



F. 2(45)/2019-20-NDMA (Proc)  
Government of Pakistan  
Prime Minister's Office  
National Disaster Management Authority  
Islamabad



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**EMERGENCY TENDER NOTICE**  
**EMERGENCY TENDER FOR PROCUREMENT OF MISC MEDICAL EQUIPMENT**  
**FOR COVID-19**

National Disaster Management Authority (NDMA), Islamabad invites all potential bidders / firms / suppliers / manufacturers for emergency tendering of the following Medical Equipment's: -

Ser	Description	Quantity
i.	BLOOD GAS ANALYZER WITH ELECTROLYTE	200
ii.	Vital sign monitor	1500
iii.	DEFIBRILLATOR WITH CARDIAC CRASH TROLLEY	500
iv.	Infusion Pumps	2500
v.	NEBULISER – DIAPHRAM TYPE	1000
vi.	Oxygen Concentrator	1500
vii.	Pulse Oximeter (Finger Type)	2000
viii.	Syringe Pumps	2500

The firms must be registered with Income Tax and Sales Tax Departments. Firm should be registered with DRAP for Establishment license. Establishment License/Import License issued from DRAP must be attached, Firms should have past record / relevant experience and provide document evidence of business and relation with the manufacture. LOA from principal manufacturer should be issued addressed to National Disaster management Authority The interested firms should be technically as well as financially sound. Previous Business history with NDMA will be preferred. The firms must have enough STOCKS and possess relevant experience to supply of the required quantity of items NDMA delivery schedule.

The tender documents including instructions/ terms and conditions may be collected from Procurement Section (Room No.238 - B, Prime Minister's Office Islamabad) during office hours on payment of **Rs. 2,000/- in the shape of cash** and can also be downloaded from NDMA Websites. The same can also be downloaded from NDMA's website: [www.ndma.gov.pk](http://www.ndma.gov.pk). The documents must reach the undersigned before 1100 hours on 07<sup>th</sup> July, 2020 which will be opened the same day at 1130 hours in room no 220-E, PM Office NDMA Islamabad Single stage one envelope method will be applicable.

**(Najeeb Ullah Khan)**  
Director (Procurement)  
National Disaster Management Authority, Islamabad  
Tel: 0519087838 / 9087843

**PROCUREMENT OF MISC MEDICAL EQUIPMENT FOR COVID-19**  
**TERM AND CONDITIONS**

1. Tender No : Tender No. 24/ COVID-19
2. Title of tender: Purchase of **MISC MEDICAL EQUIPMENTS**
3. Procuring Agency: National Disaster Management Authority  
Prime Minister's Office Islamabad.
4. Last date for Submission: 07<sup>th</sup> July, 2020 at 1100 hours
5. Opening Date & Time 07<sup>th</sup> July, 2020 at 1130 hours
6. Opening Address: Room No. 220-E, National Disaster Management Authority  
NDMA), Prime Minister's Office, Islamabad.
7. Period of Contract: As per mutual agreement/satisfactory delivery.
8. **Requirement of Tender**
  - a. Good Distribution Medical Practices for Medical Devices (GDMPD) of the firm.
  - b. ISO Certification.
  - c. Product capacity per day.
  - d. Supplies past experience of Government, Private and Market availability (PO should be attached).
  - e. Test reports of AFIP and PCSIR.
9. Rejection of Applications: Application on following grounds to be rejected: -
  - a. Incomplete and conditional applications will be rejected forthwith.
  - b. Applications received after due date and time of submission will not be accepted.
  - c. Rate other than PKR will not be accepted.
  - d. Firm did not purchase the tender from NDMA procurement office.
  - e. Black listed firm from any Ministry/Division/Department/Organization/Hospital/ procuring agency of the Government of Pakistan whether it is permanent /temporary backlisting or currently black listed or in past.
10. **FOLLOWING MANDATORY QUALIFICATIONS/PREREQUISITES TO BE PROVIDED: -**

Sr.	Document Required	Attached
(1).	Registered with Income Tax / Sales Tax Department	<b>Annex-A</b>
(2).	An affidavit on stamp paper attested by notary public that the firm have never been black listed from any Ministry/Division/Department/Organization/Hospital/ procuring agency of the Government of Pakistan whether it is permanent /temporary backlisting or currently black listed or in past.	<b>Annex-B</b>
(3).	Copy of Bank Statement FY 2018-19	<b>Annex-C</b>

(4).	Details of similar business in past	<b>Annex-D</b>
(5).	Copy of 3-5 x Work Orders in last one years	<b>Annex-E</b>
(6).	Satisfactory Client List	<b>Annex-F</b>
(7).	List of other Business if any	<b>Annex-G</b>
(8).	Quality certificate issued by any Lab / Certifying Agency if any	<b>Annex-H</b>
(9).	Readily Available Stocks	<b>Annex-I</b>
(10).	BSC/BE Service engineers having more than 5 years' relevant field experience at least 7-10 based in Head office and branch offices as well.	<b>Anex-J</b>
(11).	Exclusive authorized distributor certificate from original manufacturer will be required	<b>Anex-K</b>
(12).	Company Profile including proof of existence in particular business	<b>Anex-L</b>

11. **Earnest Money:** The Firms are required to submit Earnest Money in the shape of CDR/ Pay Oder/Bank Guarantee @ 2% in the name of Director (Procurement), NDMA. However, the same will be returned in case of rejection. **Cross cheque will be not entertained.**
12. **Draft Contract Agreement:** Draft contract agreement as per Annex - B
13. **Award of Contract / Supply Order:** Competitive bidding will be done through Single Stage One Envelope System. The firms offering overall lowest bid and technically qualified against items of required quantity and specifications will be awarded the Contract / Supply Order.
14. **Maximum Time of Delivery:** The selected firms would be liable to deliver their respective items within the stipulated time period.
15. **Payment Terms:** Payment will be processed after satisfactory delivery of the required item as per supply contract / agreement.
- a. Payment should be done in Pak Rupees.
  - b. Advance payment to local dealers/supplier will only be released against equal amount of Bank Guarantee, if deemed necessary in national interest.
  - c. 5% Bank Guarantee will be deposited by local supplier/authorized dealer on account of after sales service/commissioning /training of equipment.
  - d. Only FOR quotes are required to be submitted. Clearance under the name of NDMA

## 1. BLOOD GAS ANALYZER WITH ELECTROLYTE (QTY 200)

<b>Specification</b>
It should measure Blood Gas (full parameters – pH, pO <sub>2</sub> , pCO <sub>2</sub> ).
In addition it should measure electrolytes like Na <sup>+</sup> , K <sup>+</sup> , Cl <sup>-</sup> and Haematocrit
Calculated parameters: TCO <sub>2</sub> , HCO <sub>3</sub> , Base Excess A-aDO <sub>2</sub> , Buffer Base etc.
Should display all results in print out.
Should have input parameters of patient Temperature, Hemoglobin FIO <sub>2</sub> , patient ID Etc.
Should have a sample temperature control of 37 degree centigrade.
It should have inbuilt printer.
Analysis time should not be more than 90 seconds.
Sample volume should be approximate 100 µl for all parameters.
System should be based on liquid / gas calibration technology.
Should work on whole blood and should have syringe and capillary sampling.
System should not be a cartridge based system i.e. electrodes should not be in the cartridge system
Should be with numeric keypad, graphic / LCD display, and inbuilt printer.
Analyzer with memory of storing patient data/result minimum 250 or more.
System should be supplied complete with all standard accessories, electrodes & start up kits. Onboard life of reagents should not be less than one month.
16. Power input: 220 VAC + 10%, 50 Hz and a suitable one hr. back up UPS should be supplied along with analyzer. There should be storage facility of data in case of power failure. Maintenance free electrode.
System should be CE marked or US FDA approved.
Warranty with parts 3 years Any other parts except reagents to be replaced free of cost during warranty period.
Reagent module ABG with electrolyte 5 module with each unit
<b>Final selection will be based on accumulative cost of the equipment cost and per test cost</b>

## 2. VITAL SIGN MONITOR (QTY-1500)

<b>Technical Specifications</b>
Vital sign monitor
Display screen LCD TFT 15-inch Touch screen
Respiration rate SPO <sub>2</sub> Massimo/Nellcore, ECG, 2 Temp, NIBP, 2 IBP with allied accessories and 2 disposable transducer kit with each unit
power supply 220v and Battery backup minimum 2 hour
original mobile stand
ETCO <sub>2</sub> should be upgradable without any requirement of software/key/license should be quoted as (optional )
Country of origin USA, western Europe, Japan (CE/ FDA approved with k number)
Country of origin china product should be FDA approved with k number
Sole agency certificate is mandatory
Warranty 3 years with parts

### 3. DEFIBRILLATOR WITH CARDIAC CRASH TROLLEY (QTY 500)

Specification
1. Biphasic, Manual and AED with voice prompt, compact and light weight.
2. Energy selection 5 J to 200 J or above in steps
3. Momentary energy selection access on front panel.
4. Should have adult and paediatric paddles integrated on same handle.
5. Momentary charge key on front panel and on the apex hand.
6. Monitor should display selected and delivered energy
7. Should have disarm facility.
8. Should have synchronization mode.
9. Sync message should display in case of selection of synchronization mode.
10. Energy should be delivered within 30ms after the detected R wave in synchronization mode.
11. Charging time should be maximum 5 sec for 200 J & 8 sec for the maximum energy level of the defibrillator.
12. Should have battery back up for 50 discharges of 200J.
13. Should have ECG inputs through paddles or 3 lead cables.
14. Should have display for selected ECG input source(I, II, III, paddles)
15. Lead off message should appear with alert tone.
16. Amplitude gain of ECG waveform should be adjustable
17. Should have color display for heart rate of size 6" or more.
18. Should have alarm for high and low HR with a provision for alarm silence mode
19. Should have an inbuilt thermal recorder
20. Should have enable/disable option for printer.
21. Should Supply along with placing cable with pad.
22. Should operate on mains 230V,50Hz
23. Should have safety certificate from a competent authority CE issued by a notified body registered in the European commission / FDA (US) with K number
24. Should be supplied with all standard accessories and should supply 10 Rolls of thermal paper along with the unit.
25. Should supply three pairs of AED pads and the prices of AED pads should be quoted separately which will not be taken for evaluation.
Warranty with parts 3 years
Sole distribution certificate is mandatory

**Note :-price of Cardiac crash trolley must be quoted separately**

Included
<ul style="list-style-type: none"> <li>• Cardiac crash trolley 5 drawer with divider defibrillator shelf, CPR board waste basket ,central locking</li> </ul>
<ul style="list-style-type: none"> <li>• Imported</li> </ul>
<ul style="list-style-type: none"> <li>• CE marked</li> </ul>

### 4. INFUSION PUMPS (QTY-2500)

Specification
Operates on any brand of infusion set.
Automatic control of infusion rate independent of venous or arterial Pressure
Solution container height and solution viscosity.
Bolus function automatic.
Air bubble detector.

Automatic pressure release after occlusion.  
 Automatic switchover to keep-vein-open (KVO) rate of 1.0 ml/hr (or previous rate, whichever is less).  
 Compatible with commonly available Infusion sets.  
 Portable operation from self-contained rechargeable battery with 03 hours or more operation time.

**ON/OFF:**  
 Light indicates main or battery operation  
 Detects a “no flow” situation i.e. empty container

**DISPLAY:**  
 LED/LCD digital display which indicates flow rate  
 Infused volume, Volume to be infused ,Volume balance, Infusion time, Remaining Time ,Battery capacity, Occlusion level

**INFUSION RATE:**0.1-999.9 ml/hr in 1 ml increments  
**INFUSION TIME:**99 hrs 59 minutes  
**AUTOMATIC RATE CALCULATION:** On total volume + time  
**VOLUME LIMIT SELECTION:** From 1 -9999 ml Accuracy of above parameters +/- 5%  
**KVO RATE:**1– 3.0ml/hr  
**AUDIBLE AND VISUAL ALARMS:** Activated by: Empty Container Occlusion Low Battery Open Door Air-in-Line Internal Malfunction End of infusion.  
**BATTERY:** Rechargeable maintenance free dry batteries with 4 hours or more operation when fully charged.  
**SAFETY FEATURES:** Door locks while functioning  
**ACCESSORIES:**  
 IV Serts (10)  
 Country of origin USA, western Europe, japan (CE/,FDA )  
 Country of origin china (CE,FDA MHWL) any two certificate  
 Warranty with parts 3 years

Sole agency certificate is mandatory

## 5. NEBULISER – DIAPHRAM TYPE (QTY 1000)

Specification
NEBULISER – DIAPHRAM TYPE
1 Should be lightweight, portable and compact.
2 Should have a dust filter.
3 Should be able to deliver a flow rate / 7 lpm
4 Should h have air pressure / 35 psi.
5 Should have a check valve to protect the device against contamination due to backward inhalation
6 Should be compatible for continuous use
7 Should works on 200-240Vac/50Hz.
8 Should be supplied with nebulization accessory kit with mask for adult and pediatric – 2 nos. each
9 Nebulization mask for adult and pediatric – 10 nos. each
10 Should have safety certificate from a competent authority CE / FDA (US)
Warranty 01 year with parts

## 6. OXYGEN CONCENTRATOR 10 LITERS (QTY-1500)

Specification
<ul style="list-style-type: none"> <li>Oxygen Concentrator (10 LPM) with standard accessories (Mask, Tubing ,Power Cord, Humidifying Bottle, Operational Manual).</li> </ul>

- Oxygen Concentration at 6 LPM = 93%(± 3%) and at 10 LPM=90%(± 3%) \*Litre Flow = 0.5 to 10 Litres per Minute(with setting in 0.5 Litres increment)
- Outlet Pressure >10psi(More Than 10psi)
- Sound Level= Less than 55 dB  
Operating Humidity upto 95% relative Humidity
- Warranty with parts= Minimum 3 Years.
- Quick Startup
- Alarm for Power Failure and low oxygen concentration
- Country of origin USA, western Europe, japan (CE/ FDA approved)
- Sole agency certificate is mandatory

### **Oxygen Concentrator 5 liters**

- Oxygen Concentrator (5 LPM) with standard accessories (Mask, Tubing ,Power Cord, Humidifying Bottle, Operational Manual).
- Oxygen Concentration at 2 LPM = 93%(± 3%) and at 5 LPM=90%(± 3%) \*Litre Flow = 0.5 to 10 Litres per Minute(with setting in 0.5 Litres increment)
- Outlet Pressure >10psi(More Than 10psi)
- Sound Level= Less than 55 dB  
Operating Humidity upto 95% relative Humidity
- Warranty with parts= Minimum 3 Years.
- Quick Startup
- Alarm for Power Failure and low oxygen concentration
- Country of origin USA, western Europe, japan, china (CE/ FDA approved)
- Sole agency certificate is mandatory

## **7. PULSE OXIMETER (FINGER TYPE) (QTY-2000)**

### **Specification**

High brightness LED display SpO<sub>2</sub>, PR, and Pulse bar, Low power consumption; battery-low indicator, Automatically power off; 2 AAA alkaline batteries; Suitable for adult;  
FDA / CE approved;

**Warranty one year**

## **8. SYRINGE PUMPS (QTY-2500)**

<b>S#</b>	<b>Specification</b>
1.	Syringe pump for fluid administration.
2.	Flow Rates: 0.1 - 1200 ml/hr.
3.	Digital display of set parameters.
4.	Universal Syringe acceptance capability,
5.	Plastic, Size, 10, 20, 50, 60 ml.
6.	Drive Accuracy. ±2%
7.	Display of drug name, Infusion rate, infused volume and volume to be infused.
8.	KVO Rate : 0.1ml/H
9.	Bolus Operation As Per Syringe
10.	Occlusion Level
11.	Automatic adaptation of controls according to syringe /infusion set.
12.	Quick freed/rapid infusion facility.
13.	Rechargeable battery and mains operated 220V, 50Hz.

14.	Safety alarm audible and acoustic for occlusion end of infusion, low battery.
15.	Battery back minimum 6Hours.
16.	Protection IP24 at least
17.	Should be compatible with docking station.
18.	Country of origin USA, western Europe, japan (CE/ FDA approved)
19.	Country of origin china, product should be CE,MHWL,USA FDA approved any two certification
20.	Sole agency certificate is mandatory
21.	Warranty 3 year with parts
<b>22.</b>	<b>OPTIONAL:</b>
23.	Docking station accommodating atleast four pumps or more. Must be quoted of same brand