TENDER SPECIFICATIONS FOR PURCHASE OF MEDICAL EQUIPMENT

SHAIKH ZAYED HOSPITAL LAHORE

TENDER OPEN ON

28 March 2019

DEPARTMENT OF GASTROENTEROLOGY

PVMS OF MEDICAL EQUIPMENT	
Clinical Specialty	Endoscopy
Generic Name	**HIGH DEFINITION VIDEO GASTROSCOPE**
Clinical Purpose	To diagnose , Treat , Therapy of Esophageal , stomach for ulcer, gastric cancer , Biliary Diseases, Barret'sesophageal treatment for Peads Patients

TECHNICAL SPECIFICATIONS	
High Definition Video Gastroscope with CCD / CMOS and advanced technological features	
Field of view	140 degree
Direction of view	Forward viewing
Depth of field	2 -100 mm or better.
Insertion tube diameter:	9.8 mm or less
Channel inner diameter:	2.8 mm or more
Bending Section:	Up 210°, Down 90°, Right 100°, Left 100° or better
Working Length:	1030 mm or more
Observation facility for greater contrast of blood vessels and mucosa.	
Accessories:	
Optional (If any):	

PVMS OF MEDICAL EQUIPMENT	
Clinical Specialty	**Endoscopy**
Generic Name	**HIGH DEFINITION VIDEO GASTROSCOPE (THERAPEUTIC)**
Clinical Purpose	For the Therapeutic, cutting, treatment, resection, and usage of electrosurgical unit and laser treatment for mucosal and submucosal dissection and diagnosis.

TECHNICAL SPECIFICATIONS

High Definition Video Gastro scope (Therapeutic) with CCD / CMOS and advanced technological features

Field of view:	140° or better
Direction of view	0° (Forward Viewing)
Depth of field	4 - 100 mm or better
Distal end diameter	11 mm or less
Insertion tube diameter	11.6 mm or less
Channel inner diameter	3.2 mm or more **OR** 3.7 mm or more **(I.O. TO SPECIFY)**
Working Length:	1030mm or more
Angulations:	Up 210°, Down 90°, Right 100°, Left 100° or better

Observation facility for greater contrast of blood vessels and mucosa

Accessories: Standard Set of Accessories including 02 reusable Biopsy forceps.

PVMS OF MEDICAL EQUIPMENT	
Clinical Specialty	Endoscopy
Generic Name	**HIGH DEFINITION VIDEO COLONOSCOPE (THERAPEUTIC)**
Clinical Purpose	Therapeutic colonoscope used for the hemostasis, resection andablation of benign and malignant disease, decompression and recanalization of obstructed or dilated bowel, as well as foreign body extraction.

TECHNICAL SPECIFICATIONS

High Definition Video Colonoscope (Therapeutic) with CCD / CMOS and advanced technological features

Direction of view:	Forward viewing
Field of view	140° or better
Depth of field	2 - 100 mm
Distal end diameter	13.2 mm or less
Insertion tube diameter	12.8 mm or less
Channel inner diameter	3.7 mm or more
Working Length:	1650mm or more
Angulations:	Up 180°, Down 180°, Right 160°, Left 160° or better

Water jet function.
Observation facility for greater contrast of blood vessels and mucosa
Gradual Stiffness / Graduated Decreasing Flexibility / RIT

Accessories:

Optional (If any):

PVMS OF MEDICAL EQUIPMENT	
Clinical Specialty	Endoscopy
Generic Name	**DUODENO VIDEO SCOPE**
Clinical Purpose	To diagnose and treat conditions associated with the pancreatobiliary system.

TECHNICAL SPECIFICATIONS

Video Duodenoscope with CCD / CMOS and advanced technological features

Field of view:	100°
Direction of view	5°-10° or better(Backward Viewing)
Depth of field:	5 - 60 mm or better
Distal end diameter:	13.7 or less
Insertion tube diameter	11.6 mm or less
Working length:	1200 mm or more
Channel inner diameter:	4.2 mm
Angulation :	Up 120° Down 90° Right 105° Left 90° or better

Observation facility for greater contrast of blood vessels and mucosa.

Accessories:

Optional (If any):

PVMS OF MEDICAL EQUIPMENT	
Clinical Specialty	Endoscopy
Generic Name	**ENDOSCOPIC WASHER & PRE-PROCESSOR (IMPORTED)**
Clinical Purpose	To disinfect the scope from viral and bacterial contamination.
TECHNICAL SPECIFICATIONS	
Automatic High Pressure Washing & Cleaning capability Free standing type Applicable scopes, Flexible endoscopes Number of reprocessed scopes 01/ 02 at a time Number of washing basin 01/02 Cleaning time setting, 1-10 minutes Disinfection time setting 5-60 minutes Display of Parameters Compatible with quoted scopes Complete with all accessories. Ready to use	
Accessories:	
Optional (If any):	

HIGH DEFINITION VIDEO PROCESSOR WITH SEPERATED OR INTEGRATED LIGHT SOURCE & ASSOCIATED OR BUILT IN VIDEO RECORDER (Video System + Recorder + Light Source)

PVMS OF MEDICAL EQUIPMENT	
Clinical Specialty	Endoscopy
Generic Name	**HIGH DEFINITION VIDEO SYSTEM CENTRE (HD)**
Clinical Purpose	It helps in vivo diagnostic ensures faster detection, easier demarcation and characterization of gastrointestinal lesions to support improved patient outcomes.
TECHNICAL SPECIFICATIONS	
High Definition Video System having following features. HD-SDI and DVI outputs HD Image Quality with 1920x1080 Resolution Programmable functions through endoscope switches White balance adjustment Automatic gain control Freeze screen display Patient data/image storage facility keyboard for data handling Capable for visual enhancement and differentiation of vessels and Capillaries.	
Accessories: Standard Accessories with Leakage Taster.	
Optional (If any):	

PVMS OF MEDICAL EQUIPMENT	
Clinical Specialty	Endoscopy
Generic Name	**RECORDING SYSTEM/IMAGE CAPTURING DEVICE**
Clinical Purpose	To record HD Images and videos of the procedures and can be used for patients records and comparing the studies and teaching purposes
TECHNICAL SPECIFICATIONS	
Separate or built in medical grade digital video HD recorder. Having built in recording facility with integrated 450GB or more Hard Drive.	
Accessories:	
Optional (If any):	

PVMS OF MEDICAL EQUIPMENT	
Clinical Specialty	Endoscopy
Generic Name	**XENON LIGHT Source 300W**
Clinical Purpose	It enables visualization of gastrointestinal mucosal structures also contributing to clear and more detailed visualization of mucosa.
TECHNICAL SPECIFICATIONS	
Separate or built in advanced 300W Xenon light Source for Video Scopes. Average lamp life, Approx 500 hours Emergency Lamp Halogen or LED. Brightness level adjustable. High intensity mode. Air pump. Monitoring of lamp usage.	
Accessories:	
Optional (If any):	

DEPARTMENT OF GYNAE AND OBS

Clinical Specialty	Obstetrics and Gynecology
Generic Name	**Manual Delivery Table**
Clinical Purpose	Delivery Bed is used during labor for delivery purpose.
TECHNICAL SPECIFICATIONS	
Refer to the specifications of Manual Delivery Table as defined in the PVMS of Medical Furniture.	

PVMS OF MEDICAL EQUIPMENT

Clinical Specialty	Radiological Equipment
Generic Name	**PORTABLE /MOBILE ULTRASOUND**
Clinical Purpose	It is immediately available imaging modality with its main use in obstetrical and antenatal care likewise in conditions when ionizing radiations are contra indicated.

TECHNICAL SPECIFICATIONS

Digital Ultrasound scanner with digital beam former System should be capable to handle multi frequency probes from 3.0 MHz to 9.0 MHz or above. Built-in Trolley System.
Multi frequency Convex Probe with center frequency between 3 to 5 MHz
Multi frequency Linear Probe with center frequency between 5 to 7.5 MHz
Biopsy adopter for any probe
Modes: B.M and combination thereof.
M. Mode sweep: 4 speed or more.
Gray scale: 256
Sensitivity time gain: 8-12 steps
Depth: 24 cm or more
Focusing system: 3 steps and dynamic
Adjustable acoustic power
Frame rate: 80 frame / sec or more
Keyboard: Alpha numeric with track ball / Touch pad
Tissue Harmonics: Tissue Harmonic imaging
Cine memory of 64 frames minimum
Post processing: Image inversion, edge/echo enhancement correlation / persistence/Dynamic range/Gamma Curve.
Image magnification 4x or more in real time.
Monitor: 12" LCD / TFT
Two probe connectors or more.
System must be DICOM compatible

Accessories :
1. Thermal Printer 256-Gray scale (Sony, Mitsubishi or equivalent)
3. UPS: on line with sine waves 2 KVA with thirty minutes back up time. (IMPORTED)
3. 50 High Density / High Glossy thermal paper Rolls
4. Gel: 20 liter

OPTIONALS:
Foot Switch
Multi-frequency Linear Probe with center Multi-frequency between 5 - 7.5 MHz
Biopsy Adaptor for Any Probe
Multi-frequency Endocavity Probe with center Multi-frequency between 5 - 8 MHz (90-150 degree)

DEPARTMENT OF GENERAL SURGERY

Clinical Specialty	**OT General Surgery**
Generic Name	**OPERATING LAPROSCOPE ADULT**
Clinical Purpose	Laparoscope is used for the surgical procedure in which fine instruments are inserted through abdominal wall to view the organs in the abdomen or permit small scale surgery.

TECHNICAL SPECIFICATIONS

Imaging system should have backward and forward compatibility and modularity for futures upgrade and with latest image enhancement modules for better image quality and identifications of the land marks and pathology for better outcomes of the surgery

The laparoscope and all allied components of these specifications shall be provided with full HD minimum of 1920 x 1080 pixels with the method of Progressive Scanning.

Telescope

- Diameter 10 mm, 0°working length 290-310 mm.
- 10 mm straight, 30° view working length 290-310 mm.
- 5 mm straight forward "0" degree.
- 5 mm forward oblique "30" degree

Camera Full HD

- Camera control unit and video camera Head, Pal system.
- Resolution 1920 x 1080 pixels progressive scan
- Integrated (image processing model)
- Power supply 100-240 VAC 50 Hz

Special Feature Required:

- Automatic while balance
- Powerful video signal processing
- Image enhancement modes
- Picture in picture mode control via camera head button
- Control of peripheral i.e. light source, recording system parameter via camera head button
- Still image capturing in full HD quality (JPEG) format via camera head buttons
- Video capturing in full HD quality (MPEG 4 format) via camera head buttons
- Grid & pointer mode for teaching and training purpose
- 20 individual preset or better
- 20 patient data backup or better
- Should have compatibility with future upgrade like flexible scope, 3 D or better or equivailent.
- Max. resolution : 1920 x 1080 pixel, progressive scan

Video Output:

- Composite signal to BNC socket
- S-video signal to 4-pin, mini DIN socket (2X)
- RGB signal to D-sub socket

- DV signal to DV socket (only with DV module)
- SDI signal to BNC socket (only with SDI module) (2X)
- HDTV signal to DVI-D socket

Monitor

Medical graded Full HD LCD/LED 26 inch from the same manufacturer.

Imported Trolley

Light Source

300 watt Xenon / LED with all standard accessories, (The replacements of lamps shall be the responsibility of supplying firm during warranty period)

Light guide cable, diameter 6mm or more, Length minimum 200 to 300 cm

Electronic CO2 insufflator

40-50 liter/min, complete in all respect with all standard accessories.

Clip applicators.

Trocar with trocar sleeve 10mm Approx.

Trocar with trocar sleeve 5mm Approx.

High flow veress needle.

Suction Irrigation System complete in all respects with all standard accessories.

Reducing sleeve.

Integrated / separate medical graded video recorder with storage capacity of 500 GB or more.

Accessories:

(i) Online 2KVA UPS with 30 min backup to be provided locally.
(ii) CO2 Cylinder 240CFT with complete accessories (to be supplied locally) certified by respective agency.
(iii) Imported storage boxes for instruments and optics.
(iv) Imported disinfection boxes.
(v) Standard cleaning set as per manufacturer recommendations for cleaning of tubular shafts and other instruments.
(vi) Diathermy leads Autoclaveable.
(vii) Bipolar forceps and lead.

LIST OF INSTRUMENTS REQUIRED FOR GENERAL SURGERY

Note: the minor variation in size and type of the instruments would be acceptable.
The size of instruments is approximate. The mentioned shape and style of instruments is for reference and may be quoted their equivalent.

- **Hasson Cone:**
  Trocar size 10/11 mm (with color code) with cannula & multifunction valve, length 10.5 cm, pyramidal tip & conical tip one.
- Trocar size 5/6 mm (with color code) cannula & multifunction valve length 6cm, conical tip & 8.5 cm pyramidal tip.
- Reduction sleeve 11/5 mm (Compatible).
- Veresspneumo peritoneum needle with spring loaded blunt sty let with leur lock 7cm and 13cm.

- Maryland dissecting forceps slightly curved with Cannula pin for unipolar coagdia 5mm, length 30-36 cm, insulated, relatable.
- Dissecting forceps insulated rotatable needle nose.
- Reddick-Olsen dissecting and grasping Forceps, heavy.
- Dissecting and Grasping forceps, alligator jaws with connector pin for unipolar coagulation, size 5mm. (rotatable, straight)
- Dissecting and Grasping Forceps, (Kelly's)with connector pin for unipolar coagulation, size 5mm. length 30-36 cm length, double action jaw.
- Dissecting and grasping forceps, (Kelly's)with connector pin for unipolar coagulation, size 5mm36 cm length, double action jaw grasping forceps with teeth with connector pin for unipolar coagulation, size 5mm double action jaw with ratchet.
- Multifunction grasping forceps, 1x2 teeth with connector pin for unipolar coagulation, size 5mm
- Bowel grasping forceps, two rows of traumatic teeth without connector pin for unipolar coagulation, size 5/10mm.
- Bowel Grasping Forceps With connector pin for unipolar coagulation, size 5/10mm.
- Babcock Grasping Forceps rotating, dismantling with connector pin for unipolar coagulation, size 5/10mm. (with ratchet).
- Babcock Grasping Forceps rounded without connector pin for unipolar coagulation, size 5/10mm.
- Claw forceps, single/double/action jaw, with teeth, size 5/10mm, length 33-36, 01short, rotating consisting of metal handle with ratchet, outer tube, insulated, forceps insert.
- Clip applicator (medium large) & medium, rotating, ratchet with clips.
- Tenaculum forceps, rotating, size 5/10 mm, length 33-36 cm, and metal handle with ratchet, outer tube, insulated, and forceps insert.
- Metzenbaum scissors, curved rotating, with connector pin for unipolar coagulation, size 5 mm, length 33-36 cm insulated handle, outer tube, insulated.
- Curved/angled scissors, rotating, size 5mm, length 33-36cm: insulated handle, outer tube, insulated.
- Micro scissor curved 5mm, insulated with diathermy .
- Hook scissor single action jaws, size 5 mm, length 33-36 cm: insulated handle, outer tube, insulated, insert.
- Scissor straight 5mm insulated with diathermy.
- L Shaped dissecting electrode /diathermy size 5mm, insulated, length 33-36 cm (L-hook dissector).
- Coagulating and dissecting electrode, spatula-shaped, blunt with connector pin for unipolar coagulation, size 5 mm, working length 33-36cm.
- (Injection) Aspiration needle 5mm.
- Biopsy forceps insulated (5mm).
- Bipolar diathermy electrode .
- Uterine cannula, with 2 cones, large and small spring-loaded fixation for forceps with luer-lock adaptor for cleaning.
- Uterine tenaculum forceps, length 22cm.
- Suction and coagulation cannula, 3mm, with connector pin for unipolar coagulation, 30cm.
- Dissecting electrode l and j shaped.
- Needle holder 5 mm
- Needle grasper 5 mm
- Thread manipulator 5 mm
- Retractor 10 mm (3 blade)
- Knot pusher

DEPARTMENT OF ORTHOPAEDIC

Clinical Specialty	**Orthopedic Surgery**
Generic Name	**MOBILE C-ARM IMAGE INTENSIFIER**
Clinical Purpose	A device used to make a brighter version of an image on a photoelectric screen

TECHNICAL SPECIFICATIONS

C-arm x-ray unit mobile for radiography and fluoroscopy

High frequency, power output of 2-3KW or more.

40 to 110KV with one shot fluoroscopy facility of 6mA or more.

X-ray tube with stationary anode or better

Single/Dual focal spots of 0.6 and 1.4/1.5 mm

Automatic fluoro dose control

Collimator : Adjustable collimator, iris and blades diaphragms motorized with x-ray grid

TV camera: High sensitivity, CCD camera.

Display : Two 48cm (19") LCD/LED monitors

Digital video memory

Noise reduction filter, last image hold, pulsed fluoroscopy

Edge enhancement, image inversion to be provided

Real time digital image rotation

Fluoroscopy footswitch: one cassette holder 24x30cm

Laser localizer lights cross beam type.

System should have DICOM Compatibility

Provision of USB Port

ACCESSORIES:

UPS: Online sine wave compatible UPS with 20 minutes backup

Protection: Lead aprons, Lead goggles, thyroid shields etc

OPTIONAL :

Thermal Printer

2 TB HDD for external Back Up

Note:

The minor variation in sizes would be acceptable and shall not be considered as reason of rejection

DEPARTMENT OF PEADS SURGERY

Technical Specifications of Pediatric Laparoscope

Pediatric Laparoscope with High Definition Camera System

S.No	Description	Qty
1	Straight Forward Telescope 30° enlarged view, diameter 3.3 mm, length 25 cm, autoclavable, fiber optic light transmission incorporated, with protective tube for telescope.	1
2	Straight Forward Telescope 30° enlarged view, diameter 5 mm, length 30 cm, autoclaveable, fiber optic light transmission incorporated, with protective tube for telescope	1
3	Trocar with Cannula size 3.5 mm, consisting of Trocar with cannula with locking mechanism inside the body with Luer lock connector for insufflation. Length 3-3.5cm, with silicone leaflet valves.	4
4	Trocar with Cannula size 5 mm, consisting of Trocar with cannula with locking mechanism inside the body with Luer lock connector for insufflation. Length 5 -7 cm.	4
5	Dissecting and Grasping, Atraumatic Forceps, rotating, size 3.5 mm, length 20 -22cm, with connector pin for unipolar coagulation, double action curved jaws, reusable, insulated without ratchet.	2
6	Dissecting and Grasping, Atraumatic Forceps, right angled jaws, rotating, size 3.5 mm, length 20 -22cm, with connector pin for unipolar coagulation, double action jaws, reusable, insulated without ratchet.	2
7	Tooth, Grasping forceps rotating, size 3.5 mm, heavy jaw, double action jaws with ratchet.	2
8	Intestinal Grasping Forceps, rotating, size 3 .5 mm, length 20 cm , with connector pin for unipolar coagulation, double action jaws, with LUER Lock adaptor for cleaning,	2
9	Dissecting and Grasping, Atraumatic Forceps, rotating, size 3.5 mm, length 20 -22cm, with connector pin for unipolar coagulation, single action jaws, reusable, insulated with ratchet.	2
10	Universal Grasping Forceps, rotating, size 3.5 mm, length 20 cm, with especially atraumatic fine serration, with connector pin for unipolar coagulation, single action jaws, heavey with LUER lock, adaptor for cleaning, insulated	2
11	Metzenbaum Scissors, rotating, dismantling, insulated, with connector pin for unipolar coagulation, with LUER-Lock, irrigation connector for cleaning, double action jaws, serrated, curved, conical, size 3.5 mm, length 20 cm	1
12	Micro Hook Scissors, rotating,insulated, with connector pin for unipolar coagulation, with LUER-Lock, irrigation connector for cleaning, single action jaws, size 3.5 mm, length 20 cm	1
13	Needle Holder, with tungsten carbide insert, straight handle with disengageable ratchet, jaws curved to left, size 3 .5 mm, length 20 cm,	1
14	Needle Holder, with tungsten carbide insert, straight handle with disengageable ratchet, jaws curved to right, size 3 .5 mm, length 20 cm,	1

15	Palpation Probe, distendable, size 3.5 mm, length 20 cm, Handle, outer tube with insert	1
16	Bipolar Kelly Grasping Forceps, with connector pin for bipolar coagulation, especially suitable for dissection, double action jaws, size 3.5 mm, length 20 cm,	1
17	Bipolar Grasping Forceps, with connector pin for bipolar coagulation, with especially fine, atraumatic serration, fenestrated, double action jaws, size 3.5 mm, length 20 cm Plastic Handle, forceps insert with outer sheath	1
18	Bipolar Scissors, with connector pin for bipolar coagulation, curved blades, double action, jaws, size 3.5 mm, length 20 cm Scissors Insert with Outer Sheath, Handle	1
19	Coagulating and Dissecting Electrode, L-shaped, tapered tip, with connector pin for unipolar coagulation, size 3 .5mm, length 20 cm	1
20	Complete & functional Suction and Irrigation Unit with Tube, with lateral holes, size 3.5 mm, length 20 & 30 cm, for use with handles for suction & irrigation. Pistol Grip Handle, with clamping valve, for suction and irrigation, autoclavable.	1
21	Unipolar High Frequency Cord, for use with laparoscopic forceps, length 300 cm, for use with HF system and Bowe & Martin type ICC	1
22	Bipolar High Frequency Cord, length 300 cm,	1
23	Babcock Grasping Forceps, fenestrated, rotating, 3.5 mm, length 20cm double action jaws, with LUER lock Adaptor for cleaning, with Metal- handle, with ratchet	1
24	Babcock Grasping Forceps, fenestrated, rotating, 3.5 mm, length 36 cm double action jaws, with LUER lock Adaptor for cleaning, with Metal- handle, with ratchet	1
25	Knot pusher(tier), for extracorporeal knotting, size 3.5mm, length 30cm. Round tip with hole.	1
26	Clip applicatior reusable, autoclavable size 5 mm, length 30cm, usable for locally available clips	1
27	Reduction sleeve 5 mm to 3.5 mm	2
28	Reduction sleeve 10 mm to 5 mm	2
29	Extra silicon caps & rubbers for 3.5mm & 5mm for each trocar and reducing sleeves .20 for each.	
30	Extra-long sterile container for Endoscopic Instruments with sheath length of up to 400-420mm. Container should be with base and lid perforation to make it suitable for steam sterilization. Filters life should be at least 5000 sterilizations cycles. Supplied with: · Storage rack for MIS instruments comprises; storage rack, long perforated tray and silicon mat for instruments holding	1

31	Digital FULL HD videoprocessor module with integrated/Saperate documentation function for image and video capturing (should be from same manufacturer) • 2 x DVI-D output, • 1 x 3G-SDI output, • 3 x camera input for communication with compatible camera modules, • LAN connection, • 4 x USB connection (2 x front, 2 x back). • Max. resolution: 1920 x 1080 pixels. • Power supply: 50/60 Hz, 200 - 240 VAC, compatible with local power supply. • Still image capturing in FULL HD quality • Video capturing in FULL HD quality • Medical USB printer compatible (plug& play). • Automatic adjustment of light intensity of light source via camera head buttons. • White balance button on front plate of video processor module. • Control of complete Endovision system can be realized from camera head from sterile area. Including: • FULL HD video processing module • Power cable, length 300 cm • Silicone keyboard with touchpad • DVI-D cable, length 300 cm • USB Hard disk drive, 1 TB for Data Storage preferable internal storage • Communication bus cable • Unit should be workable & complete with all standard accessories.	1
32	Digital three-chip camera head full HD Technical data: Image sensor: 3 x 1/3" CCD chip Pixels: 1920 (h) x 1080 (v) pixels per chip. CCD chip supports: 16:9 input format Minimum light sensitivity: 1.17 Lux (f = 1.4 mm). Control buttons on camera head(freely programmable) The camera head should be compatible with the ETO-Gas Sterilization A suitable sterilization tray should be available to safely store the camera head during sterilization.	1
33	Light Source LED with integrated , high-performance LED and one light outlet, • power supply 110 - 240 VAC, 50/60 Hz	1

	Specification: • Lamp Life: Minimum 30,000 Hours • Light Out Let: 1 • Lamp Type: High-Performance LED • Can be controllable with camera head button • Operation mode: Auto/ Manual • Display: Digital • Unit should be workable & complete with all standard accessories.	
34	Fiber Optic Light Cable, with straight connector, diameter 3.5 mm, length 200cm	1
35	FULL HD Monitor,With LED Back Light For Low Energy, should be more than 25 inches size Picture-in-Picture (PiP) And Picture-by-Picture With Medical Grade FDA, UL & CE Approval. power supply 85 - 264 VAC, 50/60 Hz, Video inputs: DVI, VGA, S-Video, Composite /FBAS Video outputs: DVI, S-Video, Composite/FBAS including: External Power Supply Mains Cord and any adaptor. Should be from same Manufacturer. Unit should be workable & complete with all standard accessories.	1
36	CO2 INSUFFLATOR 40-45 liters Set, with integrated module, • power supply 100 - 240 VAC, 50/60 Hz Special Features: • High Degree of patient safety • Touch panel for precise preselection of set values • Optical & acoustic alarm signals in the event of patient overpressure • Fully automatic, electronically controlled gas refill (e.g in case of gas loss when changing instruments) • Built in preheating element (Mandatory) • Gas Flow 0-45 l/min • Pressure: 0-40mmHg (3990Pa) • Gas CO2 • Measuring/ Control System Electronic • Parameter Display ○ Insufflation Presuure ○ Intraabdominal Pressure: ○ Gas Flow ○ Gas Consumption :0-999 L • Power Supply 100-240 VAC, 50/60 Hz Including:	1

	• Main Unit • Connecting Cable, length 100 cm • Universal Wrench • Insufflation Tubing Set, with gas filter, sterile and extra gas filters • Unit should be workable & complete with all standard accessories.	
37	High Pressure Hose.	1
38	CO2 Cylinder (Large)	1
39	Reusable Veress Needle with spring - loaded blunt inner cannula, luer lock, autoclaveable, 2.1 mm, length 7cm	4
40	Imported Trolley Powder Coated Rides on 4 Antistatic, Dual Wheels, Equipped with Locking (Front) 2 Fixed, Shelves, 1 Drawer Unit with Lock , minimum load capacity 200kg, with electric supply for all units.	1
41	Pyloric knife 3.5mm, 10 cm length with extra blades (10)	1

DEPARTMENT OF PULMONOLOGY

1. Video Bronchoscope System

Video Bronchoscope Qty 02

A forward looking bronchoscope system capable of diagnostic procedures in pulmonary diseases is required.

Field of view: 100 to 120 degree or better

Depth of field: 3mm – 50 mm or better

Distal end outer diameter: 5.8mm to 6.6mm

Insertion tube outer diameter: 5.8 mm to 6.6 mm

Working length: 600 mm to 650mm

Total length: up to 900mm

Channel inner diameter: 2.8 mm to 3.0mm

Angulation achieved up 180 degree down 130 degree

Set of accessories including alligator forceps, fenestrated forceps, electrocautry probe and TBNA Needles (two each)

High Definition Video Processor (1)

Compatible with analog, HD-SDI, DVI outputs

Image enhancement setting

Data storage and transfer capability

Forty five or more patient data can be registered

Twenty or more user setting can be registered.

Compatible light source (1)

Xenon Light source 300W

Average lamp life: 500 hours or better

Forced air cooling

Automatic light control

Recording System (Separate) (1)

HD Recording System

450 GB or more Hard Disk Space

USB drive

HD LCD/ LED Medical Grade Monitor 26” or larger (1)

Local Auto Disinfector (1)

Local Trolley (1)

Imported Leakage Tester (1)

Note: All the required system should be mounted on one trolley.

USA/EUROPE/JAPAN

2. Argon Plasma Coagulation Quantity: 01

Consisting of microprocessor controlled electro surgery with digital display of power on LCD.

Automatic power regulation separate controls for monopolar & bipolar functions.

Monopolar coagulation 120 W or better
Monopolar soft coagulation mode, monopolar forced coagulation mode, monopolar endo mode, bipolar coagulation mode, visual and audible signals.
Organ plasma coagulation with digital instrument recognition, adjustable gas flow Re-usable silicone electrode / patient plate.
Two pedal footswitch
Pressure reducer with sensor
connecting cable
Re-useable flexible probe diameter 2.3 mm length 2m to 2.2 m
Re-useable flexible probe diameter 1.5 mm length 1.2m to 1.5 m
Argon gas cylinder with local trolley.
USA/EUROPE/JAPAN

DEPARTMENT OF UROLOGY

Clinical Specialty	Radiological Equipment
Generic Name	**Digital Color Doppler (High End) for urological Applications**
Clinical Purpose	It is immediately available imaging modality with its main use in obstetrical and antenatal care likewise in conditions when ionizing radiations are contra indicated.

TECHNICAL SPECIFICATIONS

Color Doppler with Fully Digital Beam former having 2D / M-Mode and Doppler Facilities, (PW, HPRF, & Color Flow Imaging) with High Resolution Imaging Doppler Signal Quality; having DICOM Compatibility and Upgradeable to CW and 4D Imaging in Convex, Linear and Endocavity Probe.

B-MODE Specification:

- Sector Scan Angle Variable in Four Steps.
- Viewing Depth: 30 cm Minimum (Both in B & W and Color)
- Frame Rate: 500 f/sec or more
- Built-in cine loop with ability to vary reverse and slow motion of display; Internal Memory 2000 / 200MB or more Color Images.
- Real time and Freeze Image Magnification at least 10X or more with panning for Real, Freeze and Memorized Images.

M-MODE SPECIFICATION:

- Magnification: X2 or more.
- Sweep Speed: Slow, Medium and Fast.
- Color Display of M-Mode.

D-MODE SPECIFICATION:

- Pulse-Wave Doppler Measureable Velocity Range.
- HPRF Doppler.

CONTINUOUS-WAVE DOPPLER:

- Measurable Velocity Range: Steerable.
- Must have Doppler Beam Steering and Bi-Directional Stereo-Audio.
- Colorized Spectrum Display.
- Automatic Baseline and Velocity Range Control.
- Live Measurements for Doppler Spectrum.

COLOR DOPPLER MODE SPECIFICATIONS :

- Both CW and PW Doppler must be Continuous Steerable in the Color Blood Flow Image
- Mode in Real Time.
- 2D Image with Color, CW and PW Doppler.
- Windows based System for easy usage with Programmable Control Panel Keys.
- Tissue Harmonic Imaging with 4THI or more Frequency.
- Power Doppler.
- Triplex Mode for Simultaneous Display of Color B/M and D-Mode Displays.
- 200 db system dynamic range or more.

MEASUREMENT PACKAGE:

To provide Comprehensive Software Package for Measurement of Distance, Circumference, Area, Time Depth, ANGLE, Velocity, Frequency, Heart Rate, Volumes, Nuchal Thickness/ Measurement Software to be Provided as a Standard.

- Tissue Doppler Imaging Mode.
- Pure Wave / Pulse Inversion / Differential Tissue Harmonic Imaging to Enhance Effective Wide Band Frequency Range to provide Simultaneously Spatial Resolution, Contrast Resolution and increased Penetration using Two Transmission Pulses at Different Frequencies Simultaneously and Reception at Harmonic as well as Differential Component.
- Auto Image Optimization / Quick Scan Imaging for Automatic STC / GAIN and Doppler Spectrum Adjustment with Optimal Image Quality by using One Touch Operation.
- B-Flow / Dynamic Flow Imaging / E-Flow / Clarify.
- Trapezoid Imaging / Virtual Convex Imaging with Linear Probe.
- Compound / Aplipure Imaging for THI/both Frequency Compounding and Spatial Compounding in B/W and Color Mode.
- Panoramic / SIESCAPE / Logic view Imaging with Measurements.
- Tissue Contrast Enhancement Software/Spectral Reduction
- N-Sight / Adaptive Suppression / Precision Imaging /Cross beam / XFlow or equivalent to Enhance B-Mode Imaging, Xress / Ccare / DTCE or equivalent Detailed in Layers and Boundaries and Sharpened Outlines of the Lesions and reduce Cluttering.
- Micro CPA / Superb Micro Imaging/vascular enhancement/B flow with Color/spectral to Clearly Show Blood Flow in tiny Vessels.
- Shear wave Elastography with Quantification for body Organs specially Liver with Convex & Linear Probes to visualize Tissue Stiffness by Generating Images through Shear Wave Propagation.

SYSTEM COMPLETE WITH FOLLOWING FACILITIES AND ACCESSORIES:

- 19-Inches Minimum LCD / LED Color Monitor, with Resolution 1280 x 1024 Pixels minimum.
- Foot-Switch.
- 3 to 4 Active Transducer Connector for Tran thoracic Probes DVD / CD Drive for Image
- Storage to be Built-in to the System.
- 100 GB or more Hard Disk Drive to be Built-in to the System.
- Built-in DICOM Compatibility. (3.0 with all components)
- Touch Command Screen Control at least 8-inches LCD / TFT or more.
- Full DICOM (Upgradable)
- Probes must be supplied by same manufacturer.

UPGRADEABILITY :

- System Software must be Upgradable.

STANDARD PROBES :

- 2 – 6 MHz Multi-Frequency Convex Probe for B/M/CDI/PW and Shearwave Elastography.
- 5-9 MHz Multi-Frequency Linear Probe with shearwave elastography.
- TVS/ENDOCAVITORY Color PROBE

NOTE: All Probes must be supplied by same Manufacturer.

Accessories :

- Thermal Printer 256-Gray scale (Sony, Mitsubishi or equivalent)
- UPS: on line with sine waves 2 KVA with thirty minutes back up time. (IMPORTED)
- 50 High Density / High Glossy thermal paper Rolls
- Gel: 20 liters

Optional:

- 7-14 MHz Multi-Frequency Linear Probe for B/M/CDI/PW
- Fusion Imaging of CT / MRI 3D Volume DATA to Synchronize with Ultrasound Imaging. Complete with Hardware /needle navigation with tracking system.
- Contrast Harmonic Imaging Upgradable.

DEPARTMENT OF CARDIOLOGY

PORTABLE ECHO MACHINE

A complete dedicated high end digital (4d upgradability) Echocardiography- unit for wide range of premium performance application of cardiovascular imaging in pediatrics and adult. Mobile Portable System with built in workstation / data management system for digital acquisition, storage and review of complete ultrasound studies including static and dynamic clips in DICOM format, read/write zoom. Studies can be reviewed and output to CD / DVD/USB, system should have built in battery operation. The machine must have sharp and high quality image reproduction with heavy duty performance. It should have minimum following specification.

DISPLAY

High resolution non interlaced, flicker free 12" or more LCD/TFT display tilt able.

OPERATING MODES

B, 2D M-Mode, Power Doppler HPRF, Spectral Doppler, Color Doppler, Velocity Mode, PW Doppler. Duplex and Triplex Doppler, CW Doppler Steerable and ECG Gating (TEE imaging, 1MT, Stress Echo, Tissue Doppler Imaging, Contrast Imaging, Anatomical I Mode, Panoramic Imaging).

CONTROL PANEL

Alphanumeric keyboard with built in trackball.
Direct access to system functions through dedicated keys. Indicator lights identify activated keys.
Audio volume control with bidirectional stereo speakers
User selectable image magnification control.
2 active probe connectors + I for Doppler probe.
Built in battery operation
Built in hard disk 250 GB

CALIPER / MEASUREMENTS

4 to 8 calipers for measurement per screen trace length measurements for:-
Distance angle, distance depth from slen li.ne, area, circumferences, compound / volume, slope, time, heart rate and acceleration, Auto E: ection Fraction measurement.

APPLICATION

Cardiac, Peripheral, pediatric, adult cer nalic and transesophageal with all required software for measurements.

DISPLAY MODES

Live and stored display format full size and split screen Review image format for still and cine, simultaneous capability B+PW, B+ CFM +PW, C W, B+ for triplex 2D mode, M-mode, color Doppler imaging, color Doppler imaging Color m-mode, PW / HPRF Doppler, CW Doppler, TEE imaging, 1MT, Stress Echo, Tissue Doppler Imaging, Tissue Strain imaging, Anatomical M Mode. Panoramic Imaging, Vascular Imaging, Vascular Calculations, Cardiac measurements and full cardiac imaging.

CINE MEMORY

Min. Cine Memory for 1000 frames or 250mb min.

IMAGE VIEWING DEPTH

30-300 mm or more for cardiac application.

IMAGING MODES / TECHNIQUES

Tissue harmonic Imaging, Power Doppler Imaging, Vascular Imaging Software for Carotids

STORAGE DEVICE

Built in CD / DVD / USB Drive

SYSTEM DYNAMIC RANGE

Dynamic range minimum 200 dB or mote

COMMUNICATION SOFTWARE

System should upgradable for DICON(3 communication software for: Image Storage, print, Query / Retrieve, Network communication.

PORTS

Video Output, USB / RS 232, Networking.

STANDARD TRANSDUCERS (3 Probes

Linear Probe multi frequency to cover frequency of 7.5-12.0 MHz.

Multi frequency phased array sector probe to cover 5.0 — 7.5 MHz for Peads qAdult.

Accessories e Imported Trolley

- Thermal Printer 256-Gray scale e 50 high density / high glossy thermal paper rolls.
- Gel 20 liters

Note:- 3-years warranty with parts & probes & labour.

DEPARTMENT OF Radiology

PVMS OF MEDICAL EQUIPMENT	
Clinical Specialty	Radiological Equipment
Generic Name	**Digital Color Doppler (High End).**
Clinical Purpose	It is immediately available imaging modality with its main use in obstetrical and antenatal care likewise in conditions when ionizing radiations are contra indicated.

TECHNICAL SPECIFICATIONS

Color Doppler with Fully Digital Beam former having 2D / M-Mode and Doppler Facilities, (PW, HPRF, & Color Flow Imaging) with High Resolution Imaging Doppler Signal Quality; having DICOM Compatibility and Upgradeable to CW and 4D Imaging in Convex, Linear and Endocavity Probe.

1) **B-MODE Specification:**
a) Sector Scan Angle Variable in Four Steps.
b) Viewing Depth: 30 cm Minimum (Both in B & W and Color).
c) Frame Rate: 500 f/sec or more
d) Built-in cine loop with ability to vary reverse and slow motion of display; Internal Memory 2000 / 200MB or more Color Images.
e) Real time and Freeze Image Magnification at least 10X or more with panning for Real, Freeze and Memorized Images.

2) **M-MODE SPECIFICATION:**
a) Magnification: X2 or more.
b) Sweep Speed: Slow, Medium and Fast.
c) Color Display of M-Mode.

3) **D-MODE SPECIFICATION:**
a) Pulse-Wave Doppler Measureable Velocity Range.
b) HPRF Doppler.
c) **CONTINUOUS-WAVE DOPPLER:**
- Measurable Velocity Range: Steerable.
- Must have Doppler Beam Steering and Bi-Directional Stereo-Audio.
d) Colorized Spectrum Display.
e) Automatic Baseline and Velocity Range Control.
f) Live Measurements for Doppler Spectrum.

4) **COLOR DOPPLER MODE SPECIFICATIONS :**
- Both CW and PW Doppler must be Continuous Steerable in the Color Blood Flow Image Mode in Real Time.
- 2D Image with Color, CW and PW Doppler.
- Windows based System for easy usage with Programmable Control Panel Keys.
- Tissue Harmonic Imaging with 4THI or more Frequency.

- Power Doppler.
- Triplex Mode for Simultaneous Display of Color B/M and D-Mode Displays.
- 200 db system dynamic range or more.

5) **MEASUREMENT PACKAGE:**

To provide Comprehensive Software Package for Measurement of Distance, Circumference, Area, Time Depth, ANGLE, Velocity, Frequency, Heart Rate, Volumes, Nuchal Thickness/ Measurement Software to be Provided as a Standard.

6) **SYSTEM COMPLETE WITH FOLLOWING FACILITIES AND ACCESSORIES:**

- 19-Inches Minimum LCD / LED Color Monitor, with Resolution 1280 x 1024 Pixels minimum.
- Foot-Switch.
- 3 to 4 Active Transducer Connector for Tran thoracic Probes DVD / CD Drive for Image Storage to be Built-in to the System.
- 100 GB or more Hard Disk Drive to be Built-in to the System.
- Built-in DICOM Compatibility. (3.0 with all components)
- Touch Command Screen Control at least 8-inches LCD / TFT or more.
- Full DICOM (Upgradable)

Probes must be supplied by same manufacturer.

7) **UPGRADEABILITY :**

- System Software must be Upgradable.

8) **STANDARD PROBES :**

- 2 – 6 MHz Multi-Frequency Convex Probe for B/M/CDI/PW and Shearwave Elastography.
- 5-9 MHz Multi-Frequency Linear Probe with shearwave elastography.
- TVS/ENDOCAVITORY Color PROBE

NOTE: All Probes must be supplied by same Manufacturer.

9) STANDARD RECORDING DEVICES:

- Thermal Paper Printer with fifty Rolls of Paper (Black & White). WITH HD
- CINEWAVE UPS Online with 30 minutes back up time for the System.(IMPORTED)

10) Tissue Doppler Imaging Mode.

11) Pure Wave / Pulse Inversion / Differential Tissue Harmonic Imaging to Enhance Effective Wide Band Frequency Range to provide Simultaneously Spatial Resolution, Contrast Resolution and increased Penetration using Two Transmission Pulses at Different Frequencies Simultaneously and Reception at Harmonic as well as Differential Component.

12) Auto Image Optimization / Quick Scan Imaging for Automatic STC / GAIN and Doppler Spectrum Adjustment with Optimal Image Quality by using One Touch Operation.

13) B-Flow / Dynamic Flow Imaging / E-Flow / Clarify.

14) Trapezoid Imaging / Virtual Convex Imaging with Linear Probe.

15) Compound / Aplipure Imaging for THI/both Frequency Compounding and Spatial

Compounding in B/W and Color Mode.

16) Panoramic / SIESCAPE / Logic view Imaging with Measurements.

17) TISSUE CONTRAST ENHANCEMENT SOFTWARE/SPECTRAL REDUCTION

18) N-Sight / Adaptive Suppression / Precision Imaging /Cross beam / XFlow or equivalent to Enhance B-Mode Imaging, Xress / Ccare / DTCE or equivalent Detailed in Layers and Boundaries and Sharpened Outlines of the Lesions and reduce Cluttering.

19) Micro CPA / Superb Micro Imaging/vascular enhancement/B flow with Color/spectral to Clearly Show Blood Flow in tiny Vessels,

20) Shear wave Elastography with Quantification for body Organs specially Liver with Convex & Linear Probes to visualize Tissue Stiffness by Generating Images through Shear Wave Propagation.

21) Live Strain Rate Elastography with Quantification for Body Organs Specially Breast to Visualize Lesions.

22) Voltage : 220V – 240V, 50 – 60 HZ

Accessories :

1. Thermal Printer 256-Gray scale (Sony, Mitsubishi or equivalent)
3. UPS: on line with sine waves 2 KVA with thirty minutes back up time. (IMPORTED)
3. 50 High Density / High Glossy thermal paper Rolls
4. Gel: 20 liters

Optional:

7-14 MHz Multi-Frequency Linear Probe for B/M/CDI/PW

Fusion Imaging of CT / MRI 3D Volume DATA to Synchronize with Ultrasound Imaging. Complete with Hardware /needle navigation with tracking system.

Contrast Harmonic Imaging Upgradable.

BIDDING DOCUMENT

(MEDICAL EQUIPMENT FOR SHAIKH ZAYED HOSPITAL, LAHORE)

(YEAR 2018-19)

GOVERNEMNT OF THE PUNJAB
HEALTH DEPARTMENT

SHAIKH ZAYED HOSPITAL LAHORE

Table of Contents

Instructions To Bidder 5

General Instructions.....5

1. Content of Bidding Documents 5
2. Source of Funds 5
3. Eligible Bidders 5
4. Eligible Goods and Services 5
5. Cost of Bidding 6
6. Clarification of Bidding Documents 6
7. Amendment of Bidding Documents 6
8. Qualification an d disqualification of Bidders 6
9. Corrupt or Fraudulent Practices 7

Preparation of Bids.....7

10. Language of Bid 7
11. Documents Comprising the Bid 7
12. Bid Form and Price Schedule 7
13. Bid Prices 7
14. Bid Currencies 8
15. Documents Establishing Bidder's Eligibility and Qualification 8
16. Documents Establishing Good's Eligibility and Conformity to Bidding Document 9
17. Bid Security.....9
18. Bid Validity 9

Submission of Bids 9

19. Format and Signing of Bid.....9
20. Sealing and Marking of Bids 9
21. Deadline for Submission of Bids 10
22. Late Bid 10
23. Withdrawal of Bids 10

Bidding Procedure 10

24. Single stage-two envelops bidding procedure 10

Opening and Evaluation of Bids 11

25. Opening of Bids by the Procuring Agency.....11
26. Clarification of Bids 11
27. Preliminary Examination 11
28. Evaluation and Comparison of Bids 12

29. Evaluation Criteria 12
30. Contracting the procuring agency 15
31. Rejection of bids 15
32. Re-bidding 16
33 Announcement of evaluation report 16
Award of contract
34 Acceptance of bid and award criteria 16
35 Procuring agency's right to very quantities at the time of award 16
36 Limitations of negotiation.....16
37 Notification of Awards 16
38 Signing of Contract 16
39 Performance Guarantee 17
40 Schedule of Requirements 17
41 Redressal of grievances by the Procuring Agency 17
General Conditions of Contract 17
1. Definitions 17
2. Application 18
3. Country of Origin 18
4. Standards 18
5. Use of Contract Documents and Information 18
6. Patent Rights 18
7. Submission of Samples 18
8. Ensuring storage/installation arrangements 18
9. Inspection and Tests 19
10. Physical examination/inspection of goods 19
11. Delivery of Documents 19
12. Insurance 19
13. Transportation 19
14. Incidental Services 20
15. Warranty 20
16. Payment 20
17. Prices 20
18. Contract Amendments 20
19. Assignment 20
20. Subcontracts 20
21. Delays in the Supplier's Performance 20

22.Penalties/liquidated Damages 21
23. Termination for Default 21
24. Force Majeure 21
25. Termination for Insolvency 22
26. Arbitration and Resolution of Disputes 22
27. Governing Language 22
28. Applicable Law.....22
29. Notices.....22

Special Conditions of Contract 23

Annexures

1. Invitation for Bids for Procurement of Medical Equipment.....25
2. Performance Guarantee Form 26
3. Manufacturer's Authorization Form 27
4. Contract Form 29
5. Bid Form 30
6. Price Schedule (CIF type) 31
7. Price Schedule (DDP type) 32

A. Instructions to Bidders (ITB)

General Instructions:

1. Content of Bidding Document

1.1 The goods required, bidding procedures, and Contract terms are prescribed in the bidding documents. In addition to the Invitation for Bids, the bidding documents include:

(a) Instructions to Bidders (ITB);
(b) General Conditions of Contract (GCC);
(c) Special Conditions of Contract (SCC);
(d) Schedule of Requirements;
(e) Technical Specifications;
(f) Contract Form;
(g) Manufacturer's Authorization Form;
(h) Performance Guaranty Form;
(i) Bid Form; and
(j) Price Schedule

1.2 The "Invitation for Bids" does not form part of the Bidding Documents and is included as a reference only. In case of discrepancies between the Invitation for Bid and the Bidding Documents listed in 1.1 said Bidding Documents shall take precedence.

1.3 The Bidder is expected to examine all instructions, forms, terms, and specifications in the bidding documents. Failure to furnish all information required by the bidding documents or to submit a bid not substantially responsive to the bidding documents in every respect shall be at the Bidder's risk and may result in the rejection of its bid.

2 Source of Funds

2.1 The Government of Punjab has allocated funds to the institution for purchase of Electro-medical equipment etc. and other items under the relevant head of Account during the financial year 2016-2017 (herein referred to as the "Procuring Agency").

3. Eligible Bidders

3.1 This Invitation for Bids is open to all original Manufacturers/authorized Agents of Foreign manufacturers in Pakistan for supply of goods.

3.2 The bidder must possess valid legal enforceable authorization from the Foreign Manufacturer; they should have a documentary proof to the effect that they are the original Manufacturer of the required goods.

3.3 Bidders should not be under a declaration of ineligibility for corrupt and fraudulent practices issued by any Government (Federal, Provincial), a local body or a public sector organization.

4. Eligible Goods and Services

4.1 Country of manufacturer should be of USA, Europe and Japan; if not mentioned in specifications. However, country of origin of equipment could be from any geographical region of the world as per laws of Pakistan.

4.2 For the purpose of this clause, (a) the term "Goods" includes any Goods that are the subject of this Invitation for Bids and (b) the term "Services" includes related services such as transportation, insurance, after sale service, spare parts availability, etc. For purposes of this clause, "origin" means the place where the goods are mined, grown, or produced, or the place from which the related services are supplied. In case of the "manufacturer" the "origin" means the firm is based and registered in that country and registered with their stock exchange. Goods are produced when,

through manufacturing or processing, or substantial and major assembly of components, a commercially recognized product is produced that is substantially different in basic characteristics or in purpose or utility from its components.

5. Cost of Bidding

5.1 The Bidder shall bear all costs associated with the preparation and submission of its bid, and the Procuring Agency shall in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

6. Clarification of Bidding Documents

6.1 A prospective Bidder requiring any clarification of the bidding documents may notify the Procuring Agency in writing at the Procuring Agency's address indicated in the Invitation for Bids. The Procuring Agency shall respond in writing to any request for clarification of the bidding documents, which it receives not later than seven
(10) days prior to the deadline for the submission of bids prescribed in the Invitation for Bids. Written copies of the Procuring Agency's response (including an explanation of the query but without identifying the source of inquiry) shall be sent to all prospective Bidders that have received the bidding documents.

7. Amendment of Bidding Documents

7.1 At any time prior to the deadline for submission of bids, the Procuring Agency, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, may modify the bidding documents by amendment.

7.2 All prospective Bidders that have received the bidding documents shall be notified of the amendment in writing or by cable or by phone, and shall be binding on them.

7.3 In order to allow prospective Bidders reasonable time in which to take the amendment into account in preparing their bids, the Procuring Agency, at its discretion, may extend the deadline for the submission of bids. Amendment notice to that effect shall be communicated in the same manner as the original invitation to bid.

8. Qualification and Disqualification of Bidders

8.1 In the absence of prequalification, the Procuring Agency shall determine to its satisfaction whether the Bidder that is selected as having submitted the lowest evaluated responsive bid is qualified to perform the Contract satisfactorily, in accordance with the criteria listed in ITB Clause 29.2.

8.2 The determination shall take into account the Bidder's financial, technical or production capabilities (in case of manufacturer), infrastructure of the firm, past performance in similar contracts, engineering staff and their capabilities, inventory of spare parts, repair and calibration tools, workshop facilities to provide the after sales services. It shall be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB Clause 29.2, as well as such other information/ premises visit as the Procuring Agency deems necessary and appropriate.

8.3 An affirmative determination shall be a pre-requisite for Award of the Contract to the Bidder. A negative determination shall result in rejection of the Bidder's bid, in which event the Procuring Agency shall proceed to the next lowest evaluated bid to make a similar determination of that Bidder's capabilities to perform satisfactorily.

8.4 The Procuring Agency, at any stage of the procurement proceedings, having credible reasons for or prima facie evidence of any defect in Supplier's capacities may require the Suppliers to provide information concerning their professional, technical, financial, legal or managerial competence.

8.5 The Procuring Agency shall disqualify a Bidder if it finds, at any time, that the information submitted by him concerning his qualification as Supplier was false and materially inaccurate or incomplete.

8.6 Bidders that are found to consistently fail to provide satisfactory performances or are found to be indulging in corrupt or fraudulent practices shall be black listed.

9. Corrupt or Fraudulent Practices

9.1 The Procuring Agency requires that all Bidders/ Suppliers/ Contractors observe the highest standard of ethics during the procurement and execution of such Contracts. In pursuance of this policy, the Procuring Agency:

- **a.** defines, for the purposes of this provision, the terms set forth below as follows:
  - **I.** "corrupt practice" means the offering, giving, receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in Contract execution; and
  - **II.** "fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a Contract to the detriment of the Procuring Agency, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Procuring Agency of the benefits of free and open competition;
- **b.** shall reject a proposal for Award if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the Contract in question; shall declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a Contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a Contract.

Preparation of Bids

10. Language of Bid

10.1 The bid prepared by the Bidder, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Procuring Agency shall be written in English. Supporting documents and printed literature furnished by the Bidder may be in another language provided they are accompanied by an accurate translation of the relevant passages in English, in which case, for purposes of interpretation of the Bid, the translation shall govern.

11. Documents Comprising the Bid

11.1 The bid prepared by the Bidder shall comprise the following components:

- **(a)** A Bid Form and Price Schedule completed in accordance with ITB Clauses 12 and 13 (to be submitted along with financial proposal
- **(b)** Documentary evidence established in accordance with ITB Clause 15 that the Bidder is eligible to bid and is qualified to perform the Contract if its bid is accepted;
- **(c)** Documentary evidence established in accordance with ITB Clause 15 that the goods to be supplied by the Bidder are eligible goods and conform to the bidding documents.

12. Bid Form and Price Schedule

12.1 The Bidder shall complete the Bid Form and an appropriate Price Schedule furnished in the bidding documents (Annexure A Form), indicating the goods to be supplied, a brief description of the goods, specifications, taxes, quantity, prices, make, model, country of origin, country of manufacturer and port shipment.

13. Bid Prices

13.1 The Bidder shall indicate on the Price Schedule the unit prices and total Price of the goods, it proposes to supply under the Contract.

13.2 Form for Price Schedule is to be filled in very carefully, and should be typed. Any alteration/ correction must be initialed. Every page is to be signed and stamped at the bottom. Serial number/ bid number of the quoted item may be marked or highlighted with red/yellow marker.

13.3 The Bidder should quote the prices of goods according to the technical specifications for each product. The specifications of goods, different from the demand shall straightway be rejected.

13.4 The Bidder is required to offer competitive price. All prices must include relevant taxes and duties, where applicable. If there is no mention of taxes, the offered/ quoted price shall be considered as inclusive of all prevailing taxes/duties. The benefit of exemption from or reduction in the GST or other taxes shall be passed on to the Procuring Agency.

13.5 Prices offered should be for complete item with accessories; detail of which is already mentioned in the technical specifications.

13.6 While tendering your quotation, the present trend/ inflation in the rate of goods and services in the market should be kept in mind. No request for increase in price due to market fluctuation in the cost of goods and services shall be entertained after the bid has been submitted.

14. Bid Currencies

14.1 Prices of imported items should be quoted on C&F tender, the Prices shall be quoted in $, £, € and ¥ or else in respective countries currency.

14.2 State Bank of Pakistan's/National Bank of Pakistan foreign currency selling rate will be considered from the date of opening of financial bid for comparison purposes.

14.3 The price for each item, standard accessories; detail of which is already mentioned in the technical specifications will be considered for determining the lowest bidder. Optional items will not be considered while determining the lowest bidder.

15. Documents Establishing Bidder's Eligibility and Qualification

15.1 The Bidder shall furnish, as part of its technical bid, documents establishing the Bidder's eligibility to bid and its qualifications to perform the Contract if its bid is accepted.

15.2 The documentary evidence of the Bidder's eligibility to bid shall establish to the Procuring Agency's satisfaction that the Bidder, at the time of submission of its bid, is an eligible as defined under ITB Clause 3.

15.3 The documentary evidence to be submitted in the Technical Proposal for the purposes of qualification and technical evaluation shall include:

(a) The Supplier/ agent shall have to produce letter of authorization from Manufacturer and in case of Manufacturer, documentary proof to the effect that they are the original Manufacturer of the required goods shall be provided.

(b) National Tax Number (NTN) and General Sales Tax Number with documentary proof shall have to be provided by the bidder(s).

(c) The Bidder shall submit an affidavit on legal stamp paper of Rs. 20/-that their firm has not been blacklisted in the past on any ground by any Government (Federal, Provincial), a local body or a public sector organization. On account of submission of false statement the Bidder shall be disqualified forthwith and subsequently black listed.

(d) The Bidder should have strong engineering background and necessary tools/ test equipment, trained staff for the goods required after sales services.

(e) The Bidder is required to provide with the technical proposal the name of item(s), tender number and serial number in the exact manner as quoted in the financial proposals.

(f) The Bidder must indicate the country of origin of the goods, capacity of production of the firm (in case of manufacturer), its financial status, necessary assurance of quality production, Certificate(s) for conformity with International standards of Quality and list of qualified technical persons along with qualification and trainings, list of main service, testing

and calibration tools and in case of manufacturer; the supervisory staff working in the production and quality control departments in the manufacturing plant.

16. Documents Establishing Goods' Eligibility and Conformity to Bidding Documents

16.1 Pursuant to ITB Clause 11, the Bidder shall furnish along with technical proposal, as part of its bid, documents establishing the eligibility and conformity to the bidding documents of all goods, which the Bidder proposes to supply under the Contract.

16.2 The documentary evidence of the eligibility of the goods shall consist of a statement in the Price Schedule of the country of origin of the goods offered.

16.3 Submission of sample if so required by the Technical Committee; the bidder shall provide the sample or give demonstration as per requirement for evaluation/ satisfaction of the Committee.

16.4 Submission of Original Purchase Receipt of tender.

16.5 Alternative bid is not allowed also a bidder cannot submit two bids. If the bidder quotes an alternative bid or submit two bids then the bidder will be considered as non-responsive.

17. Bid Security

17.1 Bid Security is 2% of the estimated price of each item in the shape of irrevocable Bank Guarantee or CDR. Bid Security amounting to less than 2% shall not be acceptable.

18. Bid Validity

18.1 Bids shall remain valid for a period of 90 days after opening of Technical Bid prescribed by the Procuring Agency. A bid valid for a shorter period shall be rejected by the Procuring Agency as non-responsive.

18.2 The Procuring Agency shall ordinarily be under an obligation to process and evaluate the bid within the stipulated bid validity period. However, under exceptional circumstances and for reasons to be recorded in writing, if an extension is considered necessary, all those who have submitted their bids shall be asked to extend their respective bid validity period. Such extension shall be for not more than the period equal to the period of the original bid validity. Such extension shall not be for more than the period equal to the period of the original bid validity.

18.3 Bidders who,

(a) Agree to the Procuring Agency's request for extension of bid validity period shall not be permitted to change the substance of their bids; and

(b) Do not agree to an extension of the bid validity period shall be allowed to withdraw their bids, if any.

Submission of Bids

19. Format and Signing of Bid

19.1 The bid shall be typed and shall be signed by the Bidder or Lead Bidder (in case of alliance/ Joint venture) or a person or persons duly authorized to bind the Bidder to the Contract. The person or persons signing the bid shall initial all pages of the bid.

19.2 Any interlineations, erasures, or overwriting shall be valid only if they are initialed by the person or persons signing the bid.

19.3 All biding documents to be duly attested (signed and stamped) by the authorized person of Lead Bidder.

20. Sealing and Marking of Bids

20.1 The envelopes shall be marked as "FINANCIAL PROPOSAL" and "TECHNICAL PROPOSAL" in bold and legible letters to avoid confusion. The envelopes shall then be sealed in an outer envelope.

20.2 The inner and outer envelopes shall:

a) be addressed to the Procuring Agency at the address given in the Invitation for Bids; and

b) bear the Institution/Hospital name and number indicated in the Invitation for Bids, and shall be inscribed by the following sentence: "DO NOT OPEN BEFORE," to be completed with the time and the date specified in the invitation for Bid.

20.3 The inner envelopes shall also indicate the name and address of the Bidder/ Lead Bidder to enable the bid to be returned unopened in case it is declared as non-responsive or late.

20.4 If the outer as well as inner envelope is not sealed and marked properly, the Procuring Agency shall assume no responsibility for the bid's misplacement or premature opening.

21. Deadline for Submission of Bids

21.1 Bids must be submitted by the Bidder and received by the Procuring Agency at the address specified under ITB Clause 19.1 not later than the time and date specified in the Invitation for Bids.

21.2 The Procuring Agency may, at its discretion, extend this deadline for the submission of bids by amending the bidding documents in accordance with ITB Clause 7 , in which case all rights and obligations of the Procuring Agency and Bidders previously subject to the deadline shall thereafter be subject to the deadline as extended.

22. Late Bid

22.1 Any bid received by the Procuring Agency after the deadline for submission of bids prescribed by the Procuring Agency pursuant to ITB Clause 21 shall be rejected and returned unopened to the Bidder.

23. Withdrawal of Bids

23.1 The Bidder may withdraw its bid prior to the deadline specified in the invitation to bid.

23.2 No bid may be withdrawn in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified in ITB Clause 18.2 Withdrawal of a bid during this interval will make the bidder eligible to be debarred for further procurements for a period as deem necessary by the Procuring Agency

The Bidding Procedure

24. Single stage – two envelopes bidding procedure

24.1 Single stage – two envelopes bidding procedure shall be applied:

(i) The bid shall comprise a single package containing two separate envelopes. Each envelope shall contain separately the financial proposal and the technical proposal;

(ii) The envelopes shall be marked as "FINANCIAL PROPOSAL" and "TECHNICAL PROPOSAL" in bold and legible letters to avoid confusion;

(iii) Initially, only the envelope marked "TECHNICAL PROPOSAL" shall be opened;

(iv) The envelope marked as "FINANCIAL PROPOSAL" shall be re trained in the custody of Procuring Agency without being opened;

(v) The Procuring Agency shall evaluate the technical proposal, without reference to the price and reject any proposal which do not conform to the specified requirements;

(vi) During the technical evaluation no amendments in the technical proposal shall be permitted;

(vii) The financial proposals of bids shall be opened publicly at a time, date and venue to be announced and communicated to the Bidders in advance;

(viii) After the evaluation and approval of the technical proposal the Procuring Agency shall at a time within the bid validity period, publicly open the financial proposals of the technically accepted bids only. The financial proposal of bids found technically

non-responsive shall be returned un-opened to the respective Bidders; and

(ix) The bid found to be the lowest evaluated bid shall be accepted.

Opening and Evaluation of Bids

25. Opening of Bids by the Procuring Agency

25.1 The Procuring Agency shall initially open only the envelopes marked "TECHNICAL PROPOSAL in the presence of Bidders' representatives who choose to attend, at the time, on the date, and at the place specified in the Invitation for Bids. The Bidders' representatives who are present shall sign the Attendance Sheet as evidence of their attendance. However, the envelope marked as "FINANCIAL PROPOSAL" shall remain unopened and shall be retained in safe custody of the Procuring Agency till completion of the evaluation process.

25.2 The Bidders' names, item(s) for which they quoted their rate and such other details as the Procuring Agency, at its discretion, may consider appropriate, shall be announced at the opening of technical proposal. No bid shall be rejected at technical proposal/ bid opening, except for late bids, which shall be returned unopened to the Bidder pursuant to ITB Clause 21. However, at the opening financial proposals (the date, time and venue would be announced later on), the bid prices, discounts (if any), and the presence or absence of requisite bid Security, two sets of finalcial proposal; one original and one copy and such other details as the Procuring Agency, at its discretion, may consider appropriate, shall be announced.

25.3 The Procuring Agency shall prepare minutes of both the technical proposal as well as the financial proposal bid opening.

26. Clarification of Bids

26.1 During evaluation of the bids, the Procuring Agency may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing, and no change in the prices or substance of bid like indication of make/model/brand etc. shall be sought, offered, or permitted.

27. Preliminary Examination

27.1 The Procuring Agency shall examine the bids to determine whether they are complete (two sets; one original and one copy), whether any computational errors have been made (at the time of opening the financial proposal), whether required sureties have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.

27.2 In the financial bids (at the time of opening the financial proposal) the arithmetical errors shall be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the total price shall be corrected. If the Bidders/Suppliers do not accept the correction of the errors, its bid shall be rejected. If there is a discrepancy between words and figures, the amount in words shall prevail. If one financial copy differs from the second one then its bid will be rejected.

27.3 The Procuring Agency may waive any minor informality, nonconformity, or irregularity in a bid which does not constitute a material deviation (or changes the substance of the bid), provided such waiver does not prejudice or affect the relative ranking of any Bidder.

27.4 Prior to the detailed evaluation, pursuant to ITB Clause 27 the Procuring Agency shall determine the substantial responsiveness of each bid to the bidding documents. For purposes of these Clauses, a substantially responsive bid is one, which conforms to all the terms and conditions of the bidding documents without material deviations. Deviations from, or objections or reservations to critical provisions shall be deemed to be a material deviation for technical proposals. The Procuring Agency's determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.

27.5 If a bid is not substantially responsive, it shall be rejected by the Procuring Agency and may not subsequently be made responsive by the Bidder by correction of the nonconformity.

28. Evaluation and Comparison of Bids

28.1 The Procuring Agency shall evaluate and compare the bids on the basis of items, which have been determined to be substantially responsive, pursuant to ITB Clause 25.

28.2 The Procuring Agency's evaluation of technical proposal/ bid shall be on the basis of previous performances, test reports, inspection of plant/ factory/ premises, previous experience of similar contracts, availability of engineering staff and their capabilities, inventory of spare parts, workshop facility to provide the after sales services, financial soundness and such other details as already highlighted. However, the evaluation of financial proposal shall be on the basis of price.

28.3 All bids shall be evaluated in accordance with the evaluation criteria (ITB Clause 29) and other terms and conditions set forth in these bidding documents.

28.4 In case of procurement on C&F/ CIP/ CIF basis; for the purpose of comparison of bids quoted in different currencies, the price shall be converted into Pak Rupees in pursuant to ITB Clause 13. The rate of exchange shall be the selling rate, prevailing on the date of opening of Financial Bids specified in the bidding documents, as notified by the State Bank of Pakistan on that day.

28.5 A bid once opened in accordance with the prescribed procedure shall be subject to only those rules, regulations and policies that are in force at the time of issue of notice for invitation of bids.

29. Evaluation Criteria

29.1 For the purposes of determining the lowest evaluated bid, factors other than price such as previous performances, previous experience, engineering/ technical capabilities, repair/ calibration tool, workshop facilities, financial soundness and such other details as the Procuring Agency at its discretion, may consider appropriate shall be taken into consideration and these should be available with the bidder. The following evaluation factors/ criteria will be employed on **technical proposals**.

29.2 Technical Evaluation Criteria for medical equipment, IT Equipment and ambulances is given below:

(i) Technical Evaluation Criteria (Medical Equipment)

1. For evaluation of bids **KNOCKED DOWN CRITERIA** will be applied. The bids conforming to the specifications and pre-requisite conditions indicated in specifications will be considered for further technical evaluation.

2. The bid must comply with the advertised technical specifications of the quoted item

3. The bidder must possess valid authorization/ agreement from the Foreign Manufacturer.

4. The Manufacturer should have documentary evidence to the effect that they are the original Manufacturer of the quoted product with indication of manufacturing site and its location.

5. Certificate from the manufacturer that the after sales services / backup services shall be provided jointly with the local agent and in case of change of local agent, they will provide the after sales services themselves or through newly appointed agent for the period mentioned from the date of commissioning.

6. A Certificate from the manufacturer that the installation will be conducted in conformity with the system requirements by following the professional approach.

7. Sufficient Technical and Engineering capabilities of the firm; where after sales services are necessary (attach a list of technical and engineering staff, special testing equipment/calibration/ repair tools for equipment)

8. Submission of valid legally enforceable authorization letter of manufacturer assuring full guarantee and warranty obligations as per enclosed manufacturer authorized form with the bid document.

9. The products offered from foreign countries of USA, Europe and Japan shall be eligible to participate and must bear FDA510k, MDD or MHLW (Ministry of Health, Labor and Welfare) standard, respectively and those products should be marketed world widely; in case the origin is not mentioned in the specifications. (The product manufactured and marketed for certain region shall be knocked down). The radiation equipment shall comply with minimum two standards mentioned above.

10. The quoted model of imported product shall be available on the current official website of the manufacturer; otherwise the quoted product shall be considered obsolete/ redundant and will straight away be rejected.

11. Infrastructure for execution of after sales services mentioned by the bidder shall be evaluated for its suitability as per provisions given in specifications and other requirements detailed in the technical specifications of the bidding documents.

12. The firms shall also declare the make, model, country of origin of all accessories to be provided with the equipment.

13. The Procuring Agency has the right to inspect the premises of bidder to inspect the setups ensuring proper after sales services.

14. An affidavit from bidder of Rs.100/-stating that their firm is not blacklisted by any of the Federal and Provincial Government or organizations of the State/ Central Government in Pakistan.

15. All terms mention with each tenders should be strictly followed.

(ii) Technical Evaluation Criteria (IT /Office Equipment)

For evaluation of bids **KNOCKED DOWN CRITERIA** will be applied. The bids conforming to the specifications of the goods contained in each item will be considered for scrutiny.

1. The firm should be an authorized distributor by the manufacturer of quoted products.
2. The firm should have valid NTN Certificate, G.S.T Certificate and Audited Reports of last Three years and Tax returns of minimum last three years.
3. The firm will provide the evidence/inspection reports/performance certificates by the procuring agency for successful supply, installation and commissioning of similar level projects.
4. The products offered must be from the respective origins mentioned in the specifications, and those products should be marketed world widely.
5. Infrastructure for execution of after sales services mentioned by the bidders/ lead bidders shall be evaluated for its suitability.

6. The firms should have minimum of two graduate engineers (B.Sc Engg) or one graduate Engineer and two diploma (D.A.E) holders. In case of jobs/Product related to Networking/Software development mentioned in the scope of
work/specifications, the relevant expertise/education /credentials of staff is mandatory.
7. The Evaluation Committee has the right to inspect the premises of bidders/ lead bidders/ firms of alliance to inspect their premises/ setups ensuring proper after sales services.
8. An affidavit from bidder of Rs.100/-stating that their firm is not blacklisted by any of the Federal and Provincial Government or organizations of the State/ Central Government in Pakistan.

Note: Verifiable documentary proof for all above requirements and criteria are mandatory requirement and offer will be accepted on the basis of these verifiable proofs.

29.2.1 Bidders are required to submit the information in the following format along with documentary evidence as under.

29.2.2 Profile of the Bidder

Sr. #	Particulars	
1.	Name of the Company	
2.	**Registered Office**	
	Address	
	Office Telephone Number	
	Fax Number	
3.	**Contact Person**	
	Name	
	Personal Telephone Number	
	Email Address	
4.	**Local office if any**	
	Address	
	Personal Telephone Number	
	Email Address	
5.	Bid Signing Authority	
	Name	
	Address	
	Personal Telephone Number	
	Email Address	
	Please enclosed Authorization or Power of Attorney to sign and submit the Bidding	
6.	Address for Communication under the current bidding	
7.	Registration detail	
	NTN Registration Number	

	GST Registration Number	
	Banker's Name, Address and Account Numbers	

a) Bid Security

#	Particulars	Please furnish Details
1.	Name of the Bank	
2.	CDR / Bank Guarantee	
3.	Date	

29.2.3 Submission of original receipt of purchase of tender.

29.3 Financial proposals would be evaluated as follows:

i) After technical evaluation is completed, the Procuring Agency shall notify the date, time and location for opening of the financial proposals. Bidders' attendance at the opening of financial proposals is optional.

ii) Financial proposals shall be opened publicly in the presence of the bidders' representatives who choose to attend. The name of the bidders shall be read aloud. The financial proposal of the technically responsive bidders shall then be inspected to confirm that they have remained sealed and unopened (financial proposals of technically non-responsive Bidders shall be returned unopened). These financial proposals shall be then opened, and the total prices read aloud and recorded.

iii) Incomplete bid shall stand rejected. All items described in the technical proposal must be priced in financial proposal. Items described in the technical proposal but not priced, shall be assumed to be included in the price of other items.

iv) If one financial copy differs from the second one then its bid will be rejected.

v) Minor oversight, clerical mistakes, other minor inconsistencies that do not alter the substances of the financial bid may be corrected by the Procuring Agency. When correcting computation error in case of discrepancy between a partial amount and the total amount or between the words and figures, the formers will prevail.

vi) The bidders will quote the Price Schedules. The total price of the system will be calculated by converting the price to single currency (Pak Rs.) on the rate of date of opening of Financial Proposal; in case of import of item.

vii) The lowest responsible bidder will be declared with standard accessories. The price of optional items will not be considered while establishing the lowest bid.

30. Contacting the Procuring Agency

30.1 No Bidder shall contact the Procuring Agency on any matter relating to its bid, from the time of the bid opening to the time the Contract is awarded.

30.2 Any effort by a Bidder to influence the Procuring Agency in its decisions on bid evaluation, bid comparison, or Contract Award will result in the rejection of the Bidder's bid and subsequent black listing. Canvassing by any Bidder at any stage of the Tender evaluation is strictly prohibited.

31. Rejection of Bids

31.1 The Procuring Agency may reject any or all bids at any time prior to the acceptance of a bid. The Procuring Agency shall upon request communicate to any Bidder who submitted a bid, the grounds for its rejection of any or all bids, but is not required to justify those grounds.

31.2 The Procuring Agency incurs no liability, solely by virtue of its invoking Clause 30.1 towards Bidders who have submitted bids.
31.3 Notice of the rejection of any or all bids shall be given promptly to the concerned Bidders that submitted bids.

32. Re-Bidding
32.1 If the Procuring Agency rejects all bids in pursuant to ITB Clause 30, it may call for a re-bidding or if deems necessary and appropriate the Procuring Agency may seek any alternative methods of procurement.
32.2 The Procuring Agency before invitation for re-bidding shall assess the reasons for rejection and may revise specifications, evaluation criteria or any other condition for Bidders, as it may deem necessary.

33. Announcement of Evaluation Report
33.1 The Procuring Agency shall announce the results of bid evaluation of a report giving justification for acceptance or rejection of bids at least ten days prior to the award of procurement Contract.

Award of Contract

34. Acceptance of Bid and Award criteria
34.1 The Bidder with technically evaluated lowest financial bid, if not in conflict with any other law, rules & regulations, policy of the Government or having less Bid Security shall be awarded the Contract, within the original or extended period of bid validity for complete item
34.2 The Bidder having lesser Bid Security will be rejected as non-responsive and Acceptance of Bid be awarded to next bidder; being the responsive lowest bidder.

35. Procuring Agency's right to vary quantities at time of Award
35.1 The Procuring Agency reserves the right at the time of Contract award to increase the quantity of goods originally specified in the Price Schedule and Schedule of Requirements without any change in unit price or other terms and conditions.

36 Limitations on Negotiations
36.1 Save as otherwise provided there shall be no negotiations with the bidder having submitted the lowest evaluated bid or with any other bidder: provided that the extent of the negotiation permissible shall be subject to the regulations issued by the PPRA.

37. Notification of Award
37.1 Prior to the expiration of the period of bid validity, the Procuring Agency shall notify the successful Bidder in writing by registered letter that its bid has been accepted.
37.2 The notification of Award shall constitute the formation of the Contract.

38. Signing of Contract
38.1 At the same time as the Procuring Agency notifies the successful Bidder that its bid has been accepted, the Procuring Agency shall send the Bidder the Contract Form provided in the bidding documents, incorporating all agreements between the Parties.
38.2 Within ONE week of receipt of the Contract Form, both the successful Bidder and the Procuring Agency shall sign and date the Contract. The Procuring Agency shall issue Purchase Order on the same date of signing of Contract after ensuring the submission of Bank Security for execution of the contract by the Contractor. If the successful Bidder, after completion of all codal formalities shows inability to sign the Contract then their Bid Security/ Contract Security to the extent of proportionate percentage shall be forfeited and the firm shall be blacklisted minimum for three

years for future participation. In such situation the Procuring Agency may make the Award to the next lowest evaluated Bidder or call for re-bidding.

39. Performance Guarantee

39.1 On the date of signing of the Contract, the successful Bidder shall furnish the Performance Guarantee/Security in accordance with the Special Conditions of Contract, in the Performance Guarantee/Security Form. The Performance Guarantee will be 5% of the contract amount. The performance security shall be deposited in the shape of Deposit at Call/ irrevocable Bank Guarantee.

39.2 Failure of the successful Bidder to comply with the requirement of ITB Clause 37 or ITB Clause 38.1 shall constitute sufficient grounds for the annulment of the Award, in which event the Procuring Agency may make the Award to the next lowest evaluated Bidder or call for re-bidding.

40. Schedule of Requirement

40.1 The supplies shall be delivered/ shipped within 90 days w.e.f the next date after the date of issue of Purchase Order (without penalty)/ opening of LC, and with prescribed penalty, as per following schedule of requirement:

Mode of Penalty	Shipping / Delivery Period	Grace Period	Total Period
Without Penalty	90 Days	15 Days	105 Days

40.2 However, in special cases, delivery period can be fixed shorter than the above mentioned schedule of requirement as deem appropriate by the Procuring Agency.

40.3 In case of late delivery of goods beyond the periods specified in the Schedule of Requirements, penalty @ 0.1% per day of the cost not exceeding 10% of the purchase order/contract value for late delivered supply shall be imposed upon the Supplier.

41. Redressal of grievances by the Procuring Agency

41.1 The Procuring Agency shall constitute a committee comprising of odd number of persons, with proper powers and authorizations, to address the complaints of bidders that may occur prior to the entry into force of the procurement contract.

41.2 Any bidder feeling aggrieved by any act of the Procuring Agency after the submission of his bid may lodge a written complaint concerning his grievances not later than fifteen days after the announcement of the bid evaluation report under Rule 35.

41.3 The committee shall investigate and decide upon the complaint within fifteen days of the receipt of the complaint.

41.4 Mere fact lodging of a complaint shall not warrant suspension of the procurement process.

41.5 Any bidder not satisfied with the decision of the committee of the Procuring Agency may lodge an appeal in the relevant court of jurisdiction.

B. General Conditions of Contract (GCC)

1. Definitions

1.1 In this Contract, the following terms shall be interpreted as indicated:

a. "The Contract" means the agreement entered into between the Procuring Agency and the Supplier, as recorded in the Contract Form signed by the Parties, including all attachments and appendices thereto and all documents incorporated by reference therein.

b. "The Contract Price" means the price payable to the Supplier under the Contract for the full and proper performance of its contractual obligations.

c. "The Goods" means electro medical equipment and other items which the Supplier is

required to supply to the Procuring Agency under the Contract.

d. "The Services" means those services ancillary to the supply of above goods, such as printing of special instructions on the label and packing, design and logo of the Institute/ Hospital, Insurance, transportation of goods up to the desired destinations, commissioning, training and other such obligations of the supplier covered under the Contract.

e. "GCC" mean the General Conditions of Contract contained in this section.

f. "SCC" means the Special Conditions of Contract.

g. "The Procuring Agency" means the Medical Superintendent Said Mitha Hospital, Lahore

h. "The Procuring Agency's Country" is the country named in SCC

i. "The Supplier" means the individual or firms or joint venture supplying the goods under this Contract.

j. "Day" means calendar day.

2. Application

2.1 These General Conditions shall apply to the extent that they are not superseded by provisions of other parts of the Contract.

3. Country of Origin

3.1 All goods and related services to be supplied under the contract shall have their manufacturer in USA, Europe and Japan; however, country of origin can be from any geographical region in the world as per the laws of Pakistan, if not mentioned in specifications.

4. Standards

4.1 The imported medical equipment goods supplied under this Contract shall conform to FDA 510k/FDA, CE or MHLW (Ministry of Health, Labor and Welfare) while non-medical will follow the respective international quality standards.

5. Use of Contract Documents and Information

5.1 The Supplier shall not, without the Procuring Agency's prior written consent, disclose the Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the Procuring Agency in connection therewith, to any person other than a person employed by the Supplier in the performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.

5.2 The Supplier shall not, without the Procuring Agency's prior written consent, make use of any document or information enumerated in GCC Clause 5.1 except for purposes of performing the Contract.

5.3 Any document, other than the Contract itself, enumerated in GCC Clause 5.1 shall remain the property of the Procuring Agency and shall be returned (all copies) to the Procuring Agency on completion of the Supplier's performance under the Contract if so required by the Procuring Agency .

6. Patent Rights

6.1 The Supplier shall indemnify the Procuring Agency against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof in the country.

7. Submission of Samples / Demonstrations

7.1 The samples shall be submitted for demonstration and evaluation of any item on demand of procuring agency. After detailed technical evaluation of procuring agency, final recommendation of item will be done and bidders will not challenge decision of evaluation committee after evaluating / demonstration of their quoted item.

8. Ensuring Storage/ Installation Arrangements

8.1 To ensure storage and installation arrangements for the intended supplies, the Supplier shall inform end user for pre-requisites well in time for proper installation. In case the Supplier abides by the given time frame it shall not be penalized for delay.

8.2 In case of late delivery of goods beyond the periods specified in the Schedule of Requirements, penalty @ 0.1% per day of the cost not exceeding 10% of the purchase order/contract value for late delivered supply shall be imposed upon the Supplier.

9. Inspections and Tests

9.1 The Procuring Agency or its representative shall have the right to inspect and/or to test the goods to confirm their conformity to the Contract specifications at no extra cost to the Procuring Agency.

9.2. For the purpose of inspections and tests of equipment. The Supplier shall furnish all reasonable facilities and assistance, to the inspectors at no charge to the Procuring Agency. In the event that inspection & testing is required prior to dispatch and categorically mentioned in the LC clauses, the goods shall not be supplied unless a satisfactory inspection report has been issued in respect of those Goods by the Procuring Agency. However, if the Supplier proves an undue delay in conduct of inspection on the part of Procuring Agency, the Supplier shall not be liable for penalty on account of that delay. The cost of such lab tests shall be borne by the Manufacturer/ Supplier.

9.3 The Procuring Agency's right to inspect, test and, where necessary, reject the goods after the goods have been installed at Procuring Agency's destinations.

9.4 The Procuring Agency's right to inspect the premises of bidders/ lead bidders/ firms of alliance to inspect their premises/ setups ensuring proper after sales services.

9.5 Nothing in GCC Clause 9 shall in any way release the Supplier from any warranty or other obligations under this Contract.

10. Physical Examination/ Inspection of Goods

10.1 The goods shall be acceptable subject to physical inspection, tests and/ or in accordance with the approved sample as decided by the Procuring Agency.

10.2 The Inspection Team will be designated by the Procuring Agency which will inspect each of the equipment/ goods as per contracted specifications and installation protocols recommended by the manufacturers.

11. Delivery and Documents

11.1 The Supplier in accordance with the terms specified in the Schedule of Requirements shall make delivery of the goods which is maximum 90-days from the date of signing of this contract or opening of LC. The details of original documents to be furnished by the Supplier are as follows;

a. Operational Manuals of the medical equipment

b. Service Manuals indicating step by step service/ maintenance protocols of each of the equipment.

c. Periodic Preventive Maintenance schedules with recommended list of parts/ kits to be replaced during PPM.

d. A copy of Test/ Inspection Procedure Manual of all equipment as duly recommended by the manufacturer. All related test equipment will be made available at the time of installation, testing and commissioning by the firm.

12. Insurance

12.1 The goods supplied under the Contract shall be delivered duty paid (DDP) or CIF as mentioned under which risk is transferred to the buyer after having been delivered; hence, marine and inland insurance coverage is Supplier's responsibility. The Supplier shall ensure insurance in advance in full on prevailing premium rates at the time of shipment of the Goods on the behalf of the Purchaser for

which the cost is inclusive in the Contract Price. The value for the purpose of insurance shall be 10% more than the value of goods in the contract.

13. Transportation

13.1 The Supplier shall arrange such transportation of the goods as is required to prevent their damage or deterioration during transit to their final destination as indicated in the Schedule of Requirement.

13.2 Transportation including loading/ unloading of goods shall be arranged and paid for by the Supplier, and related cost shall be inclusive in the Contract price. The addresses of destinations/ offices shall be provided at the time signing of Contract.

14. Incidental Services

14.1 The Supplier shall be required to provide all the incidental service charges and the cost of such incidental services include in total Contract price.

14.2 The Procuring Agency will not pay any extra amount against any expenditure incurred on it, as the Contract shall be construed as fixed amount Contract and includes all costs.

14.3 The Procuring Agency will provide all the necessary documentations for facilitation but no amount to be given in any case except the Contracted amount.

14.4 All Custom Duties, if any, Octroi, Clearing Charges, transportation etc will be borne by the Contracting firm. However, Procuring Agency will provide all necessary documents for facilitation but no amount to be given in any case except the Contracted amount.

15. Warranty

15.1 A comprehensive manufacturer's warranty of 03 years for complete system will be provided free of cost including parts, labour, unless otherwise mentioned in the specifications.

16. Payment

16.1 The method and conditions of payment to be made to the Supplier under this Contract shall be specified in SCC.

16.2 In case of imported goods; the payment will be made 100% via establishing the LC at sight and receiving of mentioned documents.

16.3 In case of DDP; the payment will be made 100% after presentation of the delivery/ Installation/commissioning/completion report of the equipment and all other works described in Contract. Part supply and part payment will be made for those items which are indicated in the Technical Specifications.

17. Prices

17.1 Prices charged by the Supplier for goods delivered under the Contract shall not vary from the prices quoted by the Supplier in its bid and shall remain the same till expiry of the original bid validity period provided the Procuring Agency's request for bid validity extension.

18. Contract Amendments

18.1 No variation in or modification of the terms of the Contract shall be made.

18.2 No variation in finalized brands/ makes/models shall be allowed except in special conditions where the manufacturer has stopped producing or suspended that model or non-availability due to international mergers of the manufacturers or similar unavoidable constraints.

19. Assignment

19.1 The Supplier shall not assign, in whole or in part, its obligations to perform under this Contract, except with the Procuring Agency's prior written consent.

20. Subcontracts

20.1 The Supplier shall not be allowed to sublet the job and award subcontracts under this Contract except the firms involved in the Joint Venture/ Consortium.

21. Delays in the Supplier's Performance

21.1 Delivery of the goods shall be made by the Supplier in accordance with the time schedule prescribed by the Procuring Agency in the Schedule of Requirements.

21.2 If at any time during performance of the Contract, the Supplier should encounter conditions impeding timely delivery of the goods, the Supplier shall promptly notify the Procuring Agency in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, the Procuring Agency shall evaluate the situation and may at its discretion extend the Supplier's time for performance, with or without liquidated damages, in which case the extension shall be ratified by the Parties by amendment of Contract.

21.3 Except as provided under GCC Clause 8.2, a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to GCC Clause 22, unless an extension of time is agreed upon pursuant to GCC Clause 21.2 without the application of liquidated damages.

22. Penalties/Liquidated Damages

22.1 In case of late delivery beyond the presented period, penalty as specified in SCC shall be imposed upon the Supplier/ Manufacturer. The above Late Delivery (LD) is subject to GCC Clause 24, including late delivery for reasons beyond control. Once the maximum is reached, the Procuring Agency may consider termination of the Contract pursuant to GCC Clause 23.

22.2 If the firm provide substandard item and fail to provide the item the payment of risk purchase (which will be purchased by the indenter) the price difference shall be paid by the Firm.

23. Termination for Default

23.1 The Procuring Agency, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate this Contract in whole or in part:

a. if the Supplier fails to deliver any or all installments of the goods within the period(s) specified in the Contract, or within any extension thereof granted by the Procuring Agency pursuant to GCC Clause 8.2; or

b. if the Supplier fails to perform any other obligation(s) under the Contract.

c. if the Supplier, in the judgment of the Procuring Agency has engaged in corrupt or fraudulent practices in competing for or in executing the Contract. For the purpose of this clause: **"corrupt practice"** means the offering, giving, receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in Contract execution.

"fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a Contract to the detriment of the Procuring Agency, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Procuring Agency of the benefits of free and open competition.

24. Force Majeure

24.1 Notwithstanding the provisions of GCC Clauses 21, 22, and 23, the Supplier shall not be liable for forfeiture of its Performance Guaranty/ bid Security, or termination/ blacklisting for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure. For the purposes of this clause Force Majeure means an act of God or an event beyond the control of the Supplier and not involving the Supplier's

fault or negligence directly or indirectly purporting to mis-planning, mismanagement and/or lack of foresight to handle the situation. Such events may include but are not restricted to acts of the Procuring Agency in its sovereign capacity, wars or revolutions, fires, floods, earthquakes, strikes, epidemics, quarantine restrictions and freight embargoes. If a Force Majeure situation arises, the Supplier shall promptly notify the Procuring Agency in writing with sufficient and valid evidence of such condition and the cause thereof. The Committee of Ministry of Health, constituted for Redressal of grievances, shall examine the pros and cons of the case and all reasonable alternative means for completion of purchase order under the Contract and shall submit its recommendations to the competent authority. However, unless otherwise directed by the Procuring Agency in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical and shall seek reasonable alternative means for performance not prevented by the Force Majeure event.

25. Termination for Insolvency

25.1 The Procuring Agency may at any time terminate the Contract by giving written notice of one month time to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination shall be without compensation to the Supplier, provided that such termination shall not prejudice or affect any right of action or remedy which has accrued or shall accrue thereafter to the Parties.

26. Arbitration and Resolution of Disputes

26.1 The Procuring Agency and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.

26.2 If, after thirty (30) days from the commencement of such informal negotiations, the Procuring Agency and the Supplier have been unable to resolve amicably a Contract dispute, either party may require that the dispute be referred to the Arbitrator for resolution through arbitration.

26.3 In case of any dispute concerning the interpretation and/or application of this Contract shall be settled through arbitration. Additional Chief Secretary, Government of the Punjab, Civil Secretariat, Lahore shall act as an Arbitrator. The decisions of the Arbitrator shall be final and binding on the Parties.

27. Governing Language

27.1 The Contract shall be written in English language. Subject to GCC Clause 28, the version of the Contract written in the specified language shall govern its interpretation. All correspondence and other documents pertaining to the Contract, which are exchanged by the Parties, shall be written in English

.

28. Applicable Law

28.1 This Contract shall be governed by the laws of Pakistan and the courts of Pakistan shall have exclusive jurisdiction.

29. Notices

29.1 Any Notice given by one party to the other pursuant to this Contract shall be sent to the other party in writing and confirmed to other party's address specified in SCC.

29.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.

Special Conditions of Contract (SCC)

Special Conditions of Contract shall be concluded between the Procuring Agency and the successful bidder(s) as per specific requirement of the specific Product. In case where there is a conflict between the general conditions of the contract and the special conditions of contract, the special condition of contract shall prevail. If there is conflict between SCC and Special Terms & Conditions of Technical Specifications then the Special Terms & Conditions of Technical Specifications shall prevail.

1. General:

1.1 The imported goods shall be of USA, European or Japanese Origin firms; however their delivery/ provision may vary according to geographical location of their factories.

1.2 The fee of all necessary licenses required to install and operate the equipment shall be born by the Supplier and Procuring agency will facilitate through documents only.

1.3 The Bank Guarantee will be discharged after successful installation, commissioning, servicing and completion of 03-years (or for any other period mentioned in the specifications) comprehensive warranty Period. A clearance letter/NOC will be issued by the head of concerned institution.

1.4 The Supplier shall be deemed to have obtained all the information regarding facilities and charges, in respect of port clearance, loading and unloading, storage, transportation, congestion, Octri, licensing fee and confirmed the requirements thereof at his own responsibility and all such costs and charges are deemed to be included in the rates and prices mentioned in the Priced BOQ and the Procuring Agency will not pay any amount over this contracted amount whether in case of CIF or free delivery consignments.

1.5 Certificate from the manufacturer that they will provide after sales services through its agent and in case of change of its agent, it will provide the services itself or newly appointed agent/ distributor.

1.6 The Supplier shall arrange the necessary arrangements for training of hospital staff including doctors, technician, paramedical staff and biomedical engineers.

1.7 For smooth functioning and management of medical and other equipment, it is mandatory for the bidders to provide sufficient technical training for high-tech equipment for the biomedical engineers and allied staff from factory trained experienced engineers at the concerned institute.

2. Insurance of Local Goods

2.1 Insurance of Local Goods and other materials from factory to Site shall include all insurance costs covering the responsibility of all losses or damages, while loading, unloading, storing, trimming on the carrier and transporting to Site up to the installation, testing & commissioning of the medical equipment.

2.2 Checking and verifying of consignments, issuance of receiving reports and damage reports (when applicable) shall be the Contractor's responsibility.

2.3 The cost of insurance shall be quoted on the basis of insurance through National Insurance Company (NIC) of Pakistan or any other insurance company operating in Pakistan acceptable to the Procuring Agency.

3**. Payment**

3.1 In case of imported goods; the payment will be made 100% via establishing the LC at sight The payment will be made in the following manner through a letter of credit to be opened by the Procuring Agency.

3.2 The amount of Letter of Credit shall be paid to beneficiary on production of the following non-negotiable documents.

i. Draft.

ii. Three original and two copies of the Supplier's Invoice showing theContract No., Goods description, quantity, unit price and total amount. Invoice must be signed in original stamped or sealed with company stamp or seal.

iii. **Four** Copies of packing list identifying content of each item.

One original and two copies of the negotiable, clean, on board through bill of lading marked "freight prepaid" and showing purchaser as Shaikh Zayed Hospital, Lahore.

Copy of insurance certificate showing purchaser as the beneficiary;

vi. The original of the manufacturer's warranty certificate covering all items supplied;

vii. One original copy of the Supplier's Certificate of origin covering all items supplied.

Viii. Compliance Report of Internal Quality Standards.

ix. Product model, serial numbers.

x. Manufacturer's Guarantee Certificate to the effect that:

a) the goods supplied by them are strictly in conformity with the specifications stipulated in the contract.

b) the goods have been packed and marked suitable for transport by Sea, Rail, Road and Air in terms of the contract.

c) the stores supplied by them are brand new and absolutely free from any material or manufacturing defects.

In case of DDP; the payment will be made 100% after presentation of the delivery/ Installation/commissioning/completion report of the equipment and all other works described in Contract for complete store. Part supply and part payment will be made for those items which are indicated in the Technical Specifications.

4. Execution of Warranty

4.1 A Log Book for each of the equipment shall be maintained by the Biomedical Engineer/ Technical Coordinator of the Supplier and Biomedical Engineer of the Hospital jointly. This will include the name of the equipment, down time, preventive maintenance schedule, replacement of parts, down time etc.

4.2 The Warranty will start from the date of acceptance of equipment (properly installed, as per contracted specifications and handing over of related documents mentioned in GCC and will last for five years at 95% uptime.

4.3 The maintenance will be the responsibility of the manufacturer / their agent. An annual optimal uptime of 95% is considered as acceptable level of performance.

4.4 Software and hardware up gradation of the computing system should be carried out as available during warranty period as recommended by the manufacturer.

4.5 Manufacturer / Supplier shall be responsible for rectifying with all possible speed at their own expense any defect or fault in the system which may develop at any time during installation, commissioning period.

4.6 Manufacturer will guarantee the availability of spare parts and accessories for the system for ten years.

4.7 Uptime shall be defined as the time available to the user for doing procedures/ data

acquisition and processing during working hours throughout the year.

4.8 Manufacturer /Supplier shall check system performance during and after every 4-months. An "Optimal Percentage" will be calculated by dividing "System in Service" hours by hours available, both measured on the basis of working hours as detailed above.

4.9 If the uptime percentage for the measurement period (04-months) shall fall short of 95% the following formula will be applied to determine additional days in the warranty / service contract period.

4.10 Down time is defined as the failure in the equipment operation to acquire or process the data or procedure, resulting in inability to carry out the required procedure properly.

4.11 The firm will be bound to make arrangements for availability of qualified technical staff in hospital / site for prompt execution/coordination of after sale services.

4.12 Down time will start when the end user/ Staff In-charge notifies the designated service facility verbally or in writing to qualified technical staff of the firm stationed in the Hospital.

4.13 Down time will end once the repairs have been affected and the system is again available for clinical use.

4.14 The firm will provide the recommended preventive maintenance schedule of each of the equipment at the time of delivery.

4.15 The firm will bound to execute the installation/ maintenance according to the installation/ service protocol and will replace the components/ kits recommended by the manufacturers for installation and Periodic Preventive maintenance.

4.16 The scheduled preventive maintenance shall be in accordance with Service Protocol recommended/ advised by the manufacturer.

4.17 Remote service via modem shall be preferred if provided by the manufacturer to pick-up early faults at no cost to the hospital for the high-tech equipment.

4.18 The manufacturer / supplier will be responsible for preventive maintenance of equipment as per manufacturers' Service Manuals and shall keep a check for electrical / magnetic / temperature and humidity conditions. Such a check should be made monthly and record should be maintained in the log book of the hospital.

5. Packing & Marking

5.1 Packing: Usual export packing to ensure safe journey up to the site of consignee. Marking: Each packing should be clearly marked in suitable size in bold letters as per requirement.

6. Trans-shipment

6.1 Trans-shipment is allowed.

7. Place of delivery

7.1 As per detail mentioned in the invitation for bids/tender notice/technical specifications.

8. Correspondence addresses

Procuring Agency
The Chairmain

ShaikH Zayed Hospital, Lahore

Contracting Firm
M/S _____

Performance Guarantee Form

To: *[Name & Address of the* Procuring Agency*]*

Whereas *[Name of Supplier]* (hereinafter called "the Supplier") has undertaken, in pursuance of Contract No. *[number]* dated *[date]* to supply *[description of goods]* (hereinafter called "the Contract").

And whereas it has been stipulated by you in the said Contract that the Supplier shall furnish you with a Bank Guarantee by a scheduled bank for the sum of 5% of the total Contract amount as a Security for compliance with the Supplier's performance obligations in accordance with the Contract.

And whereas we have agreed to give the Supplier a Guarantee: Therefore we hereby affirm that we are Guarantors and responsible to you, on behalf of the Supplier, up to a total of *[Amount of the Guarantee in Words and Figures]* and we undertake to pay you, upon your first written demand declaring the Supplier to be in default under the Contract and without cavil or argument, any sum or sums within the limits of *[Amount of Guarantee]* as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until the_____ day of_____, 201__

Signature and Seal of the Guarantors/Bank

Address

Manufacturer's Authorization Form

[See Clause 3.1 (a) of the Instruction to Bidders] To: *[name of Procuring Agency]*

WHEREAS *[name of the Manufacturer]* who are established and reputable Manufacturers of *[name and/or description of the goods]* having factories at *[address of factory]* do hereby authorize *[name and address of Supplier/ Agent]* to submit a bid, and subsequently negotiate and sign the Contract with you against IFB No. *[reference of the Invitation to Bid]* for the goods manufactured by us. We hereby extend our full guarantee and warranty as per Clause 15 of the General Conditions of Contract for the goods offered for supply by the above firm against this Invitation for Bids.

In case of change of instant authorized agent; we will provide after sales services ourselves or through newly appointed agent.

[Signature for and on behalf of Manufacturer]

Contract Form

THIS CONTRACT is made at on day of 2016, between the Secretary Health, Government of the Punjab (hereinafter referred to as the "Procuring Agency") of the First Part; and M/s *(firm name)* a firm having its registered office at *(address of the firm)* (hereinafter called the "Supplier") of the Second Part (hereinafter referred to individually as "Party" and collectively as the "Parties").

WHEREAS the Procuring Agency invited bids for procurement of goods, in pursuance where of M/s *(firm name)* being the Manufacturer/ authorized Supplier/ authorized Agent of (item name) in Pakistan and ancillary services offered to supply the required item (s); and Whereas the Procuring Agency has accepted the bid by the Supplier for the supply of *(item name)* and services in the sum of Rs *(amount in figures and words)* cost per unit, the total amount of *(quantity of goods)* shall be Rs *(amount in figures and words) for free delivery items and unit price €/£/$/¥_____ for the total price_____ €/£/$/¥ of the items of CIF portion for establishing the LC.*

NOW THIS CONTRACT WITNESSETH AS FOLLOWS:

1. In this Contract words and expressions shall have the same meanings as are respectively assigned to them in the General Conditions of this Contract hereinafter referred to as "Contract":
2. The following documents shall be deemed to form and be read and construed as integral part of this Contract , viz:-
    - **a.** the Price Schedule submitted by the Bidder,
    - **b.** the Schedule of Requirements;
    - **c.** the Technical Specifications;
    - **d.** the General Conditions of Contract;
    - **e.** the Special Conditions of Contract;
    - **f.** the Procuring Agency's Notification of Award;
    - **g.** the scope of work;
    - **h.** the Contract; and
    - **i.** the Bid & its clarifications.
    - **j.** the contracted specifications (attached as annexure)
    - **k.** any undertaking provided by the firm

3. In consideration of the payments to be made by the Procuring Agency to the Supplier/ Manufacturer as hereinafter mentioned, the Supplier/ Manufacturer hereby covenants with the Procuring Agency to provide the Goods and Services and to remedy defects therein in conformity in all respects with the provisions of this Contract.

4. The Procuring Agency hereby covenants to pay the Supplier in consideration of the provision of the Goods and Services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of this Contract at the time and in the manner prescribed by this Contract.

5. *[The Supplier]* hereby declares that it has not obtained or induced the procurement of any Contract, right, interest, privilege or other obligation or benefit form Government of the Punjab or any administrative subdivision or agency thereof or any other entity owned or controlled by it (Government of the Punjab) through any corrupt business practice.

6. Without limiting the generality of the foregoing, [the Seller/ Supplier] represents and warrants that it has fully declared the brokerage, commission, fees etc, paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or including the procurement of a Contract, right interest, privilege or other obligation or benefit in whatsoever form from Government of the Punjab, except that which has been expressly declared pursuant hereto.

7. *[The Supplier]* certifies that has made and shall make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with Government of the Punjab and has not taken any action or shall not take any action to circumvent the above declaration, representation or warranty.

8. *[The Supplier]* accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any Contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other right and remedies available to Government of the Punjab under any law, Contract or other instrument, be void able at the option of Government of the Punjab.

9. Notwithstanding any rights and remedies exercised by Government of the Punjab in this regard, *[The Supplier]* agrees to indemnify Government of the Punjab for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to Government of the Punjab in an amount equivalent to ten time the sum of any commission, gratification, bribe, finder's fee or kickback given by *[The Seller/ Supplier]* as aforesaid for the purpose of obtaining or inducing the procurement of any Contract, right, interest, privilege or other obligation or benefit in whatsoever form from Government of the Punjab.

10. In case of any dispute concerning the interpretation and/or application of this Contract shall be settled through arbitration. Additional Chief Secretary shall act as arbitrator. The decisions taken and/or award made by the arbitrator shall be final and binding on the Parties.

11. This Contract shall be governed by the laws of Pakistan and the courts of Pakistan shall have exclusive jurisdiction.

IN WITNESS Whereof the Parties hereto have caused this Contract to be executed at_____(the place) and shall enter into force on the day, month and year first above mentioned.

Signed/ Sealed by the Manufacturer / authorized Supplier/ authorized Agent	Signed/ Sealed by Procuring Agency
1.	**2.**

Note: 1. In case of alliance; all the firms have to sign this document jointly along with Procuring Agency, as all firms will bear equal responsibility in execution of the contract.

Bid Form

Date:
Tender No:
To: [Name and address of Procuring Agency]

Respected Sir

Having examined the Bidding Documents, the receipt of which is hereby duly acknowledged, we, the undersigned, offer the supply and deliver the goods specified in and in conformity with the said Bidding Documents for the sum of *[Total Bid Amount]*, *[Bid Amount in words]* or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this bid.

We undertake, if our bid is accepted, to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements. If our bid is accepted, we shall obtain an unconditional guarantee of a bank in the sum of ____ percent of the Contract Price for the due performance of the Contract, in the form prescribed by the Procuring Agency.

We agree to abide by this bid for a period of *[number]* days from the date fixed for bid opening under ITB Clause 18 of the Instructions to Bidders, and it shall remain binding upon us and may be accepted at any time before the expiration of that period. Until a formal Contract is prepared and executed, this bid, together with your written acceptance thereof and your notification of award, shall constitute a binding Contract between us.

We understand that you are not bound to accept the lowest or any bid you may receive. Commissions or gratuities, if any, paid or to be paid by us to agents relating to this Bid, and to contract execution if we are awarded the contract, are listed below:

Name and address of bidder Amount and
Currency (if none, state “none”).”

Dated this day of , 2015

Signature (in the capacity of)

Duly authorized to sign bid for and on behalf of Attachment