# GENERAL SPECIFICATIONS FOR CLINIC EQUIPMENT

## 1. MANUAL DELIVERY BED

**General Specifications:**

1. Material: Stainless steel or powder-coated steel frame
2. Dimensions:
   - Length: 1800-2000 mm (70-78 in)
   - Width: 800-1000 mm (31-39 in)
   - Height: 500-700 mm (20-28 in)
3. Weight capacity: 200-300 kg (440-660 lbs)
4. Color: White, stainless steel, or custom colors

**Frame and Construction:**

1. Frame material: 40-50 mm (1.6-2 in) diameter steel tubing
2. Frame thickness: 1.2-1.5 mm (0.05-0.06 in)
3. Joint type: Welded or bolted
4. Finish: Powder-coated or stainless steel

**Mattress and Cushioning:**

1. Mattress material: High-density foam or vinyl
2. Mattress thickness: 100-150 mm (3.9-5.9 in)
3. Cushioning material: Foam or gel
4. Cushioning thickness: 20-50 mm (0.8-2 in)

## 2. NORMAL ADULT BED WITH AN AUTOMATIC SINGLE CRANK (including mattress)

**General Specifications:**

1. Material: Stainless steel or powder-coated steel frame
2. Dimensions:
   - Length: 1980-2030 mm (78-80 in)
   - Width: 900-960 mm (35-38 in)
   - Height: 450-650 mm (18-26 in)
3. Weight capacity: 150-200 kg (330-440 lbs)
4. Color: White, stainless steel, or custom colors

**Frame and Construction:**

1. Frame material: 40-50 mm (1.6-2 in) diameter steel tubing
2. Frame thickness: 1.2-1.5 mm (0.05-0.06 in)
3. Joint type: Welded or bolted
4. Finish: Powder-coated or stainless steel

**Automatic Single Crank Mechanism:**

1. Type: Single crank with electric linear actuator
2. Control: Handheld pendant or foot pedal

3. Adjustment range:
   - Backrest: 0-70°
   - Knee break: 0-30°
   - Trendelenburg/Reverse Trendelenburg: 0-15°
4. Motor power: 24V DC, 50W

**Mattress:**
1. Material: High-density foam or vinyl
2. Thickness: 100-150 mm (3.9-5.9 in)
3. Size: 1880x760 mm (74x30 in)
4. Density: 40-60 kg/$m^3$

**3. EXAMINATION COUCH**

**General Specifications:**
1. Material: Stainless steel or powder-coated steel frame
2. Dimensions:
   - Length: 1800-2000 mm (70-78 in)
   - Width: 600-800 mm (24-32 in)
   - Height: 450-650 mm (18-26 in)
3. Weight capacity: 150-200 kg (330-440 lbs)
4. Color: White, stainless steel, or custom colors

**Frame and Construction:**
1. Frame material: 40-50 mm (1.6-2 in) diameter steel tubing
2. Frame thickness: 1.2-1.5 mm (0.05-0.06 in)
3. Joint type: Welded or bolted
4. Finish: Powder-coated or stainless steel

**Adjustment Mechanism:**
1. Type: Manual adjustment
2. Control: Handheld pendant or foot pedal
3. Adjustment range:
   - Height: 450-650 mm (18-26 in)
   - Backrest: 0-70°
   - Knee break: 0-30°

**Couch Top:**
1. Material: High-density foam or vinyl
2. Thickness: 50-100 mm (2-3.9 in)
3. Size: 1800x600 mm (70x24 in)

**4. EXAMINATION COUCH**

**General Specifications:**
- State-of-the-art, fully digital technology

- Portable and compact design
- Suitable for whole-body applications, including trans-abdominal examination

**Ultrasound Features:**
- Linear Array, Curved Array, and High-resolution Zoom scan formats
- Colour Doppler technology for enhanced imaging
- User-selectable acoustic output management

**Probe Specifications:**
- TAS (Transabdominal) and TVS (Transvaginal) probes
- Reusable cover for probes

**Technical Requirements:**
- Latest digital technology for optimal image quality
- Pin-less connector for easy probe connection
- User-friendly interface with handheld pendant or foot pedal control

## 5. SINGLE LED EXAMINATION LAMP

**General Specifications:**
1. Material: Durable, lightweight aluminum or stainless steel
2. Dimensions: 450-600 mm (18-24 in) diameter, 800-1200 mm (32-47 in) height
3. Weight: 5-10 kg (11-22 lbs)
4. Color: White or silver

**Light Source:**
1. Type: LED (Light Emitting Diode)
2. Number of LEDs: 20-50
3. Lumen output: 50,000-100,000 lux
4. Color temperature: 4000-5000K (cool white)
5. CRI (Color Rendering Index): ≥90

**Optical System:**
1. Reflector type: Elliptical or parabolic
2. Lens material: Borosilicate glass or polycarbonate
3. Lens diameter: 150-250 mm (6-10 in)
4. Focal length: 500-1000 mm (20-39 in)

**Adjustment and Movement:**
1. Arm type: Balanced, multi-jointed arm
2. Movement: 360° rotation, 120° tilt
3. Locking mechanism: Secure, easy-to-use locking system

**Electrical Specifications:**

1. Power consumption: 20-50W
2. Voltage: 100-240V AC, 50/60Hz
3. Certifications: UL, CE, FDA

## 6. OXYGEN CYLINDER

1. Size: K (formerly size "H")
   - Height: 51 inches (130 cm)
   - Diameter: 9 inches (23 cm)
   - Capacity: 700 liters (24.7 cu ft)
   - Weight: 150 pounds (68 kg)

## 7. MEDICAL DIAGNOSTIC KIT

**Contents:**

1. One Ophthalmoscope head, 24 diopter compensation lens
2. One Otoscope head, 3 reusable metal aural specula of 2.4, 3.2 and 4mm
3. Nasal Speculum expandable, bend arm illuminator, 2 Laryngeal mirrors No. 3 & 4, tongue blade holder, replacement lamp, packed in hard protective ABS case.

## 8. DH26 MINI 3-PART AUTO HEMATOLOGY ANALYZER

- Dimensions: 63 x 57 x 59 cm
- Number of Parameters: 27/21 parameters
- Test Speed: Up to 60 tests per hour
- Storage Capacity: Up to 50,000 test results
- Display: 10.4" TFT touch screen
- Reagents: Lyc-1, Lyc-2, Dil-C
- Sample Modes: Whole blood, capillary whole blood, and pre-diluted modes
- Warranty: At least 1 year.

## 9. AUTOCLAVE STEAM STERILIZER

- **General Specifications:**

1. Chamber size: 18 liters
2. Temperature range: 121-134°C (250-273°F)
3. Pressure range: 1-3 bar
4. Cycle time: 10-60 minutes
5. Power consumption: 3-20 Kw

## 10. INFRARED THERMOMETER

**General Specifications:**

1. Measurement Range: -50°C to 500°C (-58°F to 932°F)
2. Accuracy: ±1-2% of reading (depending on temperature range)
3. Resolution: 0.1°C (0.1°F)
4. Repeatability: ±0.5°C (±0.9°F)
5. Response Time: 1-3 seconds

**Optical Specifications:**

1. Wavelength: 8-14 µm (infrared)
2. Optical Resolution: 1:1 or 1:5 (distance-to-spot ratio)
3. Field of View (FOV): 1-5°

**Electrical Specifications:**

1. Power Supply: 1-2 AA batteries
2. Battery Life: 10-20 hours
3. Low Battery Indicator: Yes
4. Auto-Shutoff: Yes (after 10-30 seconds)

**Display Specifications:**

1. Display Type: LCD or LED
2. Display Resolution: 3-4 digits
3. Backlight: Optional
4. Unit Selection: °C/°F selectable

**Additional Features:**

1. Laser Pointer (for aiming)
2. Data Hold Function
3. Max/Min Temperature Recording
4. Alarm Function (high/low temperature)
5. Waterproof (IP54 or higher rating)

**Physical Specifications:**

1. Weight: 150-300 grams (5-10 oz)
2. Dimensions: 150-250 mm (6-10 in) length, 50-100 mm (2-4 in) width
3. Material: ABS or PC plastic

**Warranty:**

1. Warranty Period: 1-5 years

## 11. DIGITAL WEIGHING SCALE WITH HEIGHT MEASUREMENT

**General Specifications:**

1. Weight Measurement Range: 0-200 kg (440 lbs)
2. Weight Measurement Resolution: 0.1-0.5 kg (0.2-1.1 lbs)
3. Height Measurement Range: 60-200 cm (24-79 in)
4. Height Measurement Resolution: 0.1-1 cm (0.04-0.4 in)
5. Power Supply: 3-4 AA batteries or AC adapter

**Weight Measurement Features:**

1. Unit Selection: kg, lbs, st
2. Tare Function: Yes

3. Zero Reset: Yes
4. Auto-Zero: Yes
5. Overload Protection: Yes

**Height Measurement Features:**
1. Measurement Method: Electronic or Mechanical
2. Height Unit Selection: cm, in, ft
3. Stadiometer (Height Rod): Yes

**Display Specifications:**
1. Display Type: LCD or LED
2. Display Size: 3-5 inches
3. Backlight: Yes
4. Display Resolution: 3-4 digits

**Additional Features: (optional)**
1. Body Mass Index (BMI) Calculation
2. Body Fat Percentage Measurement
3. Data Storage: Up to 100 readings
4. USB or Bluetooth Connectivity

**Physical Specifications:**
1. Weight: 2-5 kg (4.4-11 lbs)
2. Dimensions: 30-40 cm x 30-40 cm x 5-10 cm (12-16 in x 12-16 in x 2-4 in)
3. Material: ABS or PC plastic

**Warranty**:
1. Warranty Period: 1-5 years.

## 12. NON-MERCURY LIQUID-IN-GLASS THERMOMETER

**General Specifications:**
1. Measurement Range: -20°C to 150°C (-4°F to 302°F)
2. Accuracy: ±0.5-1.0°C (±0.9-1.8°F)
3. Resolution: 0.1-1.0°C (0.1-1.0°F)
4. Response Time: 1-3 minutes
5. Material: Glass or quartz

**Liquid Fill Specifications:**
1. Liquid Fill: Galinstan (non-toxic, non-mercury liquid)
2. Liquid Column Diameter: 0.5-2.0 mm
3. Liquid Column Length: 100-300 mm

**Scale Specifications:**
1. Scale Type: Linear or circular

2. Scale Length: 200-300 mm
3. Scale Division: 0.1-1.0°C (0.1-1.0°F)
4. Scale Range: -20°C to 150°C (-4°F to 302°F)

**Physical Specifications:**
1. Length: 200-400 mm (8-16 in)
2. Diameter: 5-20 mm (0.2-0.8 in)
3. Weight: 50-200 grams (2-7 oz)
4. Material: Glass or quartz

## 13. STETHOSCOPE 3M LITTMAN CLASSIC III – ORIGINAL

**General Specifications:**
1. Type: Acoustic Stethoscope
2. Weight: 160-180 grams (5.6-6.3 oz)
3. Length: 69-77 cm (27-30 in)
4. Material: Latex-free, BPA-free, and phthalate-free

**Acoustic Performance:**
1. Frequency Response: 20-400 Hz (diaphragm), 20-100 Hz (bell)
2. Sound Quality: High-fidelity, clear and crisp sound
3. Sensitivity: High sensitivity for detecting faint sounds

**Diaphragm and Bell:**
1. Diaphragm Size: 4.4 cm (1.7 in) diameter
2. Bell Size: 3.3 cm (1.3 in) diameter
3. Diaphragm Material: Anodized aluminum
4. Bell Material: Stainless steel

**Ear Tips and Tubing:**
1. Ear Tips: Soft-sealing, latex-free ear tips (available in 5 sizes)
2. Tubing Material: Flexible, latex-free tubing
3. Tubing Length: 69-77 cm (27-30 in)

**Other Features:**
1. Chest Piece: Dual-sided, with diaphragm and bell
2. Stem: Flexible, rotating stem
3. Ergonomic Design: Comfortable, ergonomic design for extended use
4. Durability: Durable construction, resistant to corrosion

**Warranty:**
1. 5-year warranty

## 14. SICK BED WITH MATTRESS

- **Dimensions:**
  - Sleeping surface: 200 x 84-90 cm
  - Height of surface without mattress: 50 cm
  - Mattress height: 11-12 cm
  - Bed frame: 5-7 x 3 cm, 1.7-2 mm thickness
  - Leg frame: 3 cm x 2.0 mm thickness
  - Swivel castor wheels: 3 x 12.5 cm diameter
- **Materials:**
  - Frame: Epoxy-coated tubular steel
  - Mattress: High-density polyurethane foam, density 28-30 kg/m3
  - Cover: Plastic, flexible, highly tear-resistant, anti-static, flame-retardant, non-absorbing, waterproof, and cleanable with hospital-grade disinfection products
- **Features:**
  - Manually operated crank for adjusting backrest (up to 80 degrees), leg section, and foot section (up to 30-40 degrees)
  - Adjustable and removable folding side rails
  - Protective bumpers at all four corners
  - Transfer bars connecting lower distal portions of the two foot-end and two head-end legs for maximal structural strength
- **Capacity:** Minimum 150 kg carrying capacity

## 15. SMALL SIZE MEDICINE TABLE

**Dimensions:**

1. Length: 800-1200 mm (32-47 in)
2. Width: 500-800 mm (20-32 in)
3. Height: 900-1200 mm (35-47 in)
4. Top surface area (each tier): 0.4-0.8 $m^2$ (4-9 $ft^2$)

**Materials:**

1. Frame: Stainless steel, aluminum, or powder-coated steel
2. Top surfaces: Stainless steel, glass, or high-pressure laminate (HPL)
3. Shelves: Adjustable, removable, and made of same material as top surface
4. Casters: Heavy-duty, swivel, and lockable

**Features:**

1. Two-tier design for maximize storage
2. Adjustable shelf height (each tier)
3. Integrated IV pole with multiple hooks (optional)
4. Push-handle: Ergonomic, height-adjustable, and foldable
5. Brake system: Central locking or individual caster brakes

**Load Capacity:**

1. Top tier: 30-50 kg (66-110 lbs)
2. Bottom tier: 40-70 kg (88-154 lbs)

**Physical Characteristics:**

1. Weight: 40-70 kg (88-154 lbs)
2. Color: stainless steel, white, or gray.
3. Finish: Powder-coated, epoxy-coated, or polished.

**Compatibility:**

1. Suitable for hospital, clinic, or healthcare facility use

## 16. NON-INFECTIOUS MEDICAL WASTE BASKET

**Dimensions:**

1. Height: 40-60 cm (16-24 in)
2. Diameter/Width: 30-40 cm (12-16 in)
3. Depth: 20-30 cm (8-12 in)
4. Volume: 10-30 liters (2.6-7.9 gallons)

**Materials:**

1. Body: Plastic (HDPE, PP, or PVC)
2. Lid: Plastic (HDPE, PP, or PVC)
3. Handles: Plastic or metal
4. Liner: plastic

**Features:**

1. Foot-operated lid
2. Leak-proof and spill-proof design
3. Color-coded (typically yellow or gray)
4. Label holder for identification

## 17. MANUAL WHEELCHAIR

**Dimensions:**

1. Overall Length: 100-120 cm (39-47 in)
2. Overall Width: 60-70 cm (24-28 in)
3. Seat Width: 40-50 cm (16-20 in)
4. Seat Depth: 40-50 cm (16-20 in)
5. Height (seat to floor): 50-60 cm (20-24 in)
6. Wheelbase: 70-90 cm (28-35 in)

**Weight Capacity:**

1. Standard: 100-150 kg (220-330 lbs)
2. Heavy-duty: 150-250 kg (330-550 lbs)
3. Bariatric: 250-350 kg (550-770 lbs)

**Frame and Materials:**

1. Frame: Steel, aluminum, or titanium
2. Material thickness: 1-2 mm (0.04-0.08 in)
3. Finish: Powder-coated, chrome-plated, or anodized

**Wheels and Casters:**

1. Rear wheels: 24-26 inches (61-66 cm) diameter
2. Front casters: 8-10 inches (20-25 cm) diameter
3. Tire type: Pneumatic or solid

**Braking System:**

1. Manual brakes: Lever-activated or push/pull-type
2. Parking brakes: Optional

**Seat and Backrest:**

1. Seat cushion: Optional
2. Backrest height: Adjustable
3. Armrests: adjustable

**Foldability:**

1. Folded dimensions: 30-40 cm x 70-90 cm x 20-30 cm (12-16 in x 28-35 in x 8-12 in)
2. Weight: 15-25 kg (33-55 lbs)

## 18. RESUSCITATOR

**Types of Resuscitators:**

- Manual resuscitator (also known as Bag Valve Mask or BVM)

**Key Features:**

- Self-inflating ventilation bag with a capacity of 1,600ml
- Ventilation can be done with ambient air or with oxygen
- Inlet valve with standard ISO 30mm male connector
- Expiration connector: standard ISO 30mm male

## 19. MEDICAL DRIP STAND WITH WHEELS

**Dimensions**

1. Height: 150-200 cm (59-79 in)
2. Width: 40-60 cm (16-24 in)
3. Depth: 40-60 cm (16-24 in)
4. Base diameter: 60-80 cm (24-32 in)

**Materials:**

1. Frame: Stainless steel, aluminum, or powder-coated steel
2. Columns and arms: Stainless steel or aluminum

3. Wheels: Rubber or polyurethane

**Features:**

1. Adjustable height and angle
2. Multiple hooks for IV bags or bottles
3. Swivel arms for easy positioning
4. Locking mechanism for secure positioning
5. Smooth-rolling wheels with brakes

**Load Capacity:**

1. Maximum weight capacity: 20-50 kg (44-110 lbs)
2. Number of IV bags/bottles: 2-6

**20. DIGITAL BLOOD PRESSURE MONITOR**

- **Dimensions:** at least 138 x 98 x 48 mm in size and 211 grams in weight.
- **Display Type:** Large, easy-to-read LCD display.
- **Measuring Range:** 0 to 300 mm Hg.
- **Accuracy:** Within ±3 mm Hg.
- **Power Source:** Battery-powered, with auto power-off function.
- **Memory:** Can store up to 120 readings with date and time, and average of the last three measurements.
- **Cuff Size:** Adjustable, typically fitting arms with a circumference of 22-36 cm.

**21. METAL DRUG SHELF (1.2m x 2.4m x 0.6m) WITH 2 LOCKABLE DOORS**

**Dimensions:**

1. Height: 2100 mm (83 in)
2. Width: 1200 mm (47 in)
3. Depth: 600 mm (24 in)
4. Shelf depth: 300-500 mm (12-20 in)

**Materials:**

1. Frame: Powder-coated steel or stainless steel
2. Shelves: Adjustable, made of steel or aluminum
3. Doors: Double wing, made of steel or aluminum
4. Lock: Keyed lock.

**Features:**

1. Multiple adjustable shelves
2. Locking doors for secure storage
3. Label holder for easy identification
4. Integrated handle for easy opening
5. Leveling feet for stability

**Capacity:**

1. Weight capacity: 100-200 kg (220-440 lbs) per shelf
2. Storage capacity: 100-500 liters (3.5-17.7 cu. ft.)