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# ICAL SPECIFICATION AUTOMATED EXTERNAL DEFIBRILLATOR

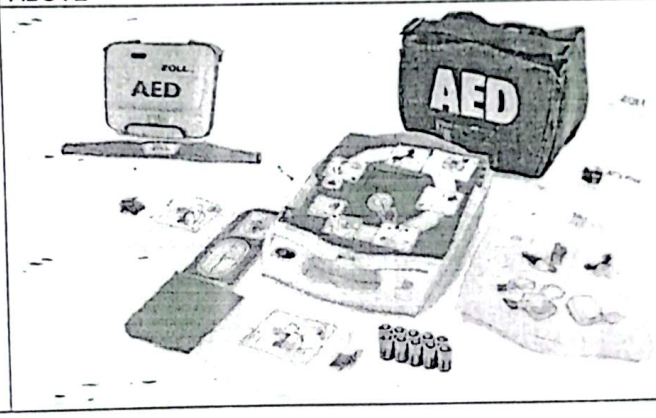
| Particulars | | Description | |
|---|---|---|---|
| Name of Item | | Automated External Defibrillator | |
| Quantity | | 02 in No | |
| 3. Purpose | | Items Used for OT patient in Haiti Mission | |
| 4. Technical parameters | a. | Operation Mode: | Manual, Semi-Automatic, Automatic |
| | b. | Output: | Biphasic Truncated exponential |
| | c. | Energy Sequence: | 150,150,200J |
| | d. | Charge Time: | 8 sec, to 150J;10 sec 200J (New Battery) |
| | e. | Analysis Time: | 9 sec |
| | f. | The maximum time from the initiation of rhythm analysis to readiness for discharge with a new battery: | Less than 30 seconds |
| | g. | The maximum time from the initiation of rhythm analysis to readiness for discharge after 6 shocks: | Less than 35 seconds |
| | h. | The maximum time from initially switching power on to readiness for discharge: | Less than 25 seconds |
| | i. | Audible prompts: | 22 audible prompts |
| | j. | Visual Prompts: | LED prompts |
| | k. | Controls: | Two buttons – on/off, shock |
| | l. | Output Energy Accuracy: | +-15% into any impedance from 25 to 175'Ω |
| | m. | The maximum voltage: | 1200+- 50V |
| | n. | Output disabled when the patient impedance is outside limits: | 20'Ω to 200'Ω |
| | BATTERY | | |
| | o. | Non-rechargeable: | 12V DC, 3AH |
| | p. | Capacity: | 120 discharges at 150 joules |
| | q. | Shelf Life ($25^0$ c+- $15^0$ c): | 10 Years (5 years storage + 5 years standby) 5 years standby (after installation) |
| | PHYSICAL | | |
| | s. | Dimensions: | 303 x 216 x 89 mm |
| | t. | Weight: | 2.0 kg |
| | u. | Operating: | $0^0$ C to $40^0$ C |
| | v. | Operating Humidity: | Relative humidity between 30% and 95% (non - condensing) |
| | w. | Storage Temperature (Without battery): | -$20^0$ C to $55^0$ C |
| | | Storage Humidity (without battery): | UP to 93% (non-Condensing) |
| | | **Warranty/Guarantee**: warranty at least for02 (two) years. | |
| 5. Country of Origin | | USA/ Canada/ UK/ EU/ Japan/ Australia/South Korea/ China. | |
| 6. Country of Manufacture | | To be mentioned | |

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MD JAHANGIR ALAM SARKAR
DNSO (CSO-2)
OIC E Group
NSD Chattogram

CamScanner

| | | |
|---|---|---|
| | Manufacture | To be mentioned |
| | ce of Supply | To be mentioned |
| | rt of Shipment | - |
| | Manufacture name & address | To be mentioned |
| 11. | Supplier/Local Agent | Local Agent |
| 12. | Certificate and Document of Authentication | Warranty/ Guaranty Certificate |
| 13. | Packing/labelling | - |
| 14. | Warranty | 02 year on the date of BN acceptance |
| 15. | Installation | NA |
| 16. | Test, Trail and acceptance | The acceptance will be carried out CINS/Inspection committee |
| 17. | Site visit(Focal Point) | NA |
| 18. | Training | NA |
| 19. | Accessories | ABOVE |
| 20. | Picture |   |

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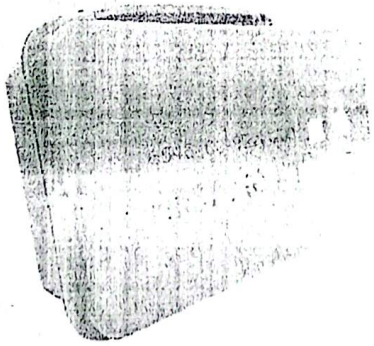
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NSD Chattogram

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# TECHNICAL SPECIFICATION OF FIRST AID KIT GENERAL PURPOSE

| Particulars | | | Description |
|---|---|---|---|
| | | | First Aid Kit General Purpose. |
| | | | 08 (Eight) Set |
| | | | Items used for Medical/Hospital. |
| Technical parameters | a. | Container Specifications | **Material:** High-impact plastic, powder-coated steel, or heavy-duty nylon<br>**Design:** Portable with a carrying handle, wall mountable option, and a tight rubber gasket seal to block dust and moisture<br>**Labeling:** Clearly marked with a high-visibility first aid cross symbol and organized internal compartments or color-coded modules |
| | b. | Wound Care | 1. Assorted adhesive fabric/plastic bandages (plasters) – 25 to 50 pieces<br>2. Sterile gauze pads (3x3 inches or 4x4 inches) – 10 pieces<br>3. Large sterile unmediated wound dressings – 2 to 4 packs<br>4. Triangular bandages – 2 pieces<br>5. Roller gauze bandage (2-inch and 3-inch widths) – 2 rolls<br>6. Adhesive medical tape (10 yards) – 1 roll<br>7. Antiseptic cleansing wipes or solution – 10 packets |
| | c. | Instruments & Tools | 1. Stainless steel first-aid scissors (sharp/blunt) – 1 pair<br>2. Precision metal tweezers – 1 piece<br>3. Disposable safety pins – 10 pieces<br>4. Digital thermometer (non-glass) – 1 piece |
| | d. | Protection & Miscellaneous | 1. CPR breathing barrier / face shield with one-way valve-1 piece<br>2. Instant disposable cold pack – 1 piece<br>3. Emergency thermal space blanket – 1 piece<br>4. First aid instruction guide / manual – 1 booklet |
| | e. | | |
| Country of Origin | | | To be mentioned |
| Country of Manufacture | | | To be mentioned |
| Year of Manufacture | | | To be mentioned |
| Source of Supply | | | To be mentioned |
| Port of Shipment | | | - |
| Name & address of Local Agent | | | To be mentioned |
| | | | Local Market |
| Certificate and Document of Authentication | | | Warranty/ Guaranty Certificate |
| Packing/labelling | | | Standard Packing |
| Warranty | | | 01 year on the date of BN acceptance |
| Installation | | | NA |
| Test Trail and acceptance | | | The acceptance will be carried out CINS/Inspection committee |
| Site visit(Focal Point) | | | NA |
| Training | | | NA |
| Accessories | | | NA |
| Picture | | |  |

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CamScanner

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# TECHNICAL SPECIFICATION MACHINE,DIAGNOSTIC ULTRASOUND SYSTEM - PORTABLE HANDHELD,COLOUR DOPPLER

| Ser | Particulars | Description |
|---|---|---|
| 1. | Name of Item | Machine, Diagnostic Ultrasound System-Portable Handheld, Colour Doppler. |
| 2 | Quantity | 02 in No |
| 3. | Purpose | Items Used for OT patient in Haiti Mission |
| 4. | Technical parameters | a. **Physical Structure & Portability**<br>**Weight** : Under 5.0 kg to 8.0 kg maximum (including battery).<br>**Design** : Laptop style or tablet style with a splash-resistant console<br>**Mobility** : Ergonomic carrying handle and an optional custom wheeled trolley with transducer holders |
| | | b. **Display & Interface**<br>**Monitor :** Minimum 12-inch high-resolution medical-grade TFT/LCD display.<br>**Resolution :** At least 1024 x 768 pixels with wide viewing angles.<br>**Controls :** Backlit physical keyboard or touch screen panel with dedicated Time Gain Compensation (TGC) sliders |
| | | c. **System Architecture & Performance**<br>**Imaging Technology :** Fully digital beamformer with advanced tissue harmonic imaging (THI).<br>**Boot Time :** Cold boot to active scanning in less than 25–30 seconds for emergency use.<br>**Frame Rate :** Acquisition capability of at least 150 frames per second (FPS).<br>**Scanning Depth:** Adjustable up to a minimum of 240 mm to 350 mm |
| | | d. **Imaging Modes**<br>**2D Mode (B-Mode):** Basic structural imaging with 256 gray scales.<br>**M-Mode:** For movement tracking (e.g., cardiac motion).<br>**Color Doppler:** For real-time blood flow visualization.<br>**Pulse Wave (PW) & Continuous Wave (CW) Doppler:** For blood velocity measurements.<br>**Power Doppler (PDI):** For detecting low-velocity blood flow in small vessels. |
| | | e. **Transducers (Probes) & Connectivity**<br>**Probe Ports :** Minimum of 1 to 3 active integrated transducer ports with electronic switching.<br>**Supported Transducers :** Broad-band multi-frequency probes:<br>*Convex Probe:* 2.0 – 5.0 MHz (Abdominal, OB/GYN)<br>*Linear Probe:* 4.0 – 12.0 MHz (Vascular, Small Parts)<br>*Phased Array Probe:* 2.0 – 4.0 MHz (Cardiac)<br>*Endocavity / Endovaginal Probe:* 5.0 – 9.0 MHz (Urology, Gynecology) |
| | | f. **Data Management & Storage**<br>**Storage Capacity:** Internal Solid State Drive (SSD) or Hard Drive of 128 GB to 500 GB.<br>**Cine Loop:** Memory capacity for at least 1000 frames in both frame-by-frame and continuous playback.<br>**Export Formats:** DICOM 3.0 compliant, JPEG, BMP, WMV, and AVI.<br>**I/O Ports:** USB 3.0, LAN (RJ45), HDMI or VGA output. |
| | | g. **Power Supply & Certification**<br>**Input Voltage:** 100–240 V AC, 50/60 Hz.<br>**Battery Backup:** Built-in rechargeable lithium-ion battery providing a minimum of 2 hours of continuous active scanning.<br>**Regulatory Compliance:** Must hold CE mark and/or US FDA clearance for medical safety. |
| 5. | Country of Origin | USA/ Canada/ UK/ EU/ Japan/ Australia/South Korea/ China. |
| 6. | Country of Manufacture | To be mentioned |
| 7. | Year of Manufacture | To be mentioned |
| 8. | Source of Supply | To be mentioned |
| 9. | Port of Shipment | - |
| 10. | Manufacture name & address | To be mentioned |

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Surg Col
Medical Officer
BANMSBC-1

02/11/26

| | Supplier/Local Agent | Local Agent |
|---|---|---|
| 12. | Certificate and Document of Authentication | Warranty/ Guaranty Certificate |
| 13. | Packing/labelling | Standard Packing |
| 14. | Warranty | 02 year on the date of BN acceptance & company original Warranty card should be provide. |
| 15. | Installation | NA |
| 16. | Test, Trail and acceptance | The acceptance will be carried out CINS/Inspection committee |
| 17. | Site visit(Focal Point) | NA |
| 18. | Training | NA |
| 19. | Accessories | Battery, power cable, tranducer cable, paper, gel 10ltr |
| 20. | Picture |  |

NAFISA TASNIM AHAMED
Lt Cdr BN
OIC E Group
NSD Chattogram

MD MASUDOR RAHMAN
Surg Lt BN
Medical Officer
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10/11/24

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Staff Officer (NS-2)
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# TECHNICAL SPECIFICATION OF SUCTION UNIT – COMPLETE

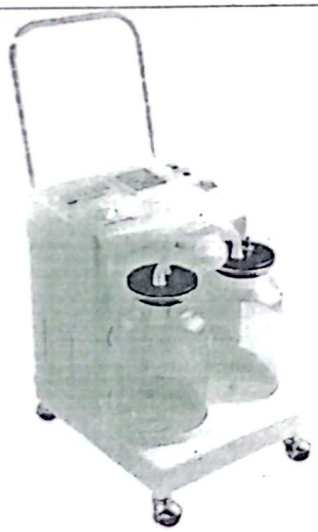
| | Particulars | Description | | |
|---|---|---|---|---|
| 1. | Name of Item | Electric Medical Suction Unit with Rechargeable Battery/UPS Backup | | |
| 2. | Quantity | 06 in No | | |
| 3. | Purpose | Items used Surgical, emergency, ICU, OT, ward and general medical suction | | |
| 4. | Technical parameters | a. | Pump Type | Oil-free, maintenance-free diaphragm/piston vacuum pump |
| | | b. | Vacuum | Range 0 to at least -700 mmHg<br>Maximum Vacuum ≥ -700 mmHg<br>Air Flow Rate ≥ 30 L/min |
| | | c. | Vacuum Regulation | Adjustable vacuum regulator with control knob |
| | | d. | Vacuum Gauge | Analog/digital vacuum gauge, clearly readable |
| | | e. | Collection Jar | Minimum 2 × 2 L autoclavable collection bottles |
| | | f. | Bottle Material | Transparent medical-grade polycarbonate / equivalent |
| | | g. | Overflow Protection | Float-type overflow safety mechanism |
| | | h. | Bacterial Filter | Hydrophobic bacterial/viral filter to protect pump from contamination |
| | | j. | Tubing | Medical-grade, flexible, transparent suction tubing |
| | | k. | Suction Tip | Suitable suction catheter/Yankauer suction handle with connector |
| | | l. | Power Supply | 220–240 V AC, 50 Hz |
| | | m. | Power Consumption | Low-power design, as specified by manufacturer |
| | | n. | UPS/Battery Backup | Built-in rechargeable battery/UPS system for operation during mains failure |
| | | o. | Battery Type | Maintenance-free rechargeable battery |
| | | p. | Backup Time | Preferably ≥ 60 minutes at normal operating condition |
| | | q. | Battery Charging | Automatic charging when connected to AC mains |
| | | r. | Mobility | Portable or trolley-mounted configuration |
| | | s. | Trolley | Heavy-duty medical-grade trolley, where trolley-mounted model is supplied |
| | | t. | | Wheels<br>Minimum 4 smooth-rolling castors, locking facility preferred |
| | | u. | Operating Mode | Continuous operation suitable for clinical use |
| 5. | Country of Origin | To be mentioned | | |
| 6. | Country of Manufacture | To be mentioned | | |
| 7. | Year of Manufacture | To be mentioned | | |
| 8. | Source of Supply | To be mentioned | | |
| 9. | Port of Shipment | - | | |
| 10. | Manufacture name & address | To be mentioned | | |
| 11. | Supplier/Local Agent | Local Agent | | |

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|---|---|---|
| | ...ificate and Document ...f Authentication | Warranty/ Guaranty Certificate |
| | Packing/labelling | - |
| 14. | Warranty | 01 year on the date of BN acceptance |
| 15. | Installation | NA |
| 16. | Test,Trail and | The acceptance will be carried out CINS/Inspection committee |
| 17. | Site visit(Focal Point) | NA |
| 18. | Training | NA |
| 19. | Accessories | Complete Set Should Include:<br>• 3KVA UPS must be attatch<br>• Electric suction pump/unit – 1 set<br>• Built-in UPS/rechargeable battery system – 1 set<br>• Vacuum gauge – 1<br>• Vacuum regulator – 1<br>• Collection bottles, 2 L – 2 pcs<br>• Bottle lids with overflow protection – 2 sets<br>• Bacterial/hydrophobic filters – as required<br>• Suction tubing – 2 sets<br>• Yankauer suction handle/tip – 1 or more<br>• Power cable – 1<br>• Necessary connectors/adapters – 1 set<br>• User/maintenance manual – 1<br>• Trolley with castors – 1 set, if trolley-mounted model is required |
| 20. | |  |

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