

Notice for Information

Directorate General Health Services
Khyber Pakhtunkhwa, Peshawar

PROCUREMENT OF EQUIPMENT FOR HEALTH FACILITIES EXPANSION PLAN IN KHYBER PAKHTUNKHWA UNDER COVID-19 EMERGENCY (2020).

1. In Pursuance to the declaration of Emergency vide notification NO.SO (Esst) RR&SD/3-5/2019 under National Disaster Management Act of Khyber Pakhtunkhwa due to emerging cases of Corona Virus (COVID-19) and in light of decision of special meeting of the Cabinet on 13-03-2020, exemption has been granted under section 14(1) of KPPRA Act, 2012 in respect of procurements related to COVID-19 for government departments/ public bodies /agencies.
2. 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 Stage-One Envelope procedure.
3. Bidders can obtain the Bid Solicitation Document 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 & www.dghskp.gov.pk
4. 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 3:00 hours, Friday, 26th June 2020, which will be opened on the same day at 03:30 PM in the presence of the bidders or their representatives, who choose to attend the process.
5. All bidders are also required to submit the quotations along with relevant technical detail, Brouchers /Catalogue, Certifications etc.
6. 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.
7. 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.

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

INF(P) 2199/20



Daily Mashriq

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. Later the Contract will be signed accordingly.
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 unforeseen situation in Emergency, Funds 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. Submit your quotation on the below format

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)	Price in (Rs) (inclusive applicable taxes)
1							

1	<p>Electric Cardiac Bed/ICU Bed</p> <p>Quantity: 700</p>	<p><u>Motorized, battery operated Cardiac /ICU bed bed with remote controller</u></p> <ul style="list-style-type: none"> • The Bed must facilitate a metal constructed, mattress surface covered with 4-section abs Materials, ABS covered sub-frame. • The Sub-frame under the mattress surface must be covered with steel Material. • The Bed must have fold- Away ABS side rails on both sides of the bed, controlled separately • The bed facilitate a hand control panel which must have adjustments of the following functions <ul style="list-style-type: none"> a) Backrest up-down b) Footrest up-down c) Bed height up-down • The bed must have electrical Trendelenburg and reverse Trendelenburg adjustment. <ul style="list-style-type: none"> Between $\pm 12^0$ by means of hand control unit. • Fowler, vascular, cardiac chair position and auto-contour positions by hand control unit. • The backrest section of the bed must be able to be adjusted between 0-70⁰ • The bed must be equipped with auto-regression system at back rest. <ul style="list-style-type: none"> ○ The footrest section must be able to be adjusted between 0-35⁰ or better. • Central brake system or lockable castors. • The bed must facilitate 4 IV pole sockets and head and footboards sockets made a plastic, located under the head and footboards. • The bed must facilitate 4 protective bumpers on external corners to prevent damage on the contact area during bed movements and transfer. • The bed must work on 220V/ 50 Hz have rechargeable battery backup for movement control. • There must be urine bag hangers on both sides of the bed. • Gradually adjustable footrest. • 5 inch dia casters two of them must be lockable diagonally. • The metal parts of the bed must bed epoxy powder quoted. • The bed must have a safe load bearing capacity of 230 Kg or more. • The bed's height must be able to be adjusted between 40cm and 70cm. or better • Overall width 85 cm or more. • Overall length 195cm or more. • Side Railing/ side guard • The bed should have facility to take X-Ray of the patient over the bed (cassette holder).
02	<p>Ventilator</p> <p>Quantity: 160</p>	<ul style="list-style-type: none"> • Tidal volume up to 1,000 mL. • Pressure (inspiratory) up to 80 cm H2O • Volume (inspiratory) up to 120 L/min • Respiratory rate: up to 60 breaths per minute.

		<ul style="list-style-type: none"> • SIMV Respiratory Rate: up to 40 breaths per minute. • CPAP/PEEP up to 20 cm H2O. • Pressure support up to 45 cm H2O. • FiO2 between 21 to 100 % • Inspiratory and expiratory times up to at least 2 sec and 8 sec respectively • I:E Ratio at least from 1:1 to 1:3. • Modes of ventilation: <ul style="list-style-type: none"> a) Volume controlled. b) Pressure controlled. c) Pressure support. d) Synchronized intermittent mandatory ventilation (SIMV) with pressure support. e) Assist / control mode f) CPAP/PEEP • Alarms required: FiO2, minute volume, pressure, PEEP, apnoea, occlusion, high respiration rate, disconnection • System alarms required: power failure, gas disconnection, low battery, vent inoperative, self-diagnostics • If alarm silencing feature is incorporated, it must be temporary and clearly displayed when activated • Air and externally supplied oxygen mixture ratios fully controllable • Inlet gas supply (O2) pressure range at least 35 to 65 psi • Medical air compressor integral to unit/Turbine with inlet filter
03	BIPAP Quantity :450	<ul style="list-style-type: none"> • Device should have CPAP, BILEVEL S, BILEVEL T, BILEVEL ST modes. • 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. • 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. • The extreme low respiration resistance, the high-powerreserves, and the automatic compensation for leakages. • 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. • High maximum pressure 25 hPa. • Average noise level should be less than 26 dB. • Advanced data management with SD card. • Simple handling. • Easy to replace filter.
04	CPAP Quantity :450	<ul style="list-style-type: none"> • The Device should have 3 levels separately for in- and expiration. • 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

		<p>expiration.</p> <ul style="list-style-type: none"> • 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. • Pressure Range: 4 – 20 hPa (mbar). • Average noise level should be less than 30 dB. • Advanced data management with SD card. • Should have stand-by time, turbine running time, therapy time, filter age counters. • Battery operation should be possible. • Simple handling. • Easy to replace filter.
05	<p>Cardiac monitor/Patient Monitor</p> <p>Quantity: 700</p>	<p><u>Multi Parameter Patient Monitor</u> (ECG, SpO2, NIBP, TEMP, HR/PR) Display for easy Viewing 10” or better color TFT/LCD/ LED for easy set. PERFORMANCE</p> <ul style="list-style-type: none"> • Heart rate • SPO2 • Temperature • NIBP • Display: 10” or better <p>Alarm:</p> <ul style="list-style-type: none"> • Alarm: All parameters on/off selective independently • Power input 220Vac,50Hz • With Battery Backup <p>ACCESSORIES</p> <ul style="list-style-type: none"> • All standard accessories
06	<p>Infusion Pump</p> <p>Quantity :2500</p>	<ul style="list-style-type: none"> • Peristaltic infusion pump with visible handle. • Power requirements: AC: 100-240V; 50Hz • Delivery / Flow rate: 0.1-999.9ml/h • Volume range 1-9999ml • Occlusion Limit low, Normal, High • Facility with keep vein open Rate • Volume infused display and Dynamic cannula pressure displayed on screen • Full alarm system. • Air in line detection. • Occlusion detection capability. • Vertical stand mobile type • Built-in battery backup: 2 hours or better • With local stand • Water-Proof Grade: IP34 or Equivalent

07	Blood Gas Analyzer Quantity:26	<ul style="list-style-type: none"> • Portable Blood Gas analyzer • Sample Volume: 125uL or better • Sample Type: Whole Blood, Plasma or Serum • Measured Parameters: pH, pO₂, pCO₂, Na, Cl, K, Ca, Hct. • Analysis Time: upto 2min/Sample • Up to 5000 patient data storage. • With Battery Backup • Should be supplied with 200 Tests each parameter
08	Dialysis Machine Quantity: 42	<ul style="list-style-type: none"> • Color TFT Monitor 10 inch or above • Computerized programmable with graphic screen • Electronic control of flow rate and blood flow. • Both Bicarbonate and Acetate mode of dialysis application • Automatic control for various set bicarbonate proportions. • Variable Sodium control concentration system. • With Sodium and Ultra filtration Profiles • With bicarbonate Profiles • Variables temperature control • Programmable Ultra filtration control system. • Ultra filtration with diffusion • With Ultra filtration rate control – fully adjustable / controllable and visible on the screen • Balance Ultra filtration control system. • Anticoagulant Management System with bolus option intact program system. • Automatic priming system with full display system • Automatic clean and rinsing mechanism. • Display for services diagnostic and rinsing mechanism • With automatic thermal disinfection mechanism (up to or 80°C or above) • Blood pump with variable blood flow rate which should be highlighted on the machine • With automatic heparin pump 0 to 10cc per hour or better on upper side. • Variable/Adjustable dialysate flow rate (300-700ml per min or better on either side) • With adjustable temperature control system up to 39°C • With venous pressure monitor “-52 to 400mm Hg or better on either side. • With Arterial pressure monitor “-300mm Hg to +400mm Hg or better on either side • With Air bubble detector and Alarm system. • Blood leak Detector. • With conductivity control system-both for Acetate and bicarbonate solution • Blood pump capability for both adult and paed. • Real time graphical / display for dialysis treatment /Does delivery (KT/V) • Real time should show dialysate pressure, temperature and flow.

		<ul style="list-style-type: none"> • With Endotoxin Filter • With battery backup service : 30 minutes or better • With inbuilt BPM system Input power 220VAC, 50Hz <p>R.O water purification plant</p> <ul style="list-style-type: none"> • Compatible RO Water Purification System to operate at least two (02) Dialysis Machines • Input power 220VAC, 50Hz, single phase
09	<p>Mobile X-Ray plant 300 mA/125KV</p> <p>Quantity:32</p>	<p>Mobile X-ray machine for general purpose radiography</p> <p>X-Ray Generator KV Range:</p> <ul style="list-style-type: none"> • 40kv to 125 kV in 01 kV Steps. • mA Range: Max. 300mA or better • mAs range: 1 mAs to 300mAs or better • KW: 25KW or better • Anatomical programs for radiography (APR). <p>X-Ray Tube Unit</p> <ul style="list-style-type: none"> • Rotating anode: Double focus / single Focus • Size: 1.0x1.0 & 2.0x2.0 mm or better on either side • Anode heat storage capacity: 100 KHU or better <p>X-Ray Beam Limiting Device Projector Lamp: Halogen/LED</p> <ul style="list-style-type: none"> • Filtration: 1.2mm Aluminum or better. • Colum adjustment facility available Collimator rotation available • Big wheel for easy movement Brakes for control of movement • Input voltage 100-220VAC, 50Hz • Cassette Box: For Storage of at least 3 Cassettes • 2 No's lead Apron thickness 0.5mm
10	<p>DR system for x-ray machine</p>	<p>Plate panel detector with acquisition software and dry film printer Flat panel detector (model and make must be mentioned)</p> <ul style="list-style-type: none"> • The Flat panel Detector should be wireless. • Pixel size of 150 Microns or better. • The size (active area) of the Flat panel Detector should be at least 14 x 17 inch • Images pre-viewing should be available in about less than 6 secs after exposure and the cycle time should be less than 10 seconds. • Should have a minimum image depth of 12 bit or better • Matrix size 3000 x 2500 or better. • KV rang 40 ~ 150kVp • The flat panel detector should be able to Rotate/Tilt for various applications. • The flat panel Detector should be fixed in the vertical Bucky Stand Should be in position to handle Vertical Chest X Ray, Horizontal Abdominal X Rays applications. • AED Mode should be present • A to D conversion: 14 bits or more.

		<ul style="list-style-type: none"> • Easy positioning at the time of out of bucky exposures. • The detector should be able to work at normal room temperature and humidity. • The detector system should not require frequent calibrations on daily start-up • Offered detector should have load bearing capacity of 160kgs or more. <p>Backup time Battery</p> <ul style="list-style-type: none"> • Life of the battery 120 images @ 90 s cycle • Recharging time less than 3 hours • One extra Lithium Battery with the detector should be provide <p><u>IMAGE ACQUISITION IMAGE PROCESSING</u></p> <ul style="list-style-type: none"> • PC based computerized IMAGE ACQUISITION IMAGE PROCESSING with software • 19-inch medical grade TFT monitor with high resolution 1280x1024 or better Brightness: 300 Cd/m2 or better Contrast Ratio: 2000:1 or better With Brightness stabilization • The software have capability to support 2 detectors or more • Image saving in CD/DVD and DICOM format should be possible. • Multi core processor (core i7, 3.4Hz) bit processing 64 Bits, Cache 8MB, special graphic card for medical grade monitor installed in CPU. RAM not less than 4GB and Should have image storage disk of at least 1TB internally • The system should have ready DICOM interface and networking capability with PACS. • Post processing function must be available. Measurement Tools, Window Level, Rotate, Repeat / Reject, Magnify, Zoom , Images elaboration with examination specific algorithms • Filming options should be available • Power Supply – 220V, 50Hz. • Dry film printer with at least 3 online film tray, for printing the digital images (Model and brand must be mentioned) • With Compatible UPS for at least 30 min backup.
11	Automatic Film Processor	<ul style="list-style-type: none"> • 60 films per Hour or more • Minimum Film Size: 4 x 4 inch • Maximum Film Size: 14 x 17 inch • Electrical Requirements: 220VAC, 50 Hz

12	Portable Ultrasound Quantity: 42	<ul style="list-style-type: none"> • High performance ultrasound scanner • System integrates scanner, 2 probes, matching trolley, and video-printer • Compact and lightweight, easy to transport and position • Alphanumeric keyboard with trackball and time gain control (TCG) • Piezoelectric probes, electronically scanned: convex and linear • Imaging display modes: B, dual B, M, B and M • Adjustable field-of-view 6 level zoom • Imaging technologies: dynamic frequency imaging, multi-stage focusing, aperture control • Depth range selection: convex sector image and linear image, 3 steps • Image orientation: lateral and vertical inversion (in B mode) • Freeze function with storage of approx. 25 images • Measurements and analysis • Calibre control: trackball • B-mode image: distance, area and circumference by ellipse and trace method, volume, ratio, gestational age, foetal weight, angle • Gestational table: user programmable • M-mode: velocity, time interval, depth, heart rate, LV function • Alpha-numeric & graphics: • Text annotations and body markers • 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 • High resolution B/W monitor, approx. 25 cm diagonal (across), equals to 10 inch, fit with reflection filter • Image grey scale: 256 levels • Two transducer ports leave 2 probes permanently available, electronic switch between probes • Data communication interface: RS232, BNC, IEEE, USB or equivalent • Power supply: 220 V / 50 Hz • Convex Abdominal Probe, Frequency range: 2.5/3.5/5.0 MHz • Linear Probe, Frequency range: 5.0 to 10.0 MHz
13	Crash Cart Quantity :100	<ul style="list-style-type: none"> • Overall dimension 2.5'(L) x 2'(W) x 3' H or better • Electro-galvanized steel sheet structure, Epoxy powdered coated, finish rounded, edges washable and can bed be infected. • Push handles one end. • Height adjustable IV Holder rod. • Shelf for defibrillator / ECG can rotatable with locking facility. • Three or more drawers. • Detachable waste bin with bag holder. • CPR board. • Antistatic no skidded casters with 2 brakes. • Oxygen bottle support with fastening belts. • Catheter tubes holder. • Stainless steel / plastic bracket on back side for mounting oxygen cylinder/bracket for mounting oxygen cylinder.

		<ul style="list-style-type: none"> • 02 Nos Electrical universal power outlet and rollup power supply cable. <p>Accessories</p> <ol style="list-style-type: none"> 1. Oxygen Cylinder small size 2. Oxygen Regulator 3. Oxygen flowmeter 4. Resuscitator Set reusable and autoclavable comprising of. <ul style="list-style-type: none"> • Silicon Resuscitation Bag with adult face mask sizes 3, 4, 5 & Airway size 3, 4, 5 with E2 valve and fully autoclavable. • Reservoir bag volume 2 liter or more <ol style="list-style-type: none"> 5. Laryngoscope with 3 blades 6. Magill Forceps 7. Endotracheal Tubes set of 12 tubes 8. Pen torch 2 qty 9. Artery forceps 2 10. Dressing scissors 2
14	Defibrillator Quantity :25	<ul style="list-style-type: none"> • Semi-automatic 200 joules or better biphasic defibrillator with monitor and AED mode. • Synchronized output with ECG. • Control of energy charging/ delivering on main panel and paddle. • The energy range should be adjustable for Peads and adults up to 200Joules. • Charging Time for full energy will be less than 08 sec. • Screen Size of approx. 6 inch or better colored. • Display of Heart Rate: 30 to 300 bpm • ECG through Pads / paddles and 3 Lead ECG patient cable with arrhythmia detection • Built in recorder for printing of full summery on standard paper including waveforms, Frozen Waveforms, Event Summary, Tabular Trends, User test, and Configuration. • Alarms for High and low Heart rate, low battery warning. • AC 220V / 50 Hz operated. • Built-in Rechargeable battery with charger • Auto tester/self-check. • External pediatric and adults Paddles, ECG cable with reusable electrodes for adult &Peads. • AED facility. • AED pads • Pacing facility
15	ECG Machine 3 channels Quantity:50	<ul style="list-style-type: none"> • 03 channels ECG Machine • Should be portable and lightweight • ADC:12bits, resolution:1uV/LSB • Voltage 220 volts, 50hz • Display 3” or more

		<ul style="list-style-type: none"> • Simultaneous 12 leads acquisition • Must have continuous display of patient heart and rate • Must have integrated pediatric analysis. • Support the 12-lead ECG analysis program for complete ECG Analysis reports with measurement data table should be provided. • Must be able to indicate at least four critical values that require immediate clinical attention. • Printer: High Resolution and in-built thermal array printer. • Battery Capacity: Must be 4 hours without printing. • Internal memory for storage of patient ECG record. • Complete with Patient Cable. • Reusable Electrodes Set.
16	HFNC Quantity :200	<ul style="list-style-type: none"> • Should be used for adults and peads • Flow rate: 2L/min to 60L/min or better • Oxygen Concentration: 21% to 100% • With heated humidifier • Display to monitor humidity setting, flow, Fio2 and faults. • Visual and audible alarm for Tube disconnect leaks, tube blockage, hardware faults and audible failure alarm. • Supplied with heated wire patient breathing tube and nasal cannula of different sizes • It should be compatible for use of Tracheostomy patients
17	Nebulizer Quantity :150	<ul style="list-style-type: none"> • Maximum compressor pressure 2.5-3.0 bar • Nebulization rate 0.3 ml / min • Nebulizer cup capacity 6ml • Particle size(mmad) 0.5m to 5m • Noise level 55 db • Electrical requirement 220v/ 50Hz • Operation cycles operation for 20min & off for 40min • Nebulizer assembly with all Accessories
18	Suction machine Heavy Duty/ Electric suction Machine Quantity :150	<ul style="list-style-type: none"> • Mobile suction pump Oil-Less along with 4 anti- static wheels with lock. • Convenient for operation, with following performance features: • Built-in Vacuum gauge with a range from: 0-650 mm Hg or better adjustable. • Flow capacity: Not less than 45 l/min or better • Explosion proof footswitch. • Capacity of two graduated suction bottle: 2500cc each or better (Autoclavable) • Heat resistant and disinfect able rubber tube for suction. • Over flow safety device. • Power requirement: 220V, 50Hz. • Complete with suction nozzle and other standard accessories

19	Oxygen Concentrator Quantity:500	Micro Processor controlled. <ul style="list-style-type: none"> • Oxygen Flow Range: 10 litter per Minute or better (Adjustable) • With filter. • Alarm at very low oxygen level. • Audio visual alarm for: Power loss, Low pressure, air leak, hardware failure, Mechanical Failure, Overheating and High Pressure. • Oxygen Percentage level: 93%±3% or better • With Humidifier • With Reusable mask Sizes: 0,1,2,3,4,5 • With Connecting Pipe • Mobile on 04 Castors
20	Pulse Oximeter Quantity:1400	<ul style="list-style-type: none"> • Portable device measures arterial blood oxygen saturation (SpO2), heart rate and signal strength. • Measuring range: SpO2 35 to 99% (minimum graduation 1%) • Heart rate 35 to 240 bpm (minimum graduation 1bpm). • Provided with batteries
21	BP Apparatus Desktop Quantity:2000	Sample Base
22	Stethoscope Quantity:2000	Sample Base
23	N-95	As Per WHO Standards. (Sample shall be submitted with Bid)
24	3 Ply Face Mask	As Per WHO Standards. (Sample shall be submitted with Bid)
25	Goggles	As Per WHO Standards. (Sample shall be submitted with Bid)
26	Bio hazard Bags	As Per WHO Standards. (Sample shall be submitted with Bid)
27	UTM	As Per WHO Standards. (Sample shall be submitted with Bid)