Special Instructions: All the participants are advised to submit the Tender Documents on quotations opening date as per following (if quoted more than one item)

a. Kindly submit Separate Technical / Commercial Offers for each tender #
b. Kindly submit Separate Tender Fee for each tender #
c. Kindly submit Separate Earnest Money for each tender #

(For example, if a supplier submits the quotation for tender # 17, 18 & 20 then will submit separate technical / commercial offers and tender fee as well as earnest money for each tender #)

TENDER NOTICE NO. 17-18, 21,22, 24, 26-34 & 39-44/2026

TENDER NOTICE FOR THE PURCHASE OF DIFFERENT MEDICAL EQUIPMENTS THROUGH OPEN TENDER

A Public Sector Hospital invites sealed tenders from eligible / reputed firms / suppliers registered with income tax / general sale tax department for the purchase of different medical equipment's under single stage – two envelopes bidding procedure from the eligible tenderers / suppliers / manufacturers for the following items on **FOR Islamabad basis**.

Sr. #	Tender No.	Description	Tender Fee	Last Date / Time of Bid submission	Bids Opening Date / Time
1.	17/2026	3D OPG Machine	2,000/	18-11-2026 At 10:00 Hrs	18-11-2026 At 10:30 Hrs
2.	18/2026	Cardiac Monitor 5 Parameter	2,000/-		
3.	21/2026	Cardiac Monitor 7 Parameters with CO2 Monitoring	2,000/-		
4.	22/2026	Defibrillator	2,000/-	19-11-2026 At 10:00 Hrs	19-11-2026 At 10:30 Hrs
5.	24/2026	Rotary Tissue Processor	2,000/-		
6.	26/2026	Ultrasonic Nebulizer	2,000/-		
7.	27/2026	ECG Machine	2,000/-	21-11-2026 At 10:00 Hrs	21-11-2026 At 10:30 Hrs
8.	28/2026	C-Pap Machine	2,000/-		
9.	29/2026	Oxygen Concentrator	2,000/-		
10.	30/2026	Ultrasound Machine Portable	2,000/-	23-11-2026 At 10:00 Hrs	23-11-2026 At 10:30 Hrs
11.	31/2026	Central Nursing Monitoring System (16-32 beds)	2,000/-		
12.	32/2026	RO System with SS and UV Loop	2,000/-		

13.	33/2026	Dialysis Chair	2,000/-	24-11-2026 At 10:00 Hrs	24-11-2026 At 10:30 Hrs
14.	34/2026	Ophthalmoscope	2,000/-		
15.	39/2026	Urology Items	2,000/		
16.	40/2026	Ultrasonic Cleaner	2,000/-		
17.	41/2026	Cholangiosocpy with processor, monitor & water pump	2,000/-	25-11-2026 At 10:00 Hrs	25-11-2026 At 10:30 Hrs
18.	42/2026	Portable Dental Unit	2,000/-		
19.	43/2026	Infusion Pump	2,000/-		
20.	44/2026	Syringe Pump	2,000/-		

ii. A set of tender documents along with terms and conditions can be downloaded from **PPRA website: www.ppra.org.pk** at a cost of **Rs. 2,000/- separately for each tender** payable in the shape of "Pay Order/Demand Draft" in favor of **"Head LAO, Public Sector General Hospital, Islamabad"**. The Pay Order/Demand Draft and tender request must be submitted separately along with tender proposals before closing date of tender. No Tender / Proposal will be accepted without Tender Fee.

iii. This tender can be seen on PPRA website www.ppra.org.pk also.

iv. The competent authority reserves the right to reject any or all the tenders.

Admin Officer
Public Sector General Hospital
H-11/4 Islamabad
Ph: 051-9257171
Ext: - 289

INSTRUCTIONS

TO FILL UP THE TENDER DOCUMENTS

Technical worksheet

- Download file named "Tender File medical equipments" from URL: www.ppra.org.pk for quoting technical specification of "Medical Equipments".
- Open relevant file.
- Save the file when it is complete to fill up the cells of as many brands as you want to quote.
- Please write "NQ" against non-quoted items in empty cells.
- Technical Proposal should not indicate any price. There will be two different envelopes, one for Technical Proposal only and one for Financial Proposal. All pages of hard copy should be stamped, signed and with dated of Technical Proposal. The format of which is contained in the required proposal attached with tender documents available at PPRA website.
- In addition to the hard copy, a soft copy as CD / Flash Drive should also be submitted with the technical proposal in MS Excel / MS Office format.
- The hard and soft copies should be identical.
- Variation in hard and soft copy will not be acceptable.
- Put duly signed / stamped print-outs and CD / Flash Drive of "Technical" worksheet in an envelope and name it as "Technical Proposal" along with following documents:
    - i) GST Certificate
    - ii) NTN Certificate
    - iii) Professional / Trade Tax Clearance Certificate
    - **iv) Original Bank Draft of Earnest Money 2% of total value of equipment**
    - v) Valid Authority/ Distribution letter
    - **vi) Original Bank Draft of Rs. 2,000/- as Tender Fee (in separate envelope)**
    - vii) Agency agreement with manufacturer (foreign / local)

- Properly seal the envelope named "Technical Proposal".

Financial worksheet

- Open same saved file again as above.
- Take print outs of "Financial" worksheet and sign & stamp each page.
- Write a CD / Flash Drive or "Save As" the file in CD / Flash Drive for making a soft copy of "Financial" worksheet (Keep it in mind that Technical worksheet will also be included in the saved file).
- Put duly signed / stamped print-outs and CD / Flash Drive of "Financial" worksheet in an envelope and name it as "Financial Proposal".
- Put both the envelopes named "Technical Proposal" and Financial Proposal" in a large envelope and Mark it as "**Tender for Medical Equipments**" and properly seal it. Submit the tender documents to the specified address: **Admin Officer, Public Sector General Hospital, H-11/4, Islamabad (PGHI)** or directly drop it to the office of Procurement Branch, Islamabad.

TERMS & CONDITIONS
PUBLIC SECTOR
GENERAL HOSPITAL H-11/4
ISLAMABAD

No. Hosp-1(64 to 81)/26/D-B/26-27 Dated: -11- 2026

M/S _____
_____
_____

Subject: **TENDER ENQUIRY FOR THE SUPPLY OF "DIFFERENT MEDICAL EQUIPMENTS" THROUGH OPEN TENDER**

Dear Sir,

The following instructions may kindly be complied with while forwarding quotations for the supply of "**Different Medical Equipments**" through open tender basis for **FOR basis at Public Sector General Hospital, Islamabad**.

1. The quotations should be addressed to **Admin Officer, Public Sector General Hospital, H-11/4, Islamabad**. The bidders will submit their offers using single stage two envelopes bidding procedure as per following details: -

   i. The bid will be comprised of a **Single Package containing Two Separate Envelopes**. Each envelope will contain separately the "Technical Proposal" and the "Financial Proposal" in both soft and hard copy in the shape of CD / Flash Drive and print-outs respectively.

   ii. The separate envelopes should be marked as **"TECHNICAL PROPOSAL"** and **"FINANCIAL PROPOSAL"** in **bold and legible letters** in order to avoid confusion**.**

   iii. Initially only the envelopes marked **"TECHNICAL PROPOSAL"** will be opened.

   iv. The envelopes marked as **"FINANCIAL PROPOSAL"** will be retained in safe custody without being opened until opening date for financial proposals.

   v. The technical proposal will be evaluated **without reference to any Price** and any proposal that do not conform to the specified requirements will be rejected.

   vi. No amendment in the Technical Proposal will be permitted during evaluation.

   vii. The Financial Proposal of the bids will be opened publicly at a specified time, date and venue announced and communicated in advance to the bidders of technically accepted bids only. The Financial proposal of the bids found non-responsive or without offered rates will be returned to the respective bidder and would be treated as cancelled.

   viii. The firm will submit only one quotation against one tender document. For alternate quotations, if any, the firm will purchase separate tender documents and **also will submit bid security along with each technical offer.**

   ix. **Only those firms will be considered as eligible to participate in this tender, which would have stock available with them.**

General terms & conditions:

2. All the **Technical Proposals and Financial Proposals** in **Sealed Envelopes** clearly marked as **"purchase of ..... (separately for each tender #)** should reach the undersigned on or before the tender opening date already **mentioned in advertisement** up to **10:00am.** Technical bids of **each item** will be opened on opening date as **already mentioned in advertisement** at **10:30am** in **Conference Room, Public Sector General Hospital, Sector H-11/4, Islamabad** in the presence of bidders who would have submitted their offers as per instructions/ requirements and intend to be present. In case of falling holiday on the opening date, the tenders will be opened on the next working day at the same time.

Special Instructions: All the participants are advised to submit the Tender Documents on quotations opening date as per following (if quoted more than one item)

a. Kindly submit Separate Technical / Commercial Offers for each tender #
b. Kindly submit Separate Tender Fee for each tender #
c. Kindly submit Separate Earnest Money for each tender #

(For example, if a supplier submits the quotation for tender # 18, 19 & 21 then will submit separate technical / commercial offers and tender fee as well as earnest money for each tender #)

3. **No tender will be considered if: -**

a. It is received after the time and date fixed.
b. The tender and related documents are not signed.
c. The offer is ambiguous.
d. Items offered differ in descriptions/requirements/format etc. from those required.
e. It is submitted without tender fee, earnest money or with less earnest money as a general policy.

4. **Following Documents must be attached with Technical Proposal: -**

i. GST Certificate
ii. NTN Certificate
iii. Profession / Trade Tax Clearance Certificate
iv. Original Earnest Money
v. Valid Authority/ Distribution letter **(Items quoted without authority letter will not be considered)**

5. **The offered rates/quotation will be valid for 90 days.**

6. **Earnest** money @ 2% total **value of contract value** in the form of **Pay Order/ Bank Draft,** in favor of **Head LAO, Public Sector General Hospital, Islamabad** must be attached ***along with the Technical Offer in separate sealed envelope. Financial proposal should contain only offered price / rate.***

7. Earnest money will be returned to the unsuccessful bidders soon after finalization of the financial proposal.

8. The supplier is required to present his agency agreement with the manufacturer (local or foreign) to establish linkage with the manufacturers for the products authorized for sale by the distributor. PGHI will have the right to verify authenticity of agency agreement.

9. The quantities to be purchased from the suppliers can be increased or decreased as per requirements of PGHI. The suppliers are to ensure timely delivery of equipments as

specified failing to which liquidated damages / late delivery (L.D) charges will be applied @ 2% per day subject to a maximum of 10% of the purchase order.

10. **Special Instructions: -**

i. GST / Income Tax will be charged as per prevailing Govt Rules

ii. Suppliers/Distributors are bound to submit a valid authority letter/sole distribution certificate for all the quoted brands failing which offer will not be accepted and the same must be attached along with the **TECHNICAL PROPOSAL.**

iii. No change will be allowed during the currency of contract in supplier's distribution and the supply orders will be generated in the name of same supplier quoted in the tender.

iv. Rates must be quoted in the specified file available on PPRA website. Any proposal submitted without observing the instructions will be rejected.

v. **It should be clearly mentioned in your quotations (Both in Technical/Commercial) whether your quoted rates are inclusive / exclusive OR exempted from GST. If any supplier doesn't mention the status of GST in technical / financial offer, then it will be considered with GST.**

11. Any correspondence regarding this tender must be addressed to **Admin Officer, Public Sector General Hospital, H-11/4, Islamabad** only. For any additional information contact on telephone numbers mentioned below.

12. The Competent Authority reserves the right to accept or reject any or all the offers.

(Muhammad Anwar Kamal)
Admin Officer
Public Sector General Hospital, H-11/4, Islamabad
Phone: 051-9257171 Ext: 289
Fax: 051-9258862

TECHNICAL SPECIFICATIONS OF DIFFERENT MEDICAL EQUIPMENTS

Following are the minimum requirements. Products offered must meet these parameters here in.

Tender No. 17/2026 3D OPG Machine with Multi FOV CBCT, PAN, CEPH or Equivalent (Qty 01)

Imaging Modalities:

- Digital panoramic imaging
- 3D CBCT imaging
- TMJ imaging
- Maxillary sinus imaging
- Dentition and segmented panoramic imaging
- Bitewing imaging
- Lateral CEPH
- System should be **compact integrated 3D imaging platform** suitable for routine dental, implantology, orthodontic, endodontic, oral surgery and TMJ Lateral CEPH applications. System should be **(Floor Mounted)**
- **3D software should be provided:**
  - Axial, coronal and sagittal reconstructions
  - Multiplanar reconstruction (MPR)
  - 3D volumetric rendering.
  - Measurement tools.
  - Brightness / contrast adjustment.
  - Zoom / annotation / export tools.
  - Implant planning / nerve tracing where applicable.
- System should be **advanced metal artifact reduction / artifact-reduced image processing** through manufacturer's proprietary algorithm.
- System should be support **high-resolution volumetric acquisition with voxel size suitable for endodontic and implant applications.**

3D Acquisition Protocols / Dose Optimization

- System should be **minimum 03 selectable 3D acquisition / image quality protocols** for the same FOV to adapt dose according to diagnostic need, such as:
  - Low dose / ECO protocol
  - Standard / Regular protocol
  - High detail / Best quality protocol
- System should be **automatic exposure adaptation according to patient anatomy, bone density and size** through manufacturer's intelligent dose-management technology.
  Exposure time for pan adult should not be more than 12-13 Sec
  Pediatric low-dose 3D and 2D protocols shall be available.

Reconstructed volumes size
(Multi FOV-Multiple Field of View)

- Complete dentition: 100 x 100 mm (diameter x height) or equivalent
- Maxillary dentition: 90 x 50 mm (diameter x height) or equivalent
- Mandibular dentition: 90 x 50 mm (diameter x height) or equivalent
- Standard examination programs
  i. Adult panoramic
  ii. Child panoramic with reduction of exposure parameters

iii. TMJ open/ close mouth: 4 slices are taken on the same image: left/ right condyle, open/ close mouth.
iv. Condyles are examined in lateral projection
v. Maxillary sinus P-A: projection, where both the maxillary sinuses are represented.

- In every program the compensation of spinal column is obtained by means of parameters modulation, optimized in function of the anatomic program

Standard 3D Programs

- Full dentition: Dentition volumetric exam allows to obtain a full view of the patient dentition.
- Maxillary dentition: Maxillary dentition volumetric exam allows to obtain a view of upper dentition.
- Mandibular dentition: Mandibular dentition volumetric exam allows to obtain a view of the lower dentition.
- TMJ right: TMJ right exam in 3D modality allows to have a clear perspective of the right condyle and of its position in the mandibular is fossa.
- TMJ left: TMJ left exam in 3D modality allows to have a clear perspective of the left condyle and of its position in the mandibular is fossa.
- Sinus: Images taken in 3D modality allow to have a full perspective of sinus area.

Image Magnification

- Panoramic 1.28 constant or equivalent
- Open/ close mouth TMJ 1.25 average or equivalent
- Sinus 1.27 average or equivalent
- Cephalometery 1.10 in the mid-sagittal plane in LL projection (when displayed on computer's screen magnification appears as 1:1 due to software correction)

Anatomic Programs

- Patient type: Adult and child
- Patient size: Small, medium and large
- Arch shape: Standard, protrusive and retrieve
- 3D partial volumes: Full, maxillary and mandibular

Generator

- High frequency generator, constant potential
- Ripple: <4% or better
- High frequency: 200 kHz or better
- High voltage: 60 - 90 kV, 1 kV steps or better
- Anode current: 2 - 15 mA, step 1 mA for cephalometery 6 - 10mA, step 1 mA for other exams
- Generator output power: minimum 3 KW
- Exposure time:
  - Panoramic: 2 – 15 sec
  - 3D.CBCT: 5 – 20 sec
  - Cephalometric: 0.5 – 5 sec

X-Ray Tube

- Focal spot size: 0.5 (EN 60336) or better
- Heat storage capacity: 30 Kj (40 kHU) minimum
- Total filtration: 2.5 mm Al eq minimum
- Duty cycle: Adaptive duty cycle according to exposure factors.
- Further reduction for the first three exposures:

Digital Acquisition System PAN + 3D Sensor

- Technology: Amorphous Silicon flat Panel with Cesium Iodide (CsI) scintillator

- Active area should be minimum 100 x 100 mm
- Pixel size: 73 ~100 µm or better
- Voxel size 75 ~ 85 µm or better
- Detector matric: 1024 x 1024 pixels) or better
- Grayscale resolution: (A/D conversion) (16 bits) or better

- Rotation angle 3D: 200º or more
- Projection number: 400 or more
- Reconstruction time: 45 s (90 s with metal artifact algorithm) or better
- PAN image size: 130 x 292 mm or more
- PAN image matrix: 1024 x 2300 pixels or more

CEPH CMOS Sensor

- Technology: CMOS sensor with Caesium Iodide (CsI)scintillator screen
- Sensor size: 6 x 220 mm or more
- Pixel size: 48 µm (96 µm in 2 x 2 binning; 14 µm in 3 x 3 binning) 3.4 lp/ mm (in high speed modality 3 x 3 binning) or better
- Gray levels: 4096 ~ 15,000 (12 ~ 14 bits) in acquisition (A/D converter) or better
- Max useful image size: equivalent to a 24 x 30 cm film or better

Image Acquisition

- 3D allows to acquire digital images through Giga-Ethernet connection: the images and the exposure parameters are transferred from 3D to the PC wireless/ Ethernet connection. The images are displayed on the screen in real time during the exposure.
- System must be capable with 02 CMOS detector minimum

Software

- 3D is equipped with latest software for image acquisition, storage and processing 3D product data.

Along with

- PC workstation and 21" LCD monitor (Medical Grade) minimum
- Ram: 16 GB, Hard Drive 1 TB SSD (Graphic Card)
- PC compatible software
- Software 3D module
- DICOM package (print, store, work list)

- Compatible dicom printer.
- Online UPS 6 Kva minimum for whole system
- Lid apron and colar for patient and user. (Qty-04 each)
- LEAD Pannaling in room where the equipment to be install. **(Separately price must be quoted)**

Technical Training

- Technical/user training of biomedical department & end user for 01 week.
- License key and password will be provided to technical staff.

TERMS & CONDITIONS

- Sole distributor certificate must be provided.
- CE (MDD No) / FDA 510K/ JIS (MHLW) approved. **(Any two certificate required)**
- Tube price will be lock for next five years after expiry of warranty.

WARRANTY /GUARANTEE

- Five-years warranty with free service and part after installation and 10 years part availability at component level.

- After expiry of warranty further 05-year Extended maintenance contract with spare parts/ without parts quotation is mandatory on following table.

1st year 2nd Year 3rd Year 4th Year 5th Year

Note: Without maintenance contract quotation offer will be straight forward rejected. These rates will be quoted in financial offer however must mention in technical offer that maintenance contract rate has been quoted in financial offer.

- Service Manual with schematic circuit diagram as per IT requirement.

Country of Origin & Manufacturing: EU, USA, Japan, UK

Tender No. 18/2026 Cardiac Monitor 5 Parameters (Qty 12)

General Feature

Display	15" or More color TFT/ LCD touch screen
Waveform	Graphic displayed at the same time
Trend	96 hrs min or better
Battery back up	More than 03 hrs continuous operation
Monitor Modes:	Monitor used for adult, pediatric and neonatal monitoring.
Standard parameter	ECG, Temp, NIBP, SPO2, respiration All parameter should have standard alarm system
Up-gradable	Monitor should be compatible to up-gradation
AC Power	220V, 50Hz

ECG

Leads	3 leads/ 5 leads selectable RA,LA,RL,LL,V
Heart rate range	10 to 300 bpm
ECG Size (Sensitivity)	0.5, 1, 2 mV/ cm
Pacemaker detection mode	Indicator on waveform display, user selectable
Lead Off	Auto detection
Base line Recovery	<3 sec or better
Arrhythmia Analysis:	➢ Arrhythmia analysis and ST analysis. ➢ Minimum 20 or more arrhythmia items.

SPO2

% Saturation range	0% to 100%
Pulse rate range	30 ~ 300 bpm (Accuracy: ± 2 bpm or better)

NIBP

Technique	Oscillometric / INIBP
Measurement modes	Manual: Single measurement Auto: Automatic intervals of 1-60 min STAT: Continuous measurement during 5 min
Cuff pressure display	0 to 300 mmHg (Adjustable)
Measurement range	Systolic BP, Diastolic BP and Mean BP
Cuff inflation pressure	Adjustable

Respiration unit

Range	1 to 120 min
Accuracy	± 2 breaths/ min or better

Temperature Unit

Range in both	15° C to 50° C (59 °F to 122 °F)
Accuracy	±0.1 °C or better

Optimal Upgradeability

- Invasive blood Pressure monitoring
- Capnography (ETCO2)
- 6 & 12 Lead ECG
- Monitor should be compatible with central monitoring system.

Standard Accessory:

- 5- lead patient cable - Qty-01
- Electrodes Set -01
- NIBP Extension hose Qty-01
- Reusable Cuff each unit: Adult, Paeds, Neonate (01 each)
- SPO2 sensor, reusable (Neonate warping, Paeds Ear Attachment clips, Adult finger) Qty-01 each
- Temperature probe Qty-01
- Monitor wall mounted stand Qty-01

Note: A demonstration will be carried out during technical evaluation of quoted model PAEC General Hospital Islamabad.

Firm must provide

- FDA K 510/ CE (MDD)/ MHLW **(any**
- **two-certification required)**
- Sole distribution certificate must be provided.

WARRANTY /GUARANTEE

- Three-years warranty with free service and part after installation and 10 years part availability at component level.
- **Manual:** Two sets each of the following manual in English languages will be provided free of cost in original form.
    1) Operator/User Manual
    2) Service Manuals consisting of
        - Working principal
        - Trouble shooting chart
        - Alignment /Adjustment
        - Fault finding / Calibration Software
        - All electrical /electronic/mechanical schematic circuit diagram
        - Part list at component level

The firm has strong set up for back up support in Rwp / Islamabad.

Country of Origin: EU, USA, Japan, China, Turkey

Tender No. 21/2026 Cardiac Monitor 7 Parameters upgradable with CO2 Monitoring (Qty 03)

General Feature:

- Should be suitable for Neonatal, Pediatric and Adult
- Trend Data: 96 hours trend graphical and tabular.
- Monitor should be compatible with central monitoring system.

Operating Features and Characteristics:

- Non fade TFT color display
- Electro-surgical interference suppression/protection
- Defibrillator protection
- Freeze and cascade facility
- Waveform traces speed: 25 to 50 mm/sec
- Display Screen Size: min. 15" or more TFT/LCD Color Touch Screen.

PARAMETERS:

ECG:

- Numeric: heart rate
- Lead Type: 5 Lead and 3 Lead selectable (12 Lead **Optional)**
- ECG Hr Range: Adult, Pediatric, Neonate: 15-300 bpm
- 12 Lead Analysis should be with 10 Lead ECG. ST Segment analysis and reporting should be available

Non-Invasive Blood Pressure (NIBP):

- Method: Automatic Oscillometric
- Numeric: Systolic, diastolic and mean pressures
- Selectable auto inflate /inflate pressure adjustable 0 – 300 mmhg ± 5%.
- Rising cuff / continuous pressure display
- Measurement time 15 sec to 35 sec

Temperature:

- Numeric: Temperature selectable in ◦C / ◦F
- Channels: 2 channels & ΔT.

Pulse Oximetry:

- Numeric: 0-100% oxygen saturation measuring range.
- Waveform: plethysmograph pulse with pulse strength indication.
- Motion Tolerance Technology.

Arrhythmia Analysis:

- Arrhythmia analysis and ST analysis.
- Minimum 30 or more arrhythmia items.

Respiration:

- Mode: Auto/ Manual
- Breathe rate display and alarms.
- Sweep speed; 12.5 to 50 mm/sec.

ETCO2 MAIN/ SIDE STREAM FOR NON INTUBATED PATIENTS:

- AIRWAY ADAPER (01 Packet) 25 pcs
- NASAL ADAPTRE (01 Packet) 25 pcs
- ETCO2 technology should be from the original/same manufacturer.

HL7 Connectivity to connect with HIMS system.

Alarms:

- High & low (settable) on all parameters
- Visual and audible indication of alarms.
- Apnea time 5-40s.

DUAL IBP (Optional must be quoted).

Standard Accessories

a) ECG Leads: 01 set (1 x 5 leads)
b) SPO2 probe: 03 set (1 x Adult, 1 x Pead and 1 x Neonate wrapping)
c) NIBP reusable cuff: Neonate/ Infant, Paeds and adult and Extra large Qty- (02 each size)
d) Temp Probe skin & Rctal Qty-01 each
e) Monitor stand with accessory basket from original manufacturer.

Mandatory to quoted (Optional)

a) EEG Monitoring Module must be quoted in offer.
b) Thermal Printer must be quoted.

Operating Requirements:

- AC 22ov/50Hz
- Built-in battery for at least 04 hour AC power failure at full parameter.

Note: A demonstration will be carried out during technical evaluation of quoted model PAEC General Hospital Islamabad.

Firm must provide

- FDA K 510 and CE (MDD)/ MHLW **(any two-certification required)**
- Sole distribution certificate must be provided.

WARRANTY /GUARANTEE

- Three-years warranty with free service and part after installation and 10 years part availability at component level.

Manual: Two sets each of the following manual in English languages will be provided free of cost in original form.

3) Operator/User Manual
4) Service Manuals consisting of
    - Working principal
    - Trouble shooting chart
    - Alignment /Adjustment
    - Fault finding / Calibration Software
    - All electrical /electronic/mechanical schematic circuit diagram
    - Part list at component level

Firm must have local workshop in Rawalpindi/Islamabad and have at least 2 factory trained engineers.

Country of Origin: EU, USA, Japan, Korea, China, Turkey

Tender No. 22/2026 Defibrillator A & B (Qty A 05, B 10)

A: - DEFIBRILLATOR, Dialysis & HDU

General Mode of Operation: Manual + AED Shock Advisory + Monitoring

- Compact & portable for easy carrying
- Biphasic form
- Simple in operations with easy to maintain & services

Display: 7"-inch diagonal, LCD Non glare, Non feed color TFT screen or above

Defibrillator

- Wave form
- Biphasic current, impedance compensated, optimized, terminating
- Current, truncated exponential biphasic

ENERGY SELECTION: From 2—270 Joules

Charge Time: Less than 07 second, from 0 to 270 joules

CHARGE INDICATOR

- Audible and graphic
- Synchronous cardio version;
- Energy transfer within 60 m sec

DISARM

- Disarm switch manuals
- Auto disarm after 30 second

MONITOR

ECG	Three lead or 05 leads patient cable Paddles leads monitoring should be available with all type of paddles Lead Selection (I, II, III, AVR AVL AVF) Heart rate display range (20----300) CV Classification CF. defibrillator Prof
Alarms	Heart rate, VT/VF, alarms Low battery
Printer	50 mm paper size ,25 mm/sec ECG speed Manual & Auto modes Auto print after defibrillation, pacing Event log (last 24 hrs or 20events)

Battery	Inbuilt rechargeable Battery time 2 hrs or 50 discharge at 270 J Low battery alarm or display
Power	100—240 volts

Optional Facilities;

a) Pulse Oximeter (SPO2) range 1--- 99%
b) Pacer (External)

- External transcutaneous pacing, rate 30---180 bpm out put
- Current 30----180 mA

Modes: Demand asynchronous
Wave form: Biphasic, constant current
Storage: Data storage memory

Standard Accessories

- External paddles disposable for AED (Adult & Peads)
- ECG patient cable 05 lead
- Electrode (5 Pack)
- Recording paper x 3
- Standard adult& Pediatric paddles
- Compatible Trolley: Qty-01
- Accessories Bag
- Gel: 1 Gallon 5L

Optional accessories

- Internal paddles (Peads & Adult) must be quoted.
- Spo2 sensor probe

Firm must provide

- FDA K510 & CE MDD/ JIS/ MHLW (**Any two certifications)**
- Sole distribution certificate must be provided.

WARRANTY /GUARANTEE

- Three-years warranty with free service and part **(Battery will be considered in warranty**) after installation and 10 years part availability at component level.

MANUALS

Two sets each of the following manual in English languages will be provided free of cost in original form.

1. Operator/User Manual
2. Service Manuals with error code.

The firm has strong set up for back up support in Rawalpindi/ Islamabad.
Country of Origin: USA, EU, Japan

B: - DEFIBRILLATOR FOR WARD

General Specification:

1. **Biphasic** transthoracic (external) defibrillator with 7"-inch minimum LCD color display.
2. **Synchronized** output with ECG.
3. **Charging Indicator** on External paddles.
4. **Quick selection** of Defibrillation mode to AED and vice versa through rotary switch (For quick energy selection)/Button.
5. The energy range should be adjustable for Peads and Adults up to **200 Joules**
6. Charging Time for 200J should be less than **05 sec**
7. Audible and graphic
8. Real time CPR Feedback

9. The ECG **baseline recovers within 3 seconds** after defibrillation.
10. Display of HR, **ECG through paddles** and Lead I.II & III patient cable.
11. Built-in recorder for printing on standard **50mm** paper or larger
12. **Alarms** for High and low Heart rate, low battery warning.
13. Built-in Rechargeable battery with charger for minimum **100 shocks** at maximum energy.
14. **Auto tester**/ self-check.
15. External Paddles (Adult & Pead)
16. **AED** facility.
17. **Built in Pacing facility**
18. AC 220V /50Hz operated.

Standard Accessories:

a) Complete with standard accessories, including reusable paddles type Adult & Pediatric.
b) AED pad will be provided free of cost. Qty-02
c) Accessories bag Qty-01
d) Gel: 1 Gallon 5L

Optional Accessories: Reusable internal paddle must be quoted.

Note: A demonstration will be carried out during technical evaluation of quoted model at PAEC General Hospital Islamabad.

- Quoted models should be available on Original Equipment Manufacturer official website to verify online. (otherwise offer will be rejected)

Term & Condition

- FDA k 510/ CE (MDD)/ MHWL *(**Any one certification required)**
- Sole Distribution certificate must be provided.

WARRANTY/GUARANTEE:

- Three- years warranty & part (Battery will be considered in warranty) after installation and 10 years' part availability at component level.
- **Manual:** Two sets each of the following manual in English languages will be provided free of cost in original form.
    5) Operator/User Manual
    6) Service Manuals consisting of
        - Working principal
        - Trouble shooting chart
        - Alignment /Adjustment
        - Fault finding / Calibration Software
        - All electrical /electronic/mechanical schematic circuit diagram
        - Part list at component level

The firm has strong set up for back up support in Rawalpindi/ Islamabad.
Country of Manufacturer: USA, EU, JAPAN

Tender No. 24/2026 Rotary Tissue Processor (Qty 01)

Technical Specification:

- Capacity: Standard 70-cassette random baskets or up to 110 cassettes in organized baskets.
- Reagent Containers: 10 durable, solvent-resistant containers with a volume of 2100 ml each.
- Wax Baths: 2 baths with a 1500 ml capacity each.
- Temperature is adjustable between 45 °C and 65 °C.

- Safety for over temperature protection
- Programming; User-friendly handheld controller that can store up to 4 complete processing programs in its memory.
- Stainless steel baskets for receiving the tissue samples with snap lock.
- Programme continues or moves to a defined position in case of power failure.
- Step times are programmable up to 99 hours.
- Delayed Start: Can be programmed to start automatically up to 9 days in advance.
- Power Requirements: 100--240 V, 50/60 Hz.
- **Optional Features**: An optional vacuum unit is available for rapid wax infiltration, along with extra wax positions (up to 4).

Term & Condition:

- Sole distributor certificate must be provided.
- FDA/ CE (MDD)/ MHLW approved (any one certificate required)

WARRANTY /GUARANTEE

- Three-years warranty with free service and part after installation and 10 years part availability at component level.
- **Manual:** Two sets each of the following manual in English languages will be provided free of cost in original form.
  - Operator/User Manual
  - Service Manuals consisting of

The firm has strong set up for back up support in Rwp / Islamabad.

Country of Origin: EU, USA, Japan, China, Turkey

Tender No. 26/2026 Ultrasonic Heavy-Duty Nebulizer (Qty 06)

Feature: -

- Noise Less than 50 db
- Continuous Operation more then 4 hrs
- Large Medicine Capacity
- Automatic protection of water shortage.

Technical Specification

- Ultra Sonic Frequency: 1.5 MHz to 2.5 MHz ± 10%
- Capacity of small atomizing cup: 150ml or more
- Capacity big atomizing: 350 ml ore more
- Atomizing rate: 4 ml/ minute
- Timing range: stepless and 0-60 minute
- Water tank capacity: 300 ml or more
- Particle size: minimum 0.5 um or better
- Air Flow: 10-15 ltr / minute
- Speed: Adjustable
- Safety control: Water level, Fan Motor, over Temperature/ thermostat.
- Power: AC 220V, 50/60Hz operated.

Standard Accessories

a) Trolley Qty-01 (Imported)
b) Re-useable Hose (Disposable) Qty-05
c) Filter Qty-05
d) Sealing Ring Qty-02 for transducer

e) Mask — Adult, Pead, Neonate
f) Disposable Medication chamber — Qty-10
g) Spare Transducer — Qty-01

Note: A demonstration will be carried out during technical evaluation of quoted model at PAEC General Hospital Islamabad.

Firm Must Provide:

- FDA/ CE (MDD)/ MHLW (any one certificate required)
- Sole Distribution certificate must be provided.

WARRANTY /GUARANTEE

- Three-years warranty with free service and part after installation and 10 years part availability at component level.
    7) Operator/User Manual
    8) Service Manuals

The firm has strong set up for back up support in Rawalpindi / Islamabad.

Country of Origin: EU, USA, Japan

Tender No. 27/2026 ECG Machine (Qty 03)

12 CHANNEL ECG MACHINE
Technical Specification:
➢ Twelve Channels ECG on at least 8 inches Color LCD / LED display or better
➢ Manual and Automatic Operation
➢ Keyboard Type: Elastomer keyboard with complete alphanumeric keys, soft-key menu, and dedicated function keys.
➢ Variable Gain: 1.25, 2.5, 5, 10, 20, 10/5 mm / mV, AGC
➢ Interpretation Software both Adult and Paeds
➢ Built-in Glasgow Interpretation
➢ Recording Trace speed: 5 / 10 / 12.5, 25 and 50 mm / sec or better
➢ Muscle artifact and AC (50 Hz) interference filters
➢ Defibrillator Protection
➢ Pacemaker signal detection
➢ Built-in battery operation with 4 hours standby backup or better
➢ Storage capacity of 10,000 or more ECGs
➢ Paper Size: A4 / 210 mm or better
➢ Noise Filter, Baseline Correction and Drift Control
➢ Capability to interface with LAN / WLAN for data transfer
➢ Should have bi-directional DICOM connectivity
➢ Built-in Thermal Recorder for printing out Twelve Channels simultaneously
➢ Operating Requirement: AC 220 V & 50 Hz
Complete Accessories:
➢ Patient cables for Adult & Paediatric use with re-usable electrodes and for Neonatal use with re-usable / disposable electrodes
➢ Dust Cover
➢ ECG Paper (Qty-20)
➢ Dedicated ECG Mobile Cart (Local)
➢ Provision of battery charging slot in case of mobile / ambulance usage

Note: A demonstration will be carried out during technical evaluation of quoted model at PAEC General Hospital Islamabad.
Quoted models should be available on Original Equipment Manufacturer official website to verify online. (Otherwise offer will be rejected)

Firm must provide

- FDA K 510/ CE (MDD)/ MHLW (**any two-certification required)**
- Sole distribution certificate must be provided.

WARRANTY /GUARANTEE

- Three-years warranty with free service and part after installation and 10 years part availability at component level.
- **Manual:** Two sets each of the following manual in English languages will be provided free of cost in original form.
    9) Operator/User Manual
    10) Service Manuals consisting of

The firm has strong set up for back up support in Rwp/ Islamabad.
Country of Origin: EU, USA, Japan, China, Turkey

Tender No. 28/2026 C-Pap Machine (Qty a. 02 & b. 06)

a. C-PAP with High Flow Oxygen Therapy Device with NIV

General Feature:

- Device Type: Non-invasive and high flow dual mode oxygen therapy device, usable for patients with spontaneous breathing, including artificial airway respiratory insufficiency; suitable for use in hospitals and long-term care institutions.
- Settings: O2 concentration, temperature and flow shall be adjustable.
- Non-invasive Mode: CPAP, auto CPAP, S, Auto S, S/T, T

Ventilation Feature:

- IPAP: 4 – 40 cm H2O
- EPAP: 4 – 25 cm H2O
- Target Tidal Volume: 100 to 200 mL (Off option available)
- Respiratory Rate: 3 to 60 breaths/ min. adjustable.

Flow & Oxygen Delivery:

- Flow Rate Range: 2 LPM to 80 LPM
- Oxygen Concentration Range: 21% to 100%

Humidification:

- Temperature Output range: 29°C to 37°C
- Humidity Compensation: Innovative 7-level humidity compensation function, providing ±3 adjustable humidity compensation, capable of coping with various harsh temperature and humidity environments.

Special Functions:

- autoFlow: Automatically sets the output flow parameters based on the peak expiratory flow (PEF) of the patient.
- SmartFlow: Follows the patient's every breath and switches the flow between breaths, providing a higher flow when inhaling and a lower flow when exhaling.

Standard Accessories:

a) 1 x Oxygen sensor/ built - in
b) 1 x SpO2 sensor (Paeds, Adult)
c) 1 x Temp sensor
d) 1 x High pressure oxygen hose

e) 2 x Oral Nasal mask (small, Medium, Large)
f) 10 x Disposable Adult circuit that should include Nasal Cannula with pressure port, Breathing heated circuit, Water chamber Bacterial filter, Tube
g) Original Trolley: Local trolley not acceptable

Note: A demonstration will be carried out during technical evaluation of quoted model at PAEC General Hospital Islamabad.

Firm must provide

- FDA K 510/ CE (MDD)/ MHLW (any one certification required)
- Sole distribution certificate must be provided.

WARRANTY /GUARANTEE

- Three-years warranty with free service and part after installation and 10 years part availability at component level.
- **Manual:** Two sets each of the following manual in English languages will be provided free of cost in original form.
  11) Operator/User Manual
  12) Service Manuals consisting of

The firm has strong set up for back up support in Rwp/ Islamabad.
Country of Origin: EU, USA, Japan, China, Korea, Turkey

b. BiPAP AVAPS

General Feature: COPD, Restrictive Disorder, Obesity Hypoventilation, Neuromuscular Disorder & Obstructive Sleep Apnea.

Mode: CPAP, S, S/T, T

Ventilation Pressure:

i. IPAP: 4 to 30 cm H_2O (Increment is .5 cm H_2O)
ii. EPAP: 4 to 25 cm H_2O (increment is 5 cm H_2O)
iii. CPAP max pressure is 20 cm H_2O

- Breaths per minute: 1 to 30 (increment is 1 breath)

Ventilation feature:

Digital parameters like leakage pressure, tidal volume must show by screen

AVAPS:

i. Target volume: 200 to 1500 ml per breath (increment is 10 ml)
ii. Max. IPAP: 6 to 30 cm H_2O
iii. Min. IPAP: EPAP plus 2 to 30 cm H_2O (minimum pressure support is 2 cm H_2O)

Inspiration time: .5 to 3.00 seconds (increment is .1 seconds)
Rise time: 1 to 6
Ramp time: 5 to 40 minutes (Increment is 5 minutes)
Flex pressure relief: 0 to 3 (only in S-Mode)
Humidification: Heated humidification fixed adaptive (standard 15 mm or 15 mm heated tubes)

Dream Station AVAPS/ G3 BIPAP:

- Humidification: Heated humidification
- Data storage capacity: SD card: 6 month, on-board 3 month capacity (minimum)
- Filters: reusable pollen
- Device controls: LCD, control dial/ push button

Electrical requirements: 100 – 240 VAC, 50/60 Hz.

Standard Accessories:

Breathing circuit with mask (S, M, L): Qty-03 each

SPO2 probe: Qty-01
Filter: Qty-05
Carrying bag: Qty-01

Note: A demonstration will be carried out during technical evaluation of quoted model at PAEC General Hospital Islamabad.

Firm must provide

- FDA K 510/ CE (MDD)/ MHLW (any one certification required)
- Sole distribution certificate must be provided.

WARRANTY /GUARANTEE

- Three-years warranty with free service and part after installation and 10 years part availability at component level.
  - Manual: Operator/User Manual and Service Manual

The firm has strong set up for back up support in Rawalpindi/ Islamabad.

Country of Origin: EU, USA, Japan, China, Turkey

Tender No. 29/2026 Oxygen Concentrator (Qty 02)

Used for enriching the oxygen content of breathing air for use in oxygen therapy.

OXYGEN OUTPUT:

- 99% (+/- 3%) up to 10 litre per minute (approx.)
- Operating characteristics: 50 dB (A) or less controls: Start / stop.
- Circuit breaker switch with flow meter
- Dosage record
- Non reset elapsed time meter.
- Safety system: Power failure alarms, over temperature of motor.
- Hours meter: maintenance alarm indicator
- Operating Voltages: AC 220V/ 50 Hz.

Accessory:

1. Additional Filter (Qty-10)
2. Humidifier Bottle (Qty-02)

Term & Condition

- Sole distributor certificate must be provided.
- FDA/ CE (MDD)/ MHLW approved (any one certificate required)

WARRANTY /GUARANTEE

- Three-years warranty with free service and part after installation and 10 years parts availability at component level.
- **Manual:** Two sets each of the following manual in English languages will be provided free of cost in original form.
  13) Operator/User Manual
  14) Service Manuals

Country of Origin: EU, USA, Japan, China, Korea, Taiwan, Turkey

The firm has strong set up for back up support in Rwp/ Islamabad.

Tender No. 30/2026 Portable Ultrasound Machine (Qty 01)

General Feature

- Clinical Purpose: Digital Color Doppler having 2D / M-Mode and Doppler Facilities, (PW, PRF, & Color Flow Imaging) with High Resolution Imaging Doppler Signal Quality; having DICOM Compatibility.

Technical Specifications

- Trolley Mounted Digital Color Doppler System capable to handle multi-frequency probes for multiple imaging studies

Application Packages:

- Abdomen, Cephalic, Gynecology/Obstetrics, Cardiology, Peripheral vascular, Small parts, Musculoskeletal, Transvaginal, Transrectal

Imaging modes:

- B Mode
- THI/PHI
- M Mode
- Anatomical M mode
- Color Flow Mode
- Power Doppler Imaging
- PW mode
- CW mode
- Tissue Doppler Imaging
- TDI+PW

Function and features:

- Tissue Harmonic imaging.
- Auto Image Optimization.
- Trapezoid Imaging / Widescan.
- Compound Imaging.
- Modes CFM M, PDI/DPDI, PW, CW, TDI, TDI+PW.
- 5 band adjustable frequency in B-mode (fundamental wave and harmonic wave).
- PW auto trace.
- Simultaneous Mode.
- Tissue Specific Index.
- Image Rotation.
- Screen Zoom.
- Auto IMT.
- B mode panoramic imaging.
- Speckle reduction software.
- User defined Biopsy line.
- Needle visualization.
- Control Panel Multiple defined-keys& Trackball.
- TGC: 8 segment sliders.
- 300 dB system dynamic range.
- Scan Helper.

B-MODE Specification:

- Viewing Depth: ≥40 cm.
- 2D cine storage time settings.

- Cine Review with adjustable speed.
- Adjustable Gain
- Focus Position

M-MODE SPECIFICATION:

- Sweep Speed: Min, Slow, Medium, Fast and Max.
- Up to 5 display formats.
- Color Display of M-Mode / CFM.

PULSE WAVE SPECIFICATION:

- Pulse-Wave Doppler measurable velocity range.
- Doppler auto-trace achievable in real time mode and frozen mode.
- PRF & HPRF.

CONTINUOUS-WAVE DOPPLER:

- Sweep Speed: Min, Slow, Medium, Fast and Max.
- Doppler auto-trace: achievable in real time mode and frozen mode
- Up to 4 display formats.
- CW sample position adjustable.
- Baseline and Velocity Range Control

CFM/ PDI / TDI MODE SPECIFICATIONS:

- Color Map.
- Dual Live.
- Adjustable Size and position of color ROI.
- PRF.
- Tissue speed Imaging and Power Doppler Imaging.

APPLICATION-SPECIFICMEASUREMENT PACKAGE:

- Obstetrics measurement package
- Small parts measurement package
- Gynecology measurement package
- Vascular measurement package
- Abdominal measurement package
- Cardiac measurement package
- Urology measurement package

Pediatric measurement package

System Complete with Following Facilities and Accessories:

- 21-Inches LCD / LED Color Monitor, with Resolution 1920 x 1080 Pixels or more
- Monitor upper arm can be swiveled right and left
- Monitor up and down movement.
- Minimum 3 Active Probe ports with 3 parking probes.
- Minimum 1TB Harder Disk Drive.
- DICOM Compatibility.
- 13" Touch Command Screen Control with resolution 1920 x 1080 or more
- Built-in Battery and UPS with 45 min running time.
- Ultrasound Thermal Printer: 01
- Paper roll : 10-Qty
- Gel: 2 bottle and 5 L Canister

Standard Probes:

- 1 – 7 MHz Multi-Frequency Convex Probe. **(Price must be quoted separately)**
- 4-16 MHz Multi-Frequency Linear Probe **(Price must be quoted separately)**

Term & Condition

- Sole distribution certificate must be provided.

- Certification: US FDA 510K/ CE/ MHLW (JIS) **(Any two certification must be provided)**

Note: A demonstration will be carried out during technical evaluation of quoted model at PAEC General Hospital Islamabad.

Warranty / Guarantee:

Three years warranty with free service and part after installation and 10 years part availability at component level.

Manual: Two sets each of the following manual in English languages will be provided free of cost in original form.

15) Operator/User Manual
16) Service Manuals consisting of
    - Working principal
    - Trouble shooting chart
    - Alignment /Adjustment
    - Fault finding / Calibration Software
    - All electrical /electronic/mechanical schematic circuit diagram
    - Part list at component level

The firm has strong set up for back up support in Rwp/ Islamabad.

Tender No. 31/2026 Central Nursing Monitoring System (16-32 Beds) (Qty 02)

MODULAR CARDIAC MONITOR WITH 07 PARAMETER WITH CMS

General Feature:

- Should be suitable for Neonatal, Pediatric and Adult
- Trend Data: 96 hours trend graphical and tabular.
- Monitor should be compatible with central monitoring system.

Operating Features and Characteristics:

- Non fade TFT color display
- Electro-surgical interference suppression/protection
- Defibrillator protection
- Freeze and cascade facility
- Waveform traces speed: 25 to 50 mm/sec
- Display Screen Size: min. 15" or more TFT/LCD Color Touch Screen.

PARAMETERS:

ECG:

- Numeric: heart rate
- Lead Type: 5 Lead and 3 Lead selectable (12 Lead **Optional)**
- ECG Hr Range: Adult, Pediatric, Neonate: 15-300 bpm
- 12 Lead Analysis should be with 10 Lead ECG. ST Segment analysis and reporting should be available

Non-Invasive Blood Pressure (NIBP):

- Method: Automatic Oscillometric
- Numeric: Systolic, diastolic and mean pressures
- Selectable auto inflate /inflate pressure adjustable 0 – 300 mmhg ± 5%.
- Rising cuff / continuous pressure display
- Measurement time 15 sec to 35 sec

Temperature:

- Numeric: Temperature selectable in °C / °F
- Channels: 2 channels & ΔT.

Pulse Oximetry:

- Numeric: 0-100% oxygen saturation measuring range.
- Waveform: plethysmograph pulse with pulse strength indication.
- Motion Tolerance Technology.

Arrhythmia Analysis:

- Arrhythmia analysis and ST analysis.
- Minimum 30 or more arrhythmia items.

Respiration:

- Mode: Auto/ Manual
- Breathe rate display and alarms.
- Sweep speed; 12.5 to 50 mm/sec.

ETCO2 MAIN/ SIDE STREAM FOR NON-INTUBATED PATIENTS:

- AIRWAY ADAPER (01 Packet) 25 pcs
- NASAL ADAPTRE (01 Packet) 25 pcs
- ETCO2 technology should be from the original/same manufacturer.

HL7 Connectivity to connect with HIMS system.

Alarms:

- High & low (settable) on all parameters
- Visual and audible indication of alarms.
- Apnea time 5-40s.

DUAL IBP (Optional must be quoted).

Standard Accessories

f) ECG Leads: 01 set (1 x 5 leads)
g) SPO2 probe: 03 set (1 x Adult, 1 x Pead and 1 x Neonate wrapping)
h) NIBP reusable cuff: Neonate/ Infant, Paeds and adult and Extra large Qty- (02 each size)
i) Temp Probe skin & Rctal Qty-01 each
j) Monitor stand with accessory basket from original manufacturer.

Mandatory to quoted (Optional)

c) EEG Monitoring Module must be quoted in offer.
d) Thermal Printer must be quoted.

Operating Requirements:

- AC 22ov/50Hz
- Built-in battery for at least 04 hour AC power failure at full parameter.

Central Monitoring System

- Should be able to connect with 16 - 32 Monitoring simultaneously.
- Trend should be 120 hours.
- Display should be minimum 42 inch touch screen (Medical Grade)
- Should have facility to connect wired and wireless with monitor.
- System should have capability to connect with PACS
- Large storage capacity for alarm events Audible and Visual Alarms.
- Alarm priority system.
- Latest laser printer compatible

All standard accessories should be from original/same manufacturer.

Note: All networking responsibility is supplier firm.

Note: A demonstration will be carried out during technical evaluation of quoted model PAEC General Hospital Islamabad.

Firm must provide

- FDA K 510 and CE (MDD)/ MHLW **(any two certification required)**
- Sole distribution certificate must be provided.

WARRANTY /GUARANTEE

- Three-years warranty with free service and part after installation and 10 years part availability at component level.

Manual: Two sets each of the following manual in English languages will be provided free of cost in original form.

17) Operator/User Manual
18) Service Manuals consisting of
    - Working principal
    - Trouble shooting chart
    - Alignment /Adjustment
    - Fault finding / Calibration Software
    - All electrical /electronic/mechanical schematic circuit diagram
    - Part list at component level

Firm must have local workshop in Rawalpindi/Islamabad and have at least 2 factory trained engineers.

Country of Origin: EU, USA, Japan, China, Korea, Turkey

Tender No. 32/2026 RO System with SS and UV Loop (Qty 01)

Double Pass Reverse Osmosis System
20 Dialysis Machine or Equivalent

- Stainless steel multi-stage feed pump CNP (brand new)
- Sand Filter FRP Vessel size: Ø16" x L-65", with multi-port valve
- Water softener FRP Vessel size: Ø16" x L-65" with multi-port valve.
- Anti-scaling dosing system, with 80 liters PE storage tank nature colored.
- Complete 1st R.O system with two membranes size: Ø8" x L-40" (Filmtec/ EZ) **USA** (1st Pass) including S.S high pressure multistage pump CNP (brand new) on S.S Skid.
- S.S Storage Tank (304) 14 Gauge (Capacity 1000 ltr) **(Price must be separately)**
- Complete 2nd Pass R.O system with one membrane size: Ø8" x L-40" (Filmtec/ EZ) **USA** (2nd Pass) including S.S high pressure multistage pump CNP (Brand New) on S.S Skid.
- Drain 1 ½ PVC will be responsibility of supplier firm.
- Electric panel to control & operate reverse osmosis system will be fully automatic
- Four flow meter to show water flow through R.O.
- Two TDS meter to show total dissolved solids.
- S.S storage tank (316) 14 gauge (Capacity 1500 ltr) **(Price must be separately)**
- Complete 06 UV system with two diafram pump on S.S skid
- Pressure system (FRP vessel size: Ø10" x 54" plus two pressures pump CNP brand new with S.S material) having 4.0 bar pressure.
- Complete piping RO system feed to final output including Argon Welding (S.S 38 mm, 25 mm) (S.S 316 L)
- Complete piping for dialysis machines including Argon Welding. (S.S 316L, 25 mm approx Length 450 ft, up to 35 points dialysis machines). **Measurement rate will be define each/ ft with installation** (**As per actual).**
- 3 phase supply will be provided by PGHI with breakers. (DB with under over voltage and with short circuit protection installation will be responsibility of supplier firm.
- Pressure gauge with pressure switch (Unit) should be installed with each pump and loop line.
- TDS & conductivity meter should be installed at input of RO and in control panel finally at product stage.
- 40 mm water line provision is responsible of PGHI from main tank to RO room.

- Water result
    a) TDS: less than 5 ppm
    b) PH: 5 – 7

c) Hardness: Nil

Note:

1) Old S.S Tank will be utilized for (1st) Pass RO system price must be separately quoted.
2) Old RO will be shifted from supplier firm.
3) S.S piping for 06 machines will be done from old S.S line.
4) Hep. B+ve S.S piping will be mange from old S.S line.
5) Heb B+ve RO will be shifted from supplier firm.

Terms & Condition.

- **Warranty 03 years**
- Three years consumable parts will be supplied free of cost Resin Bag, Filter. Membranes, antiscaling chemical.
- **Service contract for next five years with parts and without parts.**
- After expiry of warranty further 03 year Extended maintenance contract with spare part quotation is mandatory on following table.

1st year 2nd Year 3rd Year 4th Year 5th Year

- Firm will bound Two (02) visits monthly for the service/ maintenance of RO system in service contract period.

The firm has strong set up for back-up support in Rawalpindi/ Islamabad.

Tender No. 33/2026 Dialysis Chair (Qty 20)

Technical Specification:

Frame:

Heavy duty steel/ CRCA Frame anti-corrosion treated and epoxy/ powder coated.

General Feature:

- Back and leg and height section adjustable by independent electric motor.
- Mobile on 150 mm diameter casters, with two lockable casters.
- 3 -Section Chair, 4 Electric motors with hand remote control.
- Armrest adjustable/ removable swing away.
- **Trendelenburg by an independent electric motor.**
- Powder coated finish to mild steel parts.
- Upholstery high density medical grade foam with seamless, washable, fluid resistant.
- Brake: Central locking.
- Safety: Electrical overload, thermal protection and safe motor operation.
- Easy cleanable mesh platform with removable mattress.
- Adjustable foot rest.
- Adjustable pillow block can be used as lumber support also.
- High quality foam mattress with artificial leather cover.
- Most sliding parts of stainless steel material.
- Height adjustable with electric motor.
- Weight of chair: 70 - 80 kg.
- Patient load capacity: 190 ~ 210 kg.
- Battery backup: minimum 30 min
- IV Pole

Dimensions:

- Dimensions in seat position (L 110 x W 96 cm) (±5 cm).

- ❖ Size of upholstery overall: (L 200 x W 75 x H 7.5 cm) or more.
- ❖ Armrest Size minimum: (L 50 x W 15 cm).
- ❖ Seat Height: Adjustable. 600 to 800 mm (± 25 mm)
- ❖ Footrest Adjustment: 25 ~ 30 cm. (±5 cm)
- ❖ Backrest Adjusting Range: 70° (± 5°)
- ❖ Seat tilt Angle: 16° (± 2°)
- ❖ Leg rest Angle: 25°(± 3°)

Note: A demonstration will be carried out during technical evaluation of quoted model at PAEC General Hospital Islamabad.

- ❖ Minimum 2 Satisfactory Performance report for Quoted Dialysis Chair should be attached with tender, which should be verifiable.

Firm must provide

- ➢ FDA K 510/CE (MDD)/ MHLW (any one certification required)
- ➢ Sole distribution certificate must be provided.

WARRANTY /GUARANTEE

- ➢ Five-years warranty with free service and part after installation and 10 years part availability at component level.
- ➢ **Manual:** Two sets each of the following manual in English languages will be provided free of cost in original form.
  19) Operator/User Manual
  20) Service Manual

The firm has strong set up for back up support in Rawalpindi/ Islamabad.
COUNTRY OF ORIGIN: EU/ USA/ JAPAN/ CHINA/ TURKEY/ LOCAL MADE

Tender No. 34/2026 Ophthalmoscope (Qty 01)

General Feature:

- Double sealed against dust.
- True Tone LED/ Halogen illumination.
- Superior optics facilitates entry in to even very small diameter pupils.
- Polarizing filter practically eliminates corneal reflex and can be used on all apertures.
- 28 lenses from -20D to +40D.
- Independently selectable red free filter for use on all apertures provides increased contrast.
- 5 apertures, large, medium, small spot, graticule, slit.
- Cobalt blue filters to help detect corneal abrasions.
- Selectable apertures - micro spot, small spot, large spot, fixation star, slit, cobalt blue, red free on all apertures.

Standard Accessories:

- LED/ Halogen Ophthalmoscope Head
- Rechargeable battery handle with battery & USB Charger
- Additional battery
- Carrying case
- Spare Blubs: 02

Note: A demonstration will be carried out during technical evaluation of quoted model PAEC General Hospital Islamabad

Terms & Condition

- Sole distributor certificate must be provided.
- FDA K510/ CE MDD /JIS/ MHLW (Any one certifications)

WARRANTY / GUARANTEE

- Three-years warranty with free service and part after installation and 10 years part availability at component level
- **Manual**: Two sets each Operator/User Manual and Service Manual in English languages will be provided free of cost in original form

The firm has strong set up for back up support in Rwp/ Islamabad.
Country of Origin: USA, Japan, EU, Germany, China, Korea

Tender No. 39/2026 Urology Items (Qty 01)

Pneumatic/Ballistic Lithoclast

General Feature:
Machine should be able to assist the following procedure.

1. Percutaneous nephrolithotomy (PCNL or PNL)
2. Rigid Ureteroscopy

Technical Specification:

- Technology: Ballistic/ Pneumatic
- Dimensions (H x W X D): 130 x 280 x 365 mm
- Energy Output: Approx 85 mJ
- Operating Frequency: 1 to 12 Hz
- Air supply: 3.5 to 605 bar (3500 to 6500 hPa)
- Atmospheric pressure: 700 hPa to 1060 hPa
- Operating conditions: Temperature +10°C to +30°C
- Relative humidity: 30 to 75%
- Power supply: 100-240 VAC/ 50-60 Hz

Hand piece: Qty-01

- Reduced probe displacement
  - Less push-back
  - Greater fragmentation control
  - Optimum operator control and perfect ergonomics
- Easy reprocessing
  - No moisture-related hand piece failure
- Easy, fast and sterile probe change due to quick connection probe cap
- Extremely durable hand piece and probes in best material and manufacturing quality

Standard Accessories:

a) Pneumatic Hand piece: 01
b) Compressed Air Tubing: 01
c) Probe Cap: 01
d) Adjustment Interface: 01
e) Silicone Probe Guides: 12
f) Silicone Seals: 20
g) Transportation Case: 01

Electric Dual Foot Pedal: 01
Dual Foot switches with pulse/ continues and boost mode

Pneumatic Probe:

1. Pneumatic probe, Ø 0.8 mm, length 605 mm: 01
2. Pneumatic probe, Ø 1.0 mm, length 605 mm: 01
3. Pneumatic probe, Ø 1.6 mm, length 605 mm: 01
4. Pneumatic probe, Ø 2.0 mm, length 425 mm: 01

Air Compressor 220V: 01

Cart (Imported/ Local Made)

Note: A demonstration will be carried out during technical evaluation of quoted model at PAEC General Hospital Islamabad.

Term & Condition:

- Sole distributor certificate must be provided.
- FDA/ CE (MDD)/ MHLW approved (any one certificate required)

WARRANTY /GUARANTEE

- Three-years warranty with free service and part after installation and 10 years part availability at component level.
- **Manual:** Two sets each of the following manual in English languages will be provided free of cost in original form.
  - Operator/User Manual
  - Service Manuals

The firm has strong set up for back up support in Rwp / Islamabad.

Country of Origin: EU, USA, Japan, China, Turkey

Ultrathin Semi-Rigid Ureteroscope

Application:

Pediatric diagnostic as Ultrathin Semi-rigid Ureteroscope; Urinary Tract/ Ureteric Stone Management.

Technical Specification:

- Sheath: 6/7.5 fr
- Channel: 3.6 to 4 fr
- Working length 330 - 430 mm
- Direction of view: 5° degree /forward or better

Standard Accessories:

a) 3 fr grasping forceps – Qty-2
b) 2.5 fr Stone basket nitinol Qty-3
c) Without tip straight 1.9 fr 4 wire
d) Pressure Compensation Cap
e) Leakage tester
f) Cleaning Bruch
g) Path finders

Term & Condition

- Sole distributor certificate must be provided.
- FDA K510/ CE MDD/ MHLW (any one certificate required)

WARRANTY /GUARANTEE

- Three-years warranty with free service and part after installation and 10 years part availability at component level.
- **Manual:** Two sets each of the following manual in English languages will be provided free of cost in original form.
  1. Operator/User Manual
  2. Service Manuals

Country of Origin: EU, USA, JAPAN

Tender No. 40/2026 Ultrasonic Cleaner 30 Ltrs (Qty 01)

General Feature:

- Ultrasonic cleaner inbuilt type.
- Cleaning chamber constructed of 316Ti (A4).
- Heating thermostatically controlled.
- Display of time and temperature.
- Temperature Range 20-80°C.
- Timer up to 99 min.
- Tank Capacity 30-35 litter or more.

Accessory: System complete with basket, Lid, Stand S.S and other standard accessories: Pouch Sealer (Seal speed: 10 ± 0.5m/min, Sealing width: 12 mm, working temperature 60 - 220°C)

Note: If technical committee required demonstration of quoted model can be asked to supplier firms during technical evaluation.

Term & Condition

- Sole distributor certificate must be provided.
- FDA/ CE (MDD)/ MHLW approved.

WARRANTY /GUARANTEE

- Three-years warranty with free service and part after installation and 10 years parts availability at component level.

Manual: Two sets each of the following manual in English languages will be provided free of cost in original form.

1. Operator/User Manual
2. Service Manuals consisting of
   a) Working principal
   b) Trouble shooting chart
   c) Alignment /Adjustment
   d) Fault finding / Calibration Software
   e) All electrical /electronic/mechanical schematic circuit diagram
   f) Part list at component level

Country of Origin: EU, USA, Japan
The firm has strong set up for back up support in Rwp / Islamabad.

Tender No. 41/2026 Cholangiosocpy with processor, monitor & water pump (Qty 01)

Full HD Video Cholangioscope with Processor, Monitor & Irrigation Pump

Video Cholangiosocpe: Qty-01

- CMOS based Full HD Video Scope
- Ergonomic Design for ease of use
- Four direction control knob
- Four way angulations with excellent torque scope equipped with built in light source.

Technical Specification:

a) Resolution: 1920 x 1080 p
b) Insertion Dia Meter: 10 ~ 11 fr
c) Working length: 2100 ~ 2200 mm
d) Working channel dia: 3.5 ~ 4 fr
e) Maximum bending angle: 90° ~ 100°

Imaging Processor with Compatible Monitor: Qty-01

General Feature:

- ❖ Touch screen with minimum display 12 inch.
- ❖ Digital image processing with auto white balance
- ❖ Compatible cart-mounted
- ❖ Built in battery backup/ online UPS (continuous operating time approx. 3.5 hours)

Technical Specification:

a) Resolution: 1920 x 1080 p
b) Storage: Minimum 64 GB Card
c) Input/ Output: DVI, SDI, HDMI, VL-port, Endoscope Port
d) Power Supply: AC 100-240 V, 50/60 Hz

Endoscopic Irrigation Pump used with Flexible scope: Qty-01

General Feature:

Design: Compact and detachable pump head, easy to clean
Press and flush, automatically stop after 20 second to avoid water waste.
Warning for loose cover.

Specification:

Control rate: 09 level water flow control
Flow rate: Max. 450 ml/ min
Power supply: AC 100-240 V, 50/60 Hz

Standard Accessories will be provided:

a) Grasping/ Biopsy forceps Qty-02
b) Water tube of endoscopic irrigation: Qty-02
c) Water bottle: Qty-01
d) Foot switch: Qty-01

Note: A demonstration will be carried out during technical evaluation of quoted model at PAEC General Hospital Islamabad.

The prices of Video Cholangiosope should be quote separately.

Term & Condition:

- ➢ Sole distributor certificate must be provided.
- ➢ FDA/ CE (MDD)/ MHLW approved (any two certificate required)

WARRANTY /GUARANTEE

- ➢ Three-years warranty with free service and part after installation and 10 years part availability at component level.
- ➢ Service contract must be offer annually after warranty period.
- ➢ Technical training of end user and biomedical staff.
- ➢ Manual: Two sets each of the following manual in English languages will be provided free of cost in original form.
  - o Operator/User Manual
  - o Service Manuals

The firm has strong set up for back up support in Rwp / Islamabad.

Country of Origin: EU, USA, Japan, China, Turkey

Tender No. 42/2026 Portable Dental Unit (Qty 01)

- ➢ Indoor operation Multifunction's Mobile Dental Unit with Storage cabinet and instrument tray.

Technical Specification:

- ➢ Air Flow upto150 L/min
- ➢ Pressure: 0 – 6 Bar

- Wheels brake able in **foldable system/ Mobile**
- Built-in (Low Noise/ Noise free) Air Compressor and tank with same functions as the integrated dental chair.
- Lockable Wheels.
- Pressure device. Turbine /compressor
- Hand-piece Tube high Speed and Slow speed

Standard Accessories:

- Hand-piece 2 each **(high speed, Slow Speed)**
- 1 x three way syringe.
- 1 x motorizes Suction (Low noise)
- 1 x Suction bottle minimum 1000 ml
- 1 x scalar, Purify system, 2 x hand pieces with 10 number of Scalar tips.
- 1 x Foot switch
- 1 x Pressurized bottle.
- 1 x light curing unit

Warranty: 5 Years, Whole system Unit should be connected with central air line.

Certification CE MDD/FDA/MHLW (any one required)

Demonstration will be carried.

Imported

Tender No. 43/2026 Infusion Pump (Qty 12)

General Feature:-

- Different infusion Mode: Rate Mode, time mode, body weight mode, loading dose mode or better.
- Touch screen auto lock.
- Automatic control of infusion rate independent of venous or arterial pressure, solution container height, and solution viscosity
- Automatic switchover to keep vein open (KVO) rate of 5.0 ml/ hr (or previous rate, whichever is less)
- Portable operation from self contained rechargeable battery
- Light indicates main or battery operation.
- Drug library 500 types.
- Have battery backup not less than 5 hrs.

Technical Specification

1) Flow Sensor:

- Detection of no flow situation

Display:

- Numeric display, indicating flow rate and volume information. Run indicator, Volume Infused and KVO.

SET INFUSION RATE:

- 0.1 – 999 ml / hr.

Rate Range:

- 0.1-999 ml/hr in 1 ml increments

Volume Limit Selection:

- From 0.1 - 1000 ml.

- Accuracy with in +/- 2%

KVO Rate

- 5 ml/hr or set rate whichever is lower.

Alarms (Visual and Audible):

Activated by:

- Empty Container.
- Occlusion
- Low Battery
- Open door
- Air-in-line detector
- Internal malfunction

General aspects

- Non-dedicated, compatible to common disposable I/V sets available in local market.

Note: A demonstration will be carried out during technical evaluation of quoted model at PAEC General Hospital Islamabad.

- Quoted models should be available on Original Equipment Manufacturer official website to verify online. (Otherwise offer will be rejected)

Term & Condition

- Sole distributor certificate must be provided.
- FDA K 510/ CE (MDD)/ MHLW (any one certification required)
- Require install base 2 years minimum 05 satisfactory report (quoted model) from different institute Karachi.

WARRANTY /GUARANTEE

- Five-years warranty with free service and part after installation and 10 years parts availability at component level.
- **Manual:** Two sets each of the following manual in English languages will be provided free of cost in original form.
  21) Operator/User Manual
  22) Service Manual

Country of Origin: EU, USA, Japan, China, Turkey

The firm has strong set up for back up support in Rawalpindi/ Islamabad.

Tender No. 44/2026 Syringe Pump (Qty 12)

General Feature:-

- Should have automatic identify different size (5/ 10/ 20/ 30/ 50/ 60 ml)
- Should have minimum 6 infusion mode or more.
- Display should be more than 3 inch and LCD touch screen with screen lock function.
- Should capable to connect with central monitoring system.
- Should connect to HIS/ CIS via WLAN or LAN.
- Should be able to store 20 or more recent therapy to use for fast infusion.
- Should be able to change infusion rate during infusion without stopping.
- Should have selectable bolus modes (manual and automatic)
- Rate range: 0.1 – 1500 ml/h, with 0.01 ml/h increment.
- Total volume display: 0.1 – 9999.9 ml.
- Mechanical accuracy ±1%, accuracy including syringe ± 1%.
- KVO rate: 0.1 ml/h to 5 ml/h adjustable.

- ❖ Occlusion level: 225 – 975 mmHg alarm with audio and visual reminder.
- ❖ Calibration function, self-definition for all syringes compliant to the standard.
- ❖ **Alarms:** Nearly empty, infusion complete, Occlusion, No battery, Low battery, No AC power, No DC power, Plunger/ clutch disengage, Syringe disengaged, Reminder, Self-test error, invalid rate and the limited volume less than or equal to total volume.

Special Function:

- ❖ Repeat alarming: if there is still alarm after mute alarm sound, it will alarm again.
- ❖ 1000 record can be stored and reviewed.
- ❖ Battery can support up to 5 hour standard and should be able extend it to 20 hours (@ 10 ml/h infusion rate)

Note: A demonstration will be carried out during technical evaluation of quoted model at PAEC General Hospital Islamabad.

" Quoted models should be available on Original Equipment Manufacturer official website to verify online. (Otherwise offer will be rejected)

Firm must provide

- FDA K 510/ CE (MDD)/ MHLW (any one certification required)
- Sole distribution certificate must be provided.

WARRANTY /GUARANTEE

- ❖ Five-years warranty with free service and part after installation and 10 years part availability at component level.
- ❖ Manual: Two sets each of the following manual in English languages will be provided free of cost in original form.
  - ➢ Operator/User Manual
  - ➢ Service Manual

The firm has strong set up for back up support in Rawalpindi/ Islamabad.

Country of Origin: EU, USA, Japan, China, Turkey, Korea