

# Notice for Information Directorate General Health Services Khyber Pakhtunkhwa, Peshawar

**PROCUREMENT OF MEDICAL EQUIPMENT & OTHER ITEMS FOR HEALTH FACILITIES  
EXPANSION PLAN IN KHYBER PAKHTUNKHWA UNDER COVID-19 EMERGENCY (2020-21).**

1. In Pursuance to the declaration of Emergency vide notification NO.SOG/HD/1-102/COVID-19/2020, dated 22 March 2021 read with Khyber Pakhtunkhwa Epidemic Control and emergency Relief Act, 2020. The Directorate General of Health Services (DGHS), Ex-FATA Secretariat Warsak Road, Peshawar invites sealed bids from Manufacturers, Importers & authorized dealer of Machinery, Equipment through Single Single-Two Envelope procedure.
2. Bidders can obtain the Bid Solicitation Document along with Specifications from the Procurement Cell of the Directorate General Health Services Khyber Pakhtunkhwa Ex- FATA Secretariat Warsak Road Peshawar and electronically from the official website i.e. [www.healthkp.gov.pk](http://www.healthkp.gov.pk) & [www.dglskp.gov.pk](http://www.dglskp.gov.pk)
3. Interested Bidders must submit sealed bids to the Procurement Cell of the Directorate General Health Services (DGHS), Ex-FATA Secretariat Warsak Road on or before 2:00 hours, Monday, 5<sup>th</sup> April 2021, which will be opened on the same day at 2:30 Pm in the presence of the bidders or their representatives, who choose to attend the process.
4. All bidders are also required to submit the Technical quotations on viz-a-viz format along with relevant technical detail, Brochures /Catalogue, Certifications etc on below format.

S. No	Name of Equipment	Model & Country of Origin (Make)	Product Certifications (CE/USFDA/MHLW) one certificate is mandatory	Compliance with DGHS Specifications (Yes/No) Viz-a-viz format	F Available Quantity	Delivery* Time (in Days)
1						

5. The bidders are bound to provide complete information of the bidder along with its postal as well as valid email address and phone number/s.
6. The Procurement Committee itself or by any other committee or expert/s as the case may be will evaluate the technical proposal in the manner prescribed after bid opening, without referring to the Financial bid and shall reject any proposal which does not conform to the specifications mentioned in Bid Solicitation Documents.
7. The Financial Bids of only technically responsive bidder/s shall be opened.
8. The undersigned reserves the right to reject all the bids as per provisions contained in Rule 47 of KPPRA Rules 2014.

Director General Health Services  
Ex-FATA Secretariat Warsak Road,  
Khyber Pakhtunkhwa Peshawar.  
Tel No : 091-9210269

Our Faith, Corruption Free Pakistan. ہمارا ایمان، کرپشن فری پاکستان. INF(P) 1563/2021 "Take Special Care of Special Persons"

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## Terms & Conditions

1. The firm should be registered with Income Tax & Sales Tax Department (Registration Numbers should be clearly mentioned and valid documentary evidence).
2. The contract will be awarded to firms having technical compliance with the specifications, delivery time and lowest price. The department reserves the right based on need on COVID-19 to decide on the basis of delivery time &/or Lowest quoted price as the case may be after compliance with specification.
3. Submission of false statement / documents as well as concealing of any information is liable to disqualify the respective firm/s.
4. The Procuring Entity reserves the right to accept or reject all or any of the tenders as laid down in bid solicitation documents.
5. Firm shall submit an affidavit on Stamp Paper that the Firm/Company has never been blacklisted by any Government Ministry/Division/Department.
6. Incomplete, conditional and bid/s received after due date and time shall not be entertained.
7. Bidders shall provide mandatory warranty for three years with parts and services, and after mandatory warranty two years services without parts.
8. Bidders shall clearly mention in quotation the country of origin, model, and product certifications like CE, JIS, USFDA etc. and ISO's. These mentioned documents shall preferably be submitted with the proposal, if any.
9. There is possibility of variation (increase/decrease) in quantity mentioned due to unforeseen situation in Emergency and Donors Commitments based on recommendations of Public health of this directorate.
10. The Unit price quoted by the bidder shall be in Pakistani Rupees: inclusive of all duties, taxes & levies as per law.
11. The successful bidder/s shall be bound to submit 10% performance security before signing the contract. Non provision of the same shall lead to disqualification of the successful bidder and the purchasing agency shall have the full authority to award contract to the next highest bidder.
12. Based on the required number of equipment, multiple contracts can be awarded to fulfill the need of COVID-19.
13. The sole Agent/Authorized dealer shall have to provide a valid proof of being authorized dealer of the principal manufacturer and/ or submit affidavit for providing services as per agreement.
14. In case of failure to comply with contract provision &/or Supply order, the firm shall be processed for blacklisting.
15. Lowest Evaluated Responsive Bid shall be the Selection Criteria for this emergency Procurement shall be;
  - a. Registration of firm with Income Tax & Sales Tax Department
  - b. Compliance with the specification
  - c. Mandatory warranty provision
  - d. Compliance with certification Provision
  - e. Delivery Timeline as this is Emergency Procurement to Cope with COVID-19 Emergency
  - f. Lowest Quoted Rates.

16. Submit your quotation on the below format

**Technical Bid Quotation Form:**

S.No	Name of Equipment	Model & Country of Origin (Make)	Product Certifications and ISO	Compliance with DGHS Specifications (Yes/No)	Available Quantity	Delivery Time (in Days)
1						

**Financial Quotation:**

S.No	Name of Equipment	Model & Country of Origin (Make)	Product Certifications and ISO	Compliance with DGHS Specifications (Yes/No)	Available Quantity	Delivery Time (in Days)	Price in (Rs) (inclusive applicable taxes)
1							

## Specification & proposed Quantity

<p>1</p>	<p>Electric Cardiac Bed/ICU Bed</p> <p>Quantity = 75</p>	<p><b><u>Motorized, battery operated Cardiac /ICU bed bed with remote controller</u></b></p> <ul style="list-style-type: none"> <li>• The Bed must facilitate a metal constructed, mattress surface covered with 4-section abs Materials, ABS covered sub-frame.</li> <li>• The Sub-frame under the mattress surface must be covered with steel Material.</li> <li>• The Bed must have fold- Away ABS side rails on both sides of the bed, controlled separately</li> <li>• The bed facilitate a hand control panel which must have adjustments of the following functions             <ul style="list-style-type: none"> <li>a) Backrest up-down</li> <li>b) Footrest up-down</li> <li>c) Bed height up-down</li> </ul> </li> <li>• The bed must have electrical Trendelenburg and reverse Trendelenburg adjustment. Between <math>\pm 12^{\circ}</math> by means of hand control unit.</li> <li>• Fowler, vascular, cardiac chair position and auto-contour positions by hand control unit.</li> <li>• The backrest section of the bed must be able to be adjusted between 0-70<sup>0</sup></li> <li>• The bed must be equipped with auto-regression system at back rest.             <ul style="list-style-type: none"> <li>○ The footrest section must be able to be adjusted between 0-35<sup>0</sup> or better.</li> </ul> </li> <li>• Central brake system or lockable castors.</li> <li>• The bed must facilitate 4 IV pole sockets and head and footboards sockets made a plastic, located under the head and footboards.</li> <li>• The bed must facilitate 4 protective bumpers on external corners to prevent damage on the contact area during bed movements and transfer.</li> <li>• The bed must work on 220V/ 50 Hz have rechargeable battery backup for movement control.</li> <li>• There must be urine bag hangers on both sides of the bed.</li> <li>• Gradually adjustable footrest.</li> <li>• 5 inch dia casters two of them must be lockable diagonally.</li> <li>• The metal parts of the bed must bed epoxy powder quoted.</li> <li>• The bed must have a safe load bearing capacity of 230 Kg or more.</li> <li>• The bed's height must be able to be adjusted between 40cm and 70cm. or better</li> <li>• Overall width 85 cm or more.</li> <li>• Overall length 195cm or more.</li> <li>• Side Railing/ side guard</li> <li>• The bed should have facility to take X-Ray of the patient over the bed (cassette holder).</li> </ul>
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02	ICU Ventilator  Quantity: 50	<ul style="list-style-type: none"> <li>• Tidal volume 50-2000ml better on either side.</li> <li>• Pressure up to 80 cm H2O</li> <li>• Volume up to 120 L/min</li> <li>• Respiratory rate: up to 60 breaths per minute.</li> <li>• SIMV Respiratory Rate: up to 40 breaths per minute.</li> <li>• CPAP/PEEP up to 20 cm H2O.</li> <li>• Pressure support up to 45 cm H2O.</li> <li>• FiO2 between 21 to 100 %</li> <li>• Inspiratory and expiratory times up to at least 2 sec and 8 sec respectively</li> <li>• I:E Ratio at least from 1:1 to 1:3.</li> <li>• <b>Modes of ventilation:</b> <ul style="list-style-type: none"> <li>a) <b>Volume controlled.</b></li> <li>b) <b>Pressure controlled.</b></li> <li>c) <b>Pressure support.</b></li> <li>d) <b>Synchronized intermittent mandatory ventilation (SIMV) with pressure support.</b></li> <li>e) <b>Assist / control mode</b></li> <li>f) <b>CPAP/PEEP</b></li> <li>g) <b>PSV</b></li> <li>h) <b>SPONT</b></li> <li>i) <b>MMV</b></li> <li>j) <b>SIGH</b></li> </ul> </li> <li>• Alarms required: FiO2, minute volume, pressure, PEEP, apnea, occlusion, high respiration rate, disconnection</li> <li>• Display size :min 10 inch Lcd/Led</li> <li>• System alarms required: power failure, gas disconnection, low battery, vent inoperative, self-diagnostics</li> <li>• If alarm silencing feature is incorporated, it must be temporary and clearly displayed when activated</li> <li>• Air and externally supplied oxygen mixture ratios fully controllable</li> <li>• Inlet gas supply (O2) pressure range at least 35 to 65 psi</li> <li>• Medical air compressor integrated to unit/Turbine with inlet filter</li> <li>• With Humidifier</li> </ul>
03	BIPAP  Quantity:150	<ul style="list-style-type: none"> <li>• Device should have CPAP, BILEVEL S, BILEVEL T, BILEVEL ST modes.</li> <li>• Device should have three different user menus – an Information menu, a patient menu for adjusting the comfort functions and a clinical menu for the optimal customization of all the therapy parameters.</li> <li>• Once the patient stops breathing the device should automatically switches into the T-mode and provides respiration for the patient in the prescribed safety frequency.</li> <li>• The extreme low respiration resistance, the high-powerreserves, and the automatic compensation for leakages.</li> <li>• The device should have start-stop-automatic, soft start ramp, leakage test, leakage alarm, power failure alarm, automatic turbine starts after power failure, date, time, and wake-up function.</li> <li>• High maximum pressure 25 hPa.</li> </ul>

		<ul style="list-style-type: none"> <li>• Average noise level should be less than 26 dB.</li> <li>• Advanced data management with SD card.</li> <li>• Simple handling.</li> <li>• Easy to replace filter.</li> </ul>
04	CPAP Quantity:150	<ul style="list-style-type: none"> <li>• The Device should have 3 levels separately for in- and expiration.</li> <li>• The Device should provide a continuous positive pressure. In addition, CPAP mode provides an individual respiration flow proportionable pressure adjustment during the inspiration and the pressure drop during the expiration.</li> <li>• The device should have start-stop-automatic, softstart ramp, leakage test, mask calibration, flex pressure adjustment, power failure alarm, automatic turbine start after power failure, date, time, mask alarm and wake-up functions.</li> <li>• Pressure Range: 4 – 20 hPa (mbar).</li> <li>• Average noise level should be less than 30 dB.</li> <li>• Advanced data management with SD card.</li> <li>• Should have stand-by time, turbine running time, therapy time, filter age counters.</li> <li>• Battery operation should be possible.</li> <li>• Simple handling.</li> <li>• Easy to replace filter.</li> </ul>
05	Cardiac monitor/Patient Monitor Quantity:150	<p><b><u>Multi Parameter Patient Monitor</u></b> <b>(ECG, SpO2, NIBP, TEMP, HR/PR)</b> Display for easy Viewing 10” or better color TFT/LCD/ LED for easy set.</p> <p>PERFORMANCE</p> <ul style="list-style-type: none"> <li>• Heart rate</li> <li>• SPO2</li> <li>• Temperature</li> <li>• NIBP</li> <li>• Display: 10” or better</li> </ul> <p><b>Alarm:</b></p> <ul style="list-style-type: none"> <li>• Alarm: All parameters on/off selective independently</li> <li>• Power input 220Vac,50Hz</li> <li>• With Battery Backup</li> </ul> <p>ACCESSORIES</p> <ul style="list-style-type: none"> <li>• All standard accessories</li> </ul>
06	Blood Gas Analyzer Quantity:5	<ul style="list-style-type: none"> <li>• Portable Blood Gas analyzer</li> <li>• Sample Volume: 125uL or better</li> <li>• Sample Type: Whole Blood, Plasma or Serum</li> <li>• Measured Parameters: pH, pO2, pCO2, Na, Cl, K,Ca, Hct.</li> <li>• Analysis Time: upto 2min/Sample</li> <li>• Up to 5000 patient data storage.</li> <li>• With Battery Backup</li> <li>• Should be supplied with 200 Tests each parameter</li> </ul>

07	Portable Ultrasound  Quantity:5	<ul style="list-style-type: none"> <li>• High performance ultrasound scanner</li> <li>• System integrates scanner, 2 probes, matching trolley, and video-printer</li> <li>• Compact and lightweight, easy to transport and position</li> <li>• Alphanumeric keyboard with trackball and time gain control (TCG)</li> <li>• Piezoelectric probes, electronically scanned: convex and linear</li> <li>• Imaging display modes: B, dual B, M, B and M</li> <li>• Adjustable field-of-view 6 level zoom</li> <li>• Imaging technologies: dynamic frequency imaging, multi-stage focusing, aperture control</li> <li>• Depth range selection: convex sector image and linear image, 3 steps</li> <li>• Image orientation: lateral and vertical inversion (in B mode)</li> <li>• Freeze function with storage of approx. 25 images</li> <li>• Measurements and analysis</li> <li>• Calibre control: trackball</li> <li>• B-mode image: distance, area and circumference by ellipse and trace method, volume, ratio, gestational age, foetal weight, angle</li> <li>• Gestational table: user programmable</li> <li>• M-mode: velocity, time interval, depth, heart rate, LV function</li> <li>• Alpha-numeric&amp; graphics:</li> <li>• Text annotations and body markers</li> <li>• Automatic display of date and time, focal point setting, image orientation indicator, image scrolled position, distance scale mark, M-mode time mark, grey scale for calibration</li> <li>• High resolution B/W monitor, approx. 25 cm diagonal (across), equals to 10 inch, fit with reflection filter</li> <li>• Image grey scale: 256 levels</li> <li>• Two transducer ports leave 2 probes permanently available, electronic switch between probes</li> <li>• Data communication interface: RS232, BNC, IEEE, USB or equivalent</li> <li>• Power supply: 220 V / 50 Hz</li> <li>• Convex Abdominal Probe, Frequency range: 2.5/3.5/5.0 MHz</li> <li>• Linear Probe, Frequency range: 5.0 to 10.0 MHz</li> </ul>
08	Defibrillator  Quantity:5	<ul style="list-style-type: none"> <li>• Semi-automatic 200 joules or better biphasic defibrillator with monitor and AED mode.</li> <li>• Synchronized output with ECG.</li> <li>• Control of energy charging/ delivering on main panel and paddle.</li> <li>• The energy range should be adjustable for Peads and adults up to 200Joules.</li> <li>• Charging Time for full energy will be less than 08 sec.</li> <li>• Screen Size of approx. 6 inch or better colored.</li> <li>• Display of Heart Rate: 30 to 300 bpm</li> <li>• ECG through Pads / paddles and 3 Lead ECG patient cable with arrhythmia detection</li> <li>• Built in recorder for printing of full summery on standard paper including waveforms, Frozen Waveforms, Event Summary, Tabular Trends, User test, and Configuration.</li> <li>• Alarms for High and low Heart rate, low battery warning.</li> <li>• AC 220V / 50 Hz operated.</li> </ul>

		<ul style="list-style-type: none"> <li>• Built-in Rechargeable battery with charger</li> <li>• Auto tester/self-check.</li> <li>• External pediatric and adults Paddles, ECG cable with reusable electrodes for adult &amp; Peads.</li> <li>• AED facility.</li> <li>• AED pads</li> <li>• Pacing facility</li> </ul>
09	ECG Machine 3 channels Quantity:10	<ul style="list-style-type: none"> <li>• 03 channels ECG Machine</li> <li>• Should be portable and lightweight</li> <li>• ADC:12bits, resolution:1uV/LSB</li> <li>• Voltage 220 volts, 50hz</li> <li>• Display 3” or more</li> <li>• Simultaneous 12 leads acquisition</li> <li>• Must have continuous display of patient heart and rate</li> <li>• Must have integrated pediatric analysis.</li> <li>• Support the 12-lead ECG analysis program for complete ECG Analysis reports with measurement data table should be provided.</li> <li>• Must be able to indicate at least four critical values that require immediate clinical attention.</li> <li>• Printer: High Resolution and in-built thermal array printer.</li> <li>• Battery Capacity: Must be 4 hours without printing.</li> <li>• Internal memory for storage of patient ECG record.</li> <li>• Complete with Patient Cable.</li> <li>• Reusable Electrodes Set.</li> </ul>
10	Nebulizer Quantity:100	<ul style="list-style-type: none"> <li>• Maximum compressor pressure 2.5-3.0 bar</li> <li>• Nebulization rate 0.3 ml / min</li> <li>• Nebulizer cup capacity 6ml</li> <li>• Particle size(mmad) 0.5m to 5m</li> <li>• Noise level 55 db</li> <li>• Electrical requirement 220v/ 50Hz</li> <li>• Operation cycles operation for 20min &amp; off for 40min</li> <li>• Nebulizer assembly with all Accessories</li> </ul>
11	Suction machine Heavy Duty/ Electric suction Machine Quantity:150	<ul style="list-style-type: none"> <li>• Mobile suction pump Oil-Less along with 4 anti- static wheels with lock.</li> <li>• Convenient for operation, with following performance features:</li> <li>• Built-in Vacuum gauge with a range from: 0-650 mm Hg or better adjustable.</li> <li>• Flow capacity: Not less than 45 l/min or better</li> <li>• Explosion proof footswitch.</li> <li>• Capacity of two graduated suction bottle: 2500cceach or better (Autoclavable)</li> <li>• Heat resistant and disinfect able rubber tube for suction.</li> <li>• Over flow safety device.</li> <li>• Power requirement: 220V, 50Hz.</li> <li>• Complete with suction nozzle and other standard accessories</li> </ul>

12	Oxygen Concentrator  Quantity:52	<p>Micro Processor controlled.</p> <ul style="list-style-type: none"> <li>• Oxygen Flow Range: 10 litter per Minute or better (Adjustable)</li> <li>• With filter.</li> <li>• Alarm at very low oxygen level.</li> <li>• Audio visual alarm for: Power loss, Low pressure, air leak, hardware failure, Mechanical Failure, Overheating and High Pressure.</li> <li>• Oxygen Percentage level: 93%±3% or better</li> <li>• With Humidifier</li> <li>• With Reusable mask Sizes: 0,1,2,3,4,5</li> <li>• With Connecting Pipe</li> <li>• Mobile on 04 Castors</li> </ul>
13	PAPR Quantity :50	<ul style="list-style-type: none"> <li>• Airflow 170L/min.230L/min or better</li> <li>• Run Time 8 Hours</li> <li>• Motor Brushless</li> <li>• Alarms</li> <li>• Noise 73dB or better</li> <li>• Battery Type Lithium Ion Polymer</li> </ul>
14	Humidifier Quantity: 23	<ul style="list-style-type: none"> <li>• Microprocessor controlled.</li> <li>• Temperature range: 28 deg C to 38 deg C</li> <li>• Relative humidity at the feeding hose outlet 3 modes.</li> <li>• Range of breathing mixture flow from 2 to 50 Lit /Minute or better</li> </ul>