 2 |  | |  |  |  |
| 63 | | | **Dental X-Ray**  **Dental X-Ray Machine 8mA complete set with all standard accessories for its installation and commissioning:**  Output rating: 8mA/70 kvp. Time selection: 0.05-0.6 sec, 0.25-3.2 sec. X-ray tube: Stationary anode tube. Focal range: 0.7x0.7mm. Aluminum equivalent: 2.5 mmAL. Supply power allowance:=/- 10% Electric power: 110 or 220  VAC, 50/60 Hz  Length: 1800mm  (Make: UK/USA/EEC/Japan.)  *Warranty period shall be of three years starting from date of supply of installation / commissioning* | 1 |  | |  |  |  |
| 64 | | | **Dental instrument set**  Probe, Mouth mirror and Forceps  Made from imported stainless steel, Rust resistant and Satin finish  **Local Manufacturers only can Participate directly**  **Must be CE Marked Product/ Export Quality**  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 16 |  | |  |  |  |
| 65 | | | **Emergency Resuscitation Trolley Fully Equipped**  Emergency trolley - 3 drawers or more  Structure and drawers in epoxy powder coated steel with antibacterial and antimicrobial treatment, to improve Infection Control  Walls moulded strong polymer  Ample worktop with moulded 4-sides raised rim and ergonomic built-in push handle, scratch resistant  Extendable writing surface  Equipped with:  3 drawers in painted steel mounted on steel ball-bearing fully-extending rails, complete with handles with label holder for quick identification of content:  1 drawer with  Central locking system by knob with security breakable plastic seals.  Upper part:  S/S IV pole holder with 2 S/S hooks, height adjustable  One (R/L) side:  2 transparent tilt-out bins  Shelf for vacuum pump  Back side:  Oxygen tank compartment with holding straps, from 3 to 7 liters  Storage space for catheters / probes  One Side (R/L):  Waste basket without lid, with removable internal  **Defibrillator**  with all Standard Accessories  **Specifications:**  Biphasic technology  Defibrillator biphasic minimum 270 Joulesoulesatleast(***Mandatory***)  Charging time: Less than 10 sec for 270 Joules  ECG­:-6 Channel ECG  Leads: I, II, III, aVR, aVL, aVF  Heart rate: 50-300 per min  Display: TFT LCD 5’ Inches or More  Built-in Printer with Memo Print  Data management:-  Removable storage unit: 01GB or more with voice recording up to 80 Hours or more  Rechargeable external battery with minimum 04years shelf life  Monitoring time 03Hours or more Extendable  Complete with all standard Accessories  External Paddles for Adult & Built-in Pediatrics Paddles  ECG Leads minimum 05 cable set  Ultrasound Gel  Power Cord  (References required from reputable institute like SIUT,Civil,JPMC,Indus,Dow,Tabba,AKUH)  Installation must be more than 50 units atleast  Make: UK/USA/EEC/Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 6 |  | |  |  |  |
| 66 | | | **Instrument trolley Fix and Adjustable**  Made from imported stainless steel, Rust resistant and Satin finish  **Local Manufacturers only can Participate directly**  **Must be CE Marked Product/ Export Quality**  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 10 |  | |  |  |  |
| 67 | | | **Emergency Resuscitation trolley**  Resuscitation trolley with 4 swivel castors with brakes.  Having 4 drawers or more.  Top tray for defibrillator  Side tray for instrument  Complete with adult and child resuscitator with face mask.  Venture suction with collection jar  Container for waste.  Drip stand support  Cardiac board  Oxygen regulator  Flow meter with humidifier  Nebulizer with kit  Make: UK/USA/EEC/Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 20 |  | |  |  |  |
| 68 | | | **Massager -707 & 717**  Large surface massage for intensive & effective massage.  Complete with  Two snap-on applicators  Carrying case.  Make:UK/USA/EEC/Japan.  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 02 |  | |  |  |  |
| 69 | | | **Instrument Tray SS**  Set of different size of instrument trays  Made from imported stainless steel, Rust resistant and Satin finish  **Local Manufacturers only can Participate directly**  **Must be CE Marked Product/ Export Quality**  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 06 |  | |  |  |  |
| 70 | | | **Centralized Medical gases supply system**  **ITEM 1.**  AUTOMATIC MANIFOLD FOR OXYGEN FOR 2 X 10 CYLINDERS  1 No.  WITH CONNECTION TO VIE TANK.  The Control Panel should handle three sources i.e. Two sided cylinders  battery and one VIE Tank / Oxygen Generation System.  The Manifold shall be a fully automatic type & shall switch  from Tank / Generation System to Cylinders Battery and “Bank in Use” to “Reserve”  bank without fluctuation in delivery supply line pressure  The system should be able to maintain continuous supply in case of power failure.  Capacity: 70-90, M3/h.  Function:  Fully automatic self-contained shuttle-valve with no electrical power  required for switching, Microprocessor based control panel with display.  Units of measure (psi/Pa/Bar).  LCD /LED display for the left bank, the right bank,& VIE Tank / Oxygen Generation System for the supply pressure.  Complete with relief valve, Emergency shut off valve and battery / bank  room alarm for left and right cylinder bank, pressure reducers of Tank Panel.  Service and maintenance works can be carried out without stopping  operation.  In built VIE Tank / Oxygen Generation System connection controlled by Manifold.  **ITEM 2**  **AUTOMATIC MANIFOLD FOR NITROUS OXIDE (2 X 5) 1 No,**  The Manifold shall be a fully automatic type & shall switch from "Bank  in Use" to "Reserve" bank with out fluctuation in delivery supply line  pressure&with out the need for external power after the switch-over  the "Reserve" bank shall then become the “Bank in Use" and the bank  in use shall become the reserve bank. The System should be able  maintain continuous supply in case of Power failure.  Capacity 10 - 50 M3/ h.  Function:  Fully automatic self-contained shuttle-valve with no electrical power  required for switching, Microprocessor based control panel with display.  Units of measure (psi/Pa/Bar) LCD / LED display for the left  bank, the right bank & for the supply pressure.  Complete with relief valve, Emergency shut off valve and battery / bank  room alarm for left and right cylinder bank.  Service and maintenance works can be carried out without stopping  operation.  **ITEM 3**  **WALL OUTLET.**  Outlet should have double lock quick connect and gas specific. The latch /  Locking release mechanism should be incorporated on the gas outlet with  Geometrical key indexing and should have a parking facility so that in the  Event of release of probe by pressing the spring loaded center, the probe  / Flow meter does not fall down.  Gas outlets wall mounted, Complete in Box/casing gas Specific, Self sealing  valve, indexed to eliminate interchangeability/erroneous tapping of gas  and cover plate.  Oxygen Qty.92 Nos.  Nitrous Oxide Qty.6 Nos.  Compressed Air 4/5 bar Qty.92 Nos.  **ITEM 4**  **Air Venturi System with Gauge 25 Nos.**  The injector should be connected to wall source of pressure gas using  Direct probe or rail mounting system. Max. Vacuum 650 to 700 mbar.  System should be supplied with 02liter Un Breakable &Sterilizable  Collection jar.  **ITEM 5(a)**  **Multiple Zone Valve Box with Monitoring Gauge forthree gases 3 No.**  Microprocessor controlled with digital display of pressure.  Each wall type zone valve box shall consist of the following Components.  A steel valve box which can house two to four shut-off-ball valve with tube  extensions.  **ITEM 5(b)**  **Multiple Zone Valve Box with Monitoring Gauge for two gases 4 Nos.**  Microprocessor controlled with digital display of pressure.  Each wall type zone valve box shall consist of the following Components.  A steel valve box which can house two to four shut-off-ball valve with tube  Extensions.  **ITEM 6**  **CEILING PENDANTS:**  Flexible Ceiling Type Outlets:  Oxygen 12 Nos.  Air 12 Nos.  N2O 6 Nos.  **ITEM 7**  **OXYGEN FLOW METER WITH HUMIDIFIER & PROBES: 80 Nos.**  With autoclave able and unbreakable humidifier bottle and probe.  **ITEM 8**  **COPPER PIPING (IMPORTED FROM UK, GERMANY, USA):**  Supply and installation of seamless copper pipe, deoxidized and  for use in **piped medical gas systems**,  Therefore it is guaranteed that the tubes are  leak-tight, free of pores, blisters etc, Tube  is drawn seamless, according to **HMT 2022 (HTM 02-01) Or equivalent**.  Material :-  Copper tubes, including fixing clips for  ceiling and walls, sleeves, reducers, tee's  bends and soldering material.  1350Meter Size 15 x 1.  1500 Meter Size 12 x 1.  **ITEM 9**  **ANESTHESIA SCAVENGING SYSTEM 6 Nos.**  Anesthetic gas scavenging systems designed to remove exhaled anesthetic  gas mixtures from operating theatres driven by Air/Oxygen at 05 bar or  through vacuum plant, anesthetic rooms and recovery area.  **ITEM 10**  Motor 7.5KW (10HP)  Each 10 HP Motor Produces 1200 Liters and 4 motor supplies 4800 Liters min when duplex compressor in use and more than 2400 minimum Liters per minute in each Skid Mount compressor with Hepa filter  Working Pressure: 9.5 KG/CM2G (135 PSI)  **Air Dryers**  2 x Dryer  Volume Flow Rate @ Inlet: 1200 lit/min @80 ⁰C  Max. Operating Pressure: 14 barg.  Max. Ambient Temperature: 45 ⁰C  Pressure Dew Point: +3 ⁰C  Power Source: 230V / 1PH / 50HZ  **Filtration**  2 x Pre-Filter – 1200 lit/min (3 Micron) ½”  4 x After-Filter – 1200 lit/min (0.01 Micron) ½”  1.9) By Pass System (Local with Imported Fittings):  Isolation Valves, Adaptors, Regulators & Pressure Switches.  **Electrical Panel**  Simple Controlled Electrical Panel, Pressure based Automatic Switching between Compressors, Contractors, Overload, Power Indication Lights and Circuit Breakers.  Make: UK/USA/EEC/Japan.  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 1 |  | |  |  |  |
| 71 | | | **BP monitoring apparatus wall mounted**  Mercury sphygmomanometers.  Precision glass tube with inner diameter of 4.2 mm ±0.2 mm.  Face plate with easy-to-read graduated scale.  Maximum reading 300 mmHg.  Mercury lock.  Basket for convenient accessory storage.  Coiled tubing extensible to 3 m.  Maximum error through range ±3 mmHg.  With latex free bulb and chromed-plated air release valve.  Mounting hardware included.  Make: UK/USA/ EEC/Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 13 |  | |  |  |  |
| 72 | | | **BP apparatus**  Mercury sphygmomanometers.  Precision glass tube with inner diameter of 4.2 mm ±0.2 mm.  Face plate with easy-to-read graduated scale.  Maximum reading 300 mmHg.  Mercury lock.  Basket for convenient accessory storage.  Coiled tubing extensible to 3 m.  Maximum error through range ±3 mmHg.  With latex free bulb and chromed-plated air release valve.  Mounting hardware included.  Make: UK/USA/ EEC/Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 53 |  | |  |  |  |
| 73 | | | **Split Air condition 1.5 Ton**  Haier/LG/Dowlance/Orient/Equivalent  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 66 |  | |  |  |  |
| 74 | | | **Refrigerator 11CFT**  Haier/LG/Dowlance/Orient/Equivalent  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 3 |  | |  |  |  |
| 75 | | | **Nitrous oxide cylinder**  BOC Tested  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 20 |  | |  |  |  |
| 76 | | | **PABX**  Panasonic/Sony/equivalent  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 1 |  | |  |  |  |
| 77 | | | **Electric water cooler**  Local/import  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 8 |  | |  |  |  |
| 78 | | | **Ambu Bag Adult with Manometer**  100% latex-free Ambu bags  Built-in pressure limitation  Suitable for adults  with face mask and single shutter valve.  Autoclavable at 134°C.  Make: UK/USA,EEC,Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 10 |  | |  |  |  |
| 79 | | | **Ambu bag paeds with Manometer**  100% latex-free Ambu bags  Built-in pressure limitation  Suitable for paeds  with face mask and single shutter valve.  Autoclavable at 134°C.  Make: UK/USA,EEC,Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 10 |  | |  |  |  |
| 80 | | | **Quadriceps drill table**  Anatomical back with cervical and lumbar supports support handles- quadriceps and ischios with adjustable double leg straps,fully adjustable-inclination, leveling pad, head rest, complete with 18kg of disk  Make: UK/USA/EEC/Japan.  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 1 |  | |  |  |  |
| 81 | | | **Cold Storage (For Morgue)**  Morgue for 4 to 6 body Storage with modular construction.  Complete with 2 bay. 2 tier304 grade stainless steel storage cabinet, 80 mm high density rigid insulation polyurethane insulation chiller, Stainless Steel height adjustable racking & rolling system, 304 grade Stainless Steel body storage trays, 10°C to -5°C cooling system with digital control panel, body transport trolley.  Make: UK/USA/EEC/Japan.  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 1 |  | |  |  |  |
| 82 | | | **Wax bath**  Thermostatically control with a safety cut out unit to heat adore free wax up to 18Kg of wax, with water capacity of 17liters. A smaller unit for hand therapy with wax capacity of 2.7kg.  Wax purification unit for with a wax capacity of 10kg and water capacity 10 liters.  Temperature range: 0-100°C.  Unit complete with :  Dust cover  Tapped wax container  Paraffin wax : 25kg  Wax bath thermometer  Make: UK/USA/EEC/Japan.  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 2 |  | |  |  |  |
| 83 | | | **Opthalmoscope**  Lens range: 0D + 1D – 10 / 15 / 20 / 40 D :  Aperture: Large aperture,small aperture, micro aperture, slit aperture, cobalt blue aperture & fixation aperture.  Filter: red free filter / Polarizing filter.  Operation mode: Intermittent, On-time should not exceed to 2 min with off-time not less than 5 mins.  Includes: Desktop charger & rechargeable handle.  Make: USA/EEC/Japan.  Should be FDA, CE & TUV.  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 1 |  | |  |  |  |
| 84 | | | **PCR Machine**  Thermal block format 24 well, 96 well test tubes of 0.2 ml  Uniformity of thermal block temperature +/- 0.3oC  Excitation source Light-emitting diode (LED).  Fully Automated & motorized Function  Number of the 5 fluorescence.  Temp Range: OoC-99.9oC  Temp Increment Range: 0.1oC-9.9oC  Max Ramp Rate: 4.5oC or more  Make: UK/USA/EEC/Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 1 |  | |  |  |  |
| 85 | | | **Dry cabinet single door for anesthesia accessories**  Made from imported stainless steel, Rust resistant and Satin finish  **Local Manufacturers only can Participate directly**  **Must be CE Marked Product/ Export Quality**  *Warranty period shall be of three years starting from date of supply o f equipment to the consignee end* | 1 |  | |  |  |  |
| 86 | | | **Spring scale 500ml**  **Should be CE Approved**  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 1 |  | |  |  |  |
| 87 | | | **Retinoscope**  Rotation: ≥190 degree  Length of streak image: ≥30mm  Width of Length image: ≥1.5mm  Operation mode: Intermittent, On-time should not exceed to 2 min with off-time not less than 5 mins  Includes: Desktop charger & rechargeable handle.  Make: USA/EEC/Japan.  Should be FDA, CE & TUV.  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 1 |  | |  |  |  |
| 88 | | | **Appendectomy Set**  Made from imported stainless steel, Rust resistant and satin finish  **Local Manufacturers only can Participate directlyMust be CE Marked Product/ Export Quality**  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 2 |  | |  |  |  |
| 89 | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Incinerator**   * Capacity 30-40 Kg / hour Solid Waste   COMBUSTION CHAMBER:   * Horizontal cylindrical design * Inner surface carried out with first-rate refractory material , high-temperature proof * Combustion chamber volume: 5,3 approximately; * 1No. Loading door set on the frontal edge of the burning chamber, having a whole section crossing, suitable to load the Hospital waste material and to unload the ashes * Burner capacity (under full power): 30-40 kg/h approximately * Operating temperature: 700-900¢XC * Standard color : black – red   POST-COMBUSTION CHAMBER   * Post-combustion oven, pyrolytic working with planed combustion, structured so that the gas generated due to the incineration process will be kept even in the worst condition, to a temperature of >850¢XC/1100¢XC * Design: horizontal or vertical cylindrical * Inner covering: carried out with first-rate refractory material, high temperature proof * 1 No. inspection door on whole section, similar to the one on duty of the incineration chamber, covered with refractory material, rotating on hinges, to make easier any further inspection and the planned maintenance. * Free oxygen content: >6% * Rate gas: >10 m/s. * Time contact gas: >2¡¨ * Working temperature: 1000/1100¢XC * Standard color : black - red   COMBURENT AIR SYSTEM   * The comburent air system is fitted with an centrifugal fan and a steel pipeline, provided with shutters for its regulation. The comburent air supply system will provide the post-combustion chamber with the right quantity of preheated air, necessary to pyrolytic combustion.   COMBUSTION SYSTEM   * Combustion installation composed of: * N.1 diesel automatic burner marked CE. * N.1 diesel supply burner marked CE. * The oven is provided with a supply burner which turns on automatically when the temperature of the gas combustion, after the last air combustion injection, falls under the target temperature of 850 ¢XC or 1.100 ¢XC. The burner is used as well during the start and stop system operations, this is to guarantee a regular temperature of 850 ¢XC or 1.100¢XC during these operations and as long as the waste material remains in the combustion chamber. * All burners have a non-stop ventilation system, to avoid damages to stoke wholes, openings), and to the deflector group, caused by high working temperatures they are exposed, when reached the fixed limit they go on stand-by. Burners are also provided with instruments for the pyrometric temperature check, to keep automatically the incineration oven and the post-combustion chamber to the fixed planned temperatures.   CHIMNEY   * Next to fumes exit will be placed a chimney having the following features: * Chimney Made of Stainless Steel 8m from Ground. The building will be fully covered with refractory non-conductive material having a low heat transmittance coefficient. On demand it will be built in stainless steel AISI 304. * Cylindrical shape * Fumes dissipator put on its top to accelerate the way out and to lift the fumes up in the atmosphere * Standard color : black – red   ELECRTIC SWITCHBOARD FOR COMBUSTION   * The incineration system has an electric switchboard controlling all the electric equipments, switches, warning lights etc. The system is also provided with two temperature regulators which have digital showings, suitable to keep the oven at a planned regular temperature. (one for combustion chamber and one for post-combustion chamber) The control panel is commanded by microprocessor equipment It will be delivered and installed a timer for the incineration cycle. Power: 380/415 V 50 Hz - Installed electrical power: 5 kw   Second Burner in Combustion Chamber   |  |  |  | | --- | --- | --- | | Incineration chamber volume | m3 | 0.55 | | Max Burner Capacity | Kg/h | 30-40 | | Loading capacity | Kg/cycle | 50 | | Max thermal destructive capacity | kcal/h | 73500 | | Operation Time: | h | 8/12 | | Operating temperature (combustion chamber) | °C | 700/900 | | Insulator | Type | Caldegun or similar | | Refractory | Type | Phlox or similar (high % Al203) | | Centrifugal fan | mc/h |  | | Free oxygen content (in post combustion chamber) | % | 6 | | Rate gas (in post combustion chamber) | m/s | 10 | | Time contact gas (in post combustion chamber) | sec | 2 | | Installed electrical power | kw | 5 | | Fumes exit | m | 8 |   OR (Equivalent Specification)  (Make: USA/JAPAN/EC/UK OR EQUIVALENT) | | 1 |  | |  |  |  |
| 90 | | | **Auto Fine Lumen Cleaner**  Make: UK/USA/ EEC/Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 1 |  | |  |  |  |
| 91 | | | **Centrifugal Cell Washer(Electronic)**  **Must be CE Marked Product Imported / Local (Export Quality)**  *Warranty period shall be of three years starting from date of supply o f equipment to the consignee end* | 1 |  | |  |  |  |
| 92 | | | **Cervical Traction with Weight**.  **Must be CE Marked Product Imported / Local (Export Quality)**  *Warranty period shall be of three years starting from date of supply o f equipment to the consignee end* | 2 |  | |  |  |  |
| 93 | | | **Inferential Machine** | 1 |  | |  |  |  |
| 94 | | | **Laproscopic** | 1 |  | |  |  |  |
| 95 | | | **Microporcessor controlled Dual Channel Neuromascular** stimulator complete portable. | 3 |  | |  |  |  |
| 96 | | | **Parallel Bar Adjustable**.  **Must be CE Marked Product/ Export Quality**  *Warranty period shall be of three years starting from date of supply o f equipment to the consignee end* | 1 |  | |  |  |  |
| 97 | | | **Precision Callibration Weight for Shaker**  **Must be CE Marked Product/ Export Quality**  *Warranty period shall be of three years starting from date of supply o f equipment to the consignee end* | 1 |  | |  |  |  |
| 98 | | | **Short wave Therapy Unit (Pulse $ continous short wave, with different accessories.)** | 1 |  | |  |  |  |
| 99 | | | **Traction system unit complete with traction table with accessories.** | 1 |  | |  |  |  |
| 100 | | | **Tunnel Bath Large 12 – Bulb**  (Make: USA/JAPAN/EC/UK OR EQUIVALENT) | 2 |  | |  |  |  |
| 101 | | | **Two Channel Vaccum Unit.** | 1 |  | |  |  |  |
| 102 | | | **Unit for EMG feedback and Electro Therapy**. | 1 |  | |  |  |  |
| 103 | | | **Vaccum Steam Vaporizer**  **Must be CE Marked Product Imported / Local (Export Quality)**  *Warranty period shall be of three years starting from date of supply o f equipment to the consignee end* | 1 |  | |  |  |  |