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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** | | | | | | |
|  | **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* | 36 sets |  |  |  |  |
|  | **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/Japan withtheirrespectivestandards MDD (CE) compliance/MHLW Japan.  *Warranty period shall be of three years starting from date of installation / commissioning* | 1 no. |  |  |  |  |
|  | **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/Japan withtheirrespectivestandards MDD (CE) compliance/MHLW Japan  *Warranty period shall be of three years starting from date of installation / commissioning* | 1 no. |  |  |  |  |
|  | **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/Japan withtheirrespectivestandards MDD (CE) compliance/MHLW Japan  *Warranty period shall be of three years starting from date of installation / commissioning* | 2 nos. |  |  |  |  |
|  | **X-ray illuminator**  Illuminator for viewing of x-ray firm  Size: 8x10 ~ 14x17”  Single view acrylic sheet of 2mm.  Fluent tube light with heavy duty switch.  **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* | 43 nos. |  |  |  |  |
| **LABORATORY** | | | | | | |
|  | **Arterial Blood Gases Machine**  Type                            Parameter  pH                               pH  Blood Gas                    pCO², pO²  Electrolytes                   K+, Na+, Cl  Hemotocrit                   Hct  Shelve life of solution 3~4 months  Pouch volume               -440 ml  Fluidic cycles                 230  Storage temperature     12-12 °C/54-77 °F  Automatic: 1 & 2 point calibration every 8 hours  Full visual graphic array (VGA)  Full active thin Film transistor (TFT)  800X600 resolutions  Resistive touch screen  Make: UK/USA/EEC/Japan.  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 1 no. |  |  |  |  |
|  | **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.* | 4 nos. |  |  |  |  |
|  | **Blood bag sealer**  Automatic sealing operation.high grade metal electrodes for perfect sealing  Removable caps; Audible beep & LED signal indicate dirty Electrodes,sparking or over heating.  LED indicator  Make: UK/USA/EEC/Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 3 nos. |  |  |  |  |
|  | **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* | 2 nos. |  |  |  |  |
|  | **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* | 8 nos. |  |  |  |  |
|  | **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 no |  |  |  |  |
|  | **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  Should be CE approved  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 1 no. |  |  |  |  |
|  | **Fresh plasma separator**  Self-loading pumps, auto priming advance optical sensors and easy to read display.  Safety feature for redundant air detectors, fluid sensor. System should be capable of built in wireless communication. Wi-Fi, Ethernet or RS 485;  Automatic air removal system; up to 5 scales;  16 or more pre-loaded procedures; Flow regulator with high precision optical sensor.  Make: UK/USA/EEC/Japan.  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end*. | 1 |  |  |  |  |
|  | **Electrophoresis Fully Automated**  Truly Walk-away automation  1 gel run in maximum 45 minutes”  Dry Temperature controlled Migration Chamber  High Efficiency Peltier driven temperature  Unique flexible migration chamber, 2 or 3 electrodes  Easy result interpretation  Report what you see combining visual inspection of the gel and graph  Minimize unnecessary immunofixation testing, Maximize first line negative tests using  GOLD STANDARD Agarose Gel electrophoresis  Disposable Sample Plate  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 |  |  |  |  |
|  | **Incubator**  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* | 2 nos. |  |  |  |  |
|  | **Microtome**  Precision micrometer feed mechanism with a ‘monobloc’ system. Ergonomic microtome design safety locking device to lock the hand wheel. Section counter with reset. Front or lateral coarse feed. Pantented knife carrier system. Micrometer mechanism and coarse feed system in an enclosed housing vertical specimen movement on backlash and maintenance-free cross roller bearings.  Trimming Automatic  Specimen Movement Vertical, retraction in return stroke  Section Feed 0.5-60 um  Feed time for 2um 0.5um  Feed time for 10um 1um  Feed time for 20um 2um  Max Horizontal range 28mm  Vertical stroke 64mm  Capacity 1100 ml  Make: UK/USA/ECC/Japan.  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 1 no. |  |  |  |  |
|  | **Platelet Agitator**  Storage of 15 random bags or 5 apheresis bags  Built-in motion alarm with adjustable volume and delay.  Single fan for forced air cooling; QPS (Certified to UL and CSA Standerd)  Make: UK/USA/ EEC/Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 01 |  |  |  |  |
|  | **Urine Analyzer**  Automatic calibration  Built-in thermal printer  LCD Touch Screen 5.5Inch or more  Leucocytes, Nitrite, Urobilinogen, Protein, pH, Blood,Test Principal: Photoelectric Colometry  Data Memory: 2000 Patients Results or more  Country of origin should be UK/USA/ EEC/Japan Incase Equipment is from other countries FDA 510K Approval is Mandatory  (References required from reputable institutes like Civil, AKUH, SIUT, Sir ziauddin hospital Indus hospital and Dow.)  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 1 no. |  |  |  |  |
|  | **Water Bath**  Built-in stirrer . Microprocessor control  Volume: 30 Liters or better, Temperature Range: 5~99˚C  Temperature Precision/Stability: 0.1˚C/± 0.5˚C  Shaking Speed : 20-120 rpm  Make:UK/USA/EEC/Japan  Must be CE Marked  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 5 nos. |  |  |  |  |
|  | **Water distiller deionizer complete**  Processing capacity : 4 litres or more  Processing time: 7~8 hours or better .  Automatic control thermostat with block system at the end of operation.  Complete with 6 active coal 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 no. |  |  |  |  |
| **OPERATION THEATRE** | | | | | | |
|  | **Autoclave Double Door (CSSD)**  150 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 size : 450mm(dia) x 950mm (dep.)  Make: UK/USA/EEC/Japan.  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 2 nos. |  |  |  |  |
|  | **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 no. |  |  |  |  |
|  | **Bone Small Fragment Fixation Set**  Small Fragment Instrumentation Set  Containing:  Tap for screws Ø 3.5mm, length 110/50mm  Tap for cabcellous bone screws Ø 4.0mm, length 110/85mm.  Drill bit Ø 2.5mm, length 110/85mm, 2-flute, for quick coupling.  Drill bit Ø 3.5mm, length 110/85mm, for quick coupling.  DCP drill guide 3.5, for neutral and load position.  Drill sleeve insert 3.5/2.5, length 42mm.  Double drill guide 3.5/2.5  Triple drill guide 2.0, with 3 holes.  Depth gauge for screws Ø 2.7 to 4.0 mm, measuring range upto 60mm.  Screwdriver, hexagonal, small, with holding sleeves.  Screwdriver shaft, hexagonal, small, Ø 2.5mm.  Handle with quick coupling, self-holding, length 110mm.  Screw forceps, self-holding, length 85mm.  Sharp hook, length 155mm.  Bending iron for plates 2.4 to 3.5, length 145mm.  Bending iron for plates 2.4 to 3.5, length 145mm.  Bending template for LC-DCP 3.5 and DCP 3.5, length 87mm.  Bending template for LC-DCP 3.5 and DCP 3.5, length 114mm.  Bone holding forceps, self centering, speed lock, length 190mm.  Reduction forceps with points, ratchet lock, length 130mm.  Reduction forceps, toothed ratchet lock, length 140mm.  Reduction forceps, with points, wide, soft lock, length 127mm.  Reduction forceps, toothed, soft lock, length 146mm.  Bone holding forceps, self centering, soft lock, length 191mm.  Bone liver, width 15mm, length 160mm.  Bone liver, small, short narrow tip, width 8mm, length 160mm.  Periosteal elevator, slightly curved, straight edge, width 6mm, length 187/87mm.  Bone liver, small, short narrow tip, width 6mm, length 160mm.  Counter sink 3.5  LCP drill guide 3.5, for neutral and load position.  LCP drill sleeves 3.5, for drill bits, Ø 2.8mm.  LCP drill bit Ø 2.8mm with stop, length 165mm, for quick coupling.  Bone holding forceps, self centering, soft lock, length 191mm.  DLS drill guide 3.7, for drill bits Ø 3.1mm, length 165mm, 2-flute, for quick coupling.  Drill bit Ø 3.1 w/stop caliber L250/225.  Locking drill sleeves Ø 3.1 percut.  Made from imported stainless steel, Rust resistant and stain finish  **Uk/USA/EEC/Japan/China also**  **Local Manufacturers can Participate**  **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 no. |  |  |  |  |
|  | **Circussession 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* | 4 nos. |  |  |  |  |
|  | **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* | 3 nos. |  |  |  |  |
|  | **Disinfection Instrument Washer Double Door**  Fully automatic operation. From prewash, wash, rinse to dry. High class quality stainless material Transparent glass with lighting, easy to check. Chamber size: W520×D530×H600 mm, 165 LITERS Spray: 3 rotational cleaning arms with water spray nozzle. Dry stage: drying temperature 121℃ and keep 85min for sterilizing. Standard accessory: 2 Stainless steel racks for instruments  Make: UK/USA/EEC/Japan.  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 2 nos. |  |  |  |  |
|  | **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* | 40 nos. |  |  |  |  |
|  | **Electro Cautry**  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* | 1 no. |  |  |  |  |
|  | **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  **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 nos. |  |  |  |  |
|  | **Instrument Cleaner Super Sonic**  Ultrasonic Frequency 40,000 Hz  Tank Material Stainless Steel SUS304  Tank Capacity 600 ml  Timer 180S, 360S  , Digital timer  Power 35 W  Unit Size 175 x 110 x 155 mm ( L x W x H )  Tank Size 150 x 85 x 65 mm ( L x W x H )  Make: UK/USA/EEC/Japan.  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 1 no. |  |  |  |  |
|  | **Instrument Trolley**  Stainless steel trolley with plastic drawer internally divided in 4 sectors. 2 shelves with up stands on four sides. Revolving rubber castors Ø 80 mm (two with brake).  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* | 41 nos |  |  |  |  |
|  | **laparotomy set**  Knife Handle No.3  Knife Handle No.4  Knife Handel No.7  Forceps Holder, 8"  Forceps Holder, 10"  Forceps Holder, 12"  Mayo Disc. Scrs, 6 3/4" Str  Mayo Disc. Scrs, 6 3/4", Cvd  Metzenbaumscrs, 7" Cvd  Halstead Mosquito Fcps, Straight, 5"  Halstead Mosquito Fcps, Curved, 5"  Forceps, Kelly, 5 1/2" Str  Forceps, Kelly, 5 1/2", Cvd  Forceps, Rochester-Pean, 6 1/4", Cvd  Forceps,Rochester-Pean, 10 1/4", Cvd  Forceps, Rochester-Ochsner, 10", 1x2 th  Forceps, Mixter, 9"  Forceps, FoersterSPonge, 9 1/2", serr, str  Forceps, Allis Tissue, 6", 4x5th   |  |  | | --- | --- | | Forceps, Allis Tissue, 10" |  |   Forceps, Babcock Tissue, 6 1/4"   |  |  | | --- | --- | |  | Forceps, Babcock Tissue, 6 |   Make: UK/USA/EEC/Japan.  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 5 nos. |  |  |  |  |
|  | **Laryngoscope**  fiber optic laryngoscope with blades and halogen light source in the handle  Sterilizablewith re-chargeable batteries.  Make: UK/USA/EEC/Japan.  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 10 nos |  |  |  |  |
|  | **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* | 4 nos. |  |  |  |  |
|  | **Hydraulic 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  From 650 to 850mm or better  Lateral Tilt: -20˚ to + 22˚  Back Section,Adjustable from +80˚ to -25 ˚  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* | 8 nos. |  |  |  |  |
|  | **LED Ceiling Mounted OT Lights**  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 nos. |  |  |  |  |
|  | **Plaster cutter**  Compact, lightweight plaster cutter equipped with a cooling fan  With blade lock and adjustable guide and cutting depth gauge.  wide range of saw blades  Stainless steel blades .  non-stick blades with PTFE coating  Make: UK/USA/EEC/Japan.  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 2 |  |  |  |  |
|  | **Rigid Bronchoscope**  Optical fully integrated rigid bronchoscopes for procedures of bronchial system.  Telescope for bronchoscope with integrated optical view.  Light Source  light guide Cable  integrated irrigation channel  Foreign body forceps  Biopsy Forceps & instruments  Make: UK/USA/ EEC/Japan.  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 1 no. |  |  |  |  |
|  | **Pneumatic Tourniquet set**  Specification:  Display  mounting on mobile stand  Protocol printer  Integerated rechargeable battery for surgical use with 04 hours backup  Integerated cable & tubing holder integerated compressor  Automatic pressure regulation in the event of under & over pressure  Pressure calibration builtin cuff, arm & leg pressure 30to 600 mmHg.  **Integerated error analysis easy maintenance**  **Make: UK/USA/EEC/Japan**  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 3 nos. |  |  |  |  |
|  | **Surgical Instruments**  Metal Ruler 6’’ (1 Nos)  Scalpel Handle #3 (1 Nos)  Scalpel Handle#4 (1 Nos)  TC Wire Cutting Scissors Angled 4 3/4’’ (1 Nos)  Rochester-OchsnerFoersepsCvd 5 ½’’ (1 Nos)  Allies Tenaculum Forceps Delicate 5 ¾’’ (2 Nos)  TC Derf NH Serr 4 ¾’’ (1 Nos)  TC-Crile-Wood NH NarroeSerr 6’’ (1 Nos)  TC Ryder Micro NH Serr 6’’ (1 Nos)  Stevens Tenotomy Scissors Delicate S/S 4 ½’’ (1 Nos)  Stevens Tenotomy Scissors Delicate B/B 4 ½’’ (1 Nos)  Metzenbaum Scissors Cvd 4 ½’’ (1 NOs)  Reynolds Sciss Nar Tip Cvd 6 (1 Nos)  Semkin Dressing Forceps Delicate 5’’ (1 Nos)  Semkin Tissue Forceps 1x2 Teeth Delicate 5’’ (2 Nos)  Miller-Senn Retractor Double End Sharp 6’’ (1 Nos)  Iris Scissors str 4 1/8’’ (1 Nos)  Iris Scissors Cvd 4 1/8’’ (1 Nos)  Mayo Scissors Str 5 ½’’ (1 Nos)  Mayo Scissors Cvd 5 ½’’ (1 Nos)  Metzenbaum Scissors Cvd 6’’ (1 Nos)  Hartmann Mosquito Forceps Str 3 1/2 ‘’ (3 Nos)  Hartmann Mosquito Forceps Cvd 3 1/2 ‘’ (3 Nos)  Halsted Mosquito Forceps Str 5’’ (6 Nos)  Halsted Mosquito Forceps Cvd 5’’ (6 Nos)  Adson Dressing Forceps Serr 4 ¾’’ (1 Nos)  Adson Tissue Forceps Slide grasping 4 ¾’’ ( 1 Nos)  Allis Forceps 4x5 Teeth 6’’ (1 NOS)  Extra Delicate Allis Forceps 4x5 Teeth 5’’ 91 Nos)  Freer Dissector Double End S/B 7 (1 Nos)  Joseph Hook 1 Prong Sharp 6 ¼’’ (2 Nos)  Backhaus Towel Clamp 3 ½’’ (2 Nos)  Backhaus Towel Clamp 5 1/4’’ (6 Nos)  Cushing Nerve and Vein retractor 9 (1 Nos)  Frazier Suction Tube 7 French (1 Nos)  Frazier Suction Tube 8 French (1 Nos)  Crile Retractor D/E 4 ½’’ (1 Nos)  US Army Retractor (Set of 2) 8 1/2 ‘’ (1 Nos)  Senn retractor Double End Sharp 6 ¼’’ (1 Nos)  Ballenger Sponge Forceps StrSerr 7’’ (2 Nos)  Ballenger Sponge forceps CvdSerr 7’’ (2 Nos)  Foerster Sponge Forceps StrSerr 9 ½’’ (2 Nos)  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 nos. |  |  |  |  |
|  | **Surgical magnet**  Imported  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 1 |  |  |  |  |
|  | **Electric Dermatome battery operated**  Dermatome, foot pedal, motor cable, power console, electric blade, spare blade 10 each.  Cordless, battery operated and lightweight design offers optimum manoeuvrability and mobility.  Thickness adjustment can be fixed to prevent accidental change of graft thickness during cutting  Make: UK/USA/ EEC/Japan/China  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 1 |  |  |  |  |
|  | **Skin Graft Masher**  Single cuts graft ,geometrical shaped mash and enlarge skin surface.  Predetermine graft expansion by graft caring plates .multiple plate system .graft thickness adjustment for thin and thick grafts. Unit complete with skin graft carrier ,lights for graft carriers.  Make: UK/USA/ EEC/Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 1 |  |  |  |  |
| **EMERGENCY /ICU/CCU** | | | | | | |
|  | **Cardiac Monitor Multi Function**  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** | 39 nos. |  |  |  |  |
|  | **Crash 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  Make: UK/USA/ EEC/Japan.  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 25 nos. |  |  |  |  |
|  | **Dynamap (Vital Sign Monitor) with NIBP & SPO2.**  The unit should have function for monitoring, displaying, reviewing, storing and alarming of multiple physiological parameters of patients, including Pulse Oxygen Saturation (SpO2), Pulse Rate (PR), Non-invasive Blood Pressure (NIBP).  The monitor is intended to be used in outpatient departments and emergency treatment rooms of hospitals, community clinics, private clinics and other medical institutions.    Display: Min 7” or more Color Anti-glare TFT LCD  **data storage**  Clinic mode   Patient quantity:800 or more better  Recording number:upto 10000 or more  NIBP measurement record:5000 or more  Single Patient Mode:  Patient quantity:1  Trend data:resolution 1Min slot can store more than 90 hours  5Min slot can store 400 hours  10Min slot can store 900 hours  Alarm events:1000  Make:UK/USA/EEC/Japan Incase Equipment is from other countires FDA 510K Approval is Mandatory & Installation should be 200 Units in Pakistan.(also references required from reputable institutes like AKUH,SIUT, Sir ziauddinhpspital Indus hospital and Dow.)  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 26 nos. |  |  |  |  |
|  | **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/ECC/Japan.  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 3 nos. |  |  |  |  |
|  | **Nebulizer**  Power: 40W-70W with Heater  Crystal Operating Frequency: 1.60mhz or more  Particle Size: 0.5-6µm  Average Nebulization Rate: 0-5ml/min  Aerosol Tank: 650ml 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* | 7 nos. |  |  |  |  |
|  | **Nerve Stimulator**  Combined with NMS-STIM (Neuromuscular Stimulation) and ETS (EMG Triggered Stimulation)  Lightweight and portable  Automatic and manual threshold settings  Software for detailed progress tracking  Dua Channel Digital EMG Unit  Range 0.2μV to 2000μV  Sensitivity 0.1μV  Accuracy 4% of μV  STIM (Neuromuscular Stimulation)  Amplitude 0 - 90 mA  Constant current, maximum output voltage 70 Volts  Waveform Symmetrical, rectangular, bi-phasic with net zero DC current  Make: UK/USA/EEC/Japan.  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 1 no |  |  |  |  |
|  | **Sphygmomanometer**  Sphygmomanometers with fabric cuff with velcro  closure, reliable manometer with clip to be fixed on the cuff.  Scale 0-300 mmHg.  Air release at closed tap max 4 mm Hg/minute. Manual setting of deflation possible up to 2/3 mm Hg.  Make: UK/USA/EEC/Japan.  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 78 |  |  |  |  |
|  | **Steamer**  portable steam sauna  with 5-star stand  with ozone lamp  Rotary head  Time contral  Make: UK/USA/EEC/Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 8 |  |  |  |  |
| **OPD/ WARDS** | | | | | | |
|  | **A Scan Ultrasound**  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 no. |  |  |  |  |
|  | **Field Analyzer**  Maximum temporal range (degrees) 90  Stimulus duration 200 ms  Visual field testing distance 30 cm  Background illumination31.5 ASB  Threshold test library  24-2, 30-2, 10-2, Macula  Threshold test strategy  SITA Standard, SITA Fast, Full Threshold, FastPac  Screening test library  Peripheral test patterns  Screening test modes  Make: UK/USA/EEC/Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 1 |  |  |  |  |
|  | **Indirect Opthalmoscope**  Halogen ophthalmoscope for true tissue color. Illumination 24 color coded Lenses - 25 to + 40. Dioptres for excellent resolution (green for +, red for -) Rubber eye brow rest to prevent scratching of eye-glasses. Illumination lens dial for clear identification of dioptre setting. Complete with semi-rigid nylon bag.  Dust-proof , excellent brightness, 4 different apertures including green filter, suitable for all examination purposes.  Make: UK/USA/EEC/Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 1 no. |  |  |  |  |
|  | **Posterior VitRactomy**  Set of contact lenses (with concave contact surface) Silicon ring, Stainless steel ring with two notches, Central Fundus lens (Plano), Biconcave-90 D lens, 20° Prism lens, 30° Prism lens, Prismatic biconcave lens, Magnifying lens, Wide field lens  Make: UK/USA/EEC/Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 1 |  |  |  |  |
|  | **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* | 5 |  |  |  |  |
|  | **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 piece 12.5X. 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* | 2 nos. |  |  |  |  |
|  | **Sphygmomanometer**  Sphygmomanometers with fabric cuff with velcro  closure, reliable manometer with clip to be fixed on the cuff.  Scale 0-300 mmHg.  Air release at closed tap max 4 mm Hg/minute. Manual setting of deflation possible up to 2/3 mm Hg.  Make: UK/USA/EEC/Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 78 Nos |  |  |  |  |
|  | **Stethoscope**  High quality stethoscope with stainless steel chestpiece,stainless steel double inner spring PVC tubing for unsurpassed acoustic  performance. With foam lined box and 2 extra sets of soft eartips.Chestpiece: Ø 45 mm (adult), Ø 35 mm (paediatric).  Make: UK/USA/EEC/Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 87 nos. |  |  |  |  |
|  | **Tympanometer**  Portabletympanometer with two probes tones 226 for adults and 1000 Hz for infant.  Reflex screening, Reflex threshold and Reflex decay PC connectivity with software  Make: UK/USA/EEC/Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 1 |  |  |  |  |
|  | **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* | 4 nos. |  |  |  |  |
|  | **Rigid Oesophagoscope**  Esophagoscope large, length 43cm size 6.5mm  Esophagoscope Medium, length 30cm size 4mm  Esophagoscope small, length 26cm size 3mm  Camera for ultra-high sensitive endoscopy. CCD technology, 10 bit digital image processor  Complete with light source  Make: UK/USA/EEC/Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 1 |  |  |  |  |
| **MISCELLANEOUS** | | | | | | |
|  | **CCT SYSTEM**  Video format: NTSC/PAL Picture element : NTSC: 510(H) x 492(V).  Horizontal resolution : 380 TVL  Video out put : BNC 1.0Vp-p75 ohm  Sensitivity : 0.25 lux/F= 1.2  S/N Ration: over 48 B  Electronic shutter : 1/50 (1/60 ~ 1/100,00 sec  Back light comp: On/Off switch  Auto Gain control : On/Off switch  Fluroscent : On/Off Switch  Auto white balance  Auto Iris : Video Drive  Gamma correction : 0.45  Sync Mode: I line locked with LL on 2, internal Sync with LL off.  Phase control V-phase +/-90°  **Must be CE Approved**  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 1 no. |  |  |  |  |
|  | **Cold Storage (For Morgue)**  Morgue for 4 to 6 body storage with modular construction.  Complete with 2 bay, 2 tier 304 grade stain less steel storage cabinet, 80mm high density rigid insulation polyurethane insulation chiller, stain less steel height adjustable racking & rolling system, 304 grade stain less 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 no. |  |  |  |  |
|  | **Fax Machine**  Panasonic/sony/ LG /equivalent  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 1 no. |  |  |  |  |
|  | **Fracture Distracters**  Large Distractor complete  Threaded Rod ø14.0 mm,  length 480 mm, for Large Distractor  hreaded Rod ø 14.0 mm,  length 330 mm, for Large Distractor  Nut, knurled, for Large Distractor  Large Distractor – Tibia Technique Guide  Sliding Carriage with Adjusting Nut,  Double Joint, complete,  Holding Sleeve with Wing Screw,  length 55 mm, internal diameter 6.0 mm,  Holding Sleeve with Wing Screw,  length 105 mm, internal diameter 6.0 mm,  Drill Sleeve 5.0/3.5, long  Drill Sleeve 6.0/5.0, long with thread  Instrument Set for Large Distractor  in Sterilization Tray  **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 |  |  |  |  |
|  | **Generator 550KVA**  Complete with installation  Make: UK/USA/EEC/Japan  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 1 |  |  |  |  |
|  | **Split Air conditioner 1.5Ton**  Haier/LG/Dawlance/Orient/Equivalent  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 22 |  |  |  |  |
|  | **LED Television Set 32 inch**  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 1 |  |  |  |  |
|  | **Water Cooler**  **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* | 8 |  |  |  |  |
|  | **Life (Elevator)**  With complete installation  *Warranty period shall be of three years starting from date of supply of equipment to the consignee end* | 2 |  |  |  |  |
|  | **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 no. |  |  |  |  |
|  | **Scrub**  Stainless steel and welded construction with a satin finish .Hand free operation by easy knee control for water. Constant temperature mixing valve control for water temperature. Constant pressure valve control maintains a constant for water pressure.  NUMBER OF SINK: 1 sink . Over-all dimension mm: W813/D635/H1240. Spray-head: 1 head  Soap feed pump: 1 pump  **Local Manufacturers only can Participate directly**  **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* | 8 nos. |  |  |  |  |