



**Biomedical Engineering Department
Indira Gandhi Memorial Hospital
Male', Republic of Maldives**

**Medical Trolley
Technical Specification**

1. PROCEDURE TROLLEY

Category: Clinical Utility Furniture

Intended Use: Support for minor procedures, dressing changes, and bedside clinical interventions.

Construction

- Stainless steel (minimum grade 304) frame and shelves
- Seamless, easy-to-clean surfaces
- Corrosion-resistant finish
- Welded or reinforced structure for stability

Top Surface

- Flat working surface with raised edges on three sides
- Optional removable stainless steel tray

Shelving

- Two or three-tier configuration
- Load-bearing capacity suitable for clinical instruments and consumables

Mobility

- Four swivel castors (minimum 100 mm diameter)
- At least two castors with locking mechanism
- Non-marking, medical-grade wheels

Dimensions (Approximate)

- Length: 600–800 mm
- Width: 400–500 mm

- Height: 800–900 mm

Hygiene & Safety

- Smooth rounded corners
 - Easy disinfection compatibility (alcohol/chlorine-based disinfectants)
 - No sharp edges
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2. INSTRUMENT TROLLEY

Category: Surgical / Clinical Instrument Support Furniture

Intended Use: Holding sterile instruments during procedures in OT, ICU, ER, or minor procedure rooms.

Construction

- High-grade stainless steel (minimum 304)
- Height-adjustable frame (manual or hydraulic)
- Stable base with reinforced support structure

Top Tray

- Removable stainless steel tray
- Raised edges to prevent instrument slippage
- Autoclavable tray preferred

Height Adjustment

- Adjustable height range approximately 800–1200 mm
- Smooth and secure locking mechanism

Mobility

- Four anti-static swivel castors
- At least two lockable wheels

Load Capacity

- Suitable for standard surgical instrument sets

Hygiene

- Fully washable design
- Compatible with hospital disinfectants

3. BED BATH TROLLEY

Category: Patient Hygiene Support Equipment

Intended Use: Transport and organization of bathing supplies for inpatient care.

Construction

- Stainless steel or high-impact polymer body
- Corrosion-resistant frame
- Waterproof shelves

Configuration

- Multiple compartments for towels, linen, and bathing supplies
- Integrated basin holder (minimum one removable basin)
- Optional waste bin holder

Shelving

- Two or three shelves with raised edges
- Drainage-friendly design

Mobility

- Four swivel castors
- Minimum two locking castors
- Smooth rolling and stable movement

Dimensions (Approximate)

- Length: 700–900 mm
- Width: 450–600 mm
- Height: 850–950 mm

Hygiene & Safety

- Easy-clean surfaces
- Rounded edges
- Compatible with standard hospital disinfectants