

Requirement and Specifications

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Technical specification (Category 1)

1. Wheelchair

PRODUCT: FOLDABLE WHEELCHAIR

GENERAL SPECIFICATION

- The type should be foldable.
- Single cross bar.
- Chromed steel frame.
- Fixed armrest, PVC pad.
- Fixed footrest, flip-up plate with leg strap.
- Locking brakes on rear wheels.
- Large pocket on the back.
- Dimensions: 1030 x 650 x 960mm
- Front wheel size: 8"
- Rear wheel size: 12"
- Seat width: 460mm
- Seat depth: 410mm
- Back height: 450mm
- **Material: Steel.**
- **Safe User weight: 120 kg**



2. Examination couch

PRODUCT: EXAMINATION COUCH WITH STORAGE CABINET AND DRAWER

GENERAL SPECIFICATION

- The material must be Steel constructed with epoxy powder coating.
- The mattress must be made up of PU foam with Thickness: 65-75mm
- Each bed must be quoted with a mattress of suitable dimensions.
 - (Mattress details must be provided during proposal submission)
- The couch must be supplied with footstep.

PHYSICAL CHARACTERISTICS

Approximate Dimensions (L*W*H)	1850mm x 560mm x 830mm
Minimum Number of drawers	2
Paper roll holder	Standard Supply
Back rest adjustment	Gas Spring
Backrest angle	Adjustable
Minimum Number of Cabinets	1
Safe Working Load (SWL)	150 -200 kg.
SS tray	Optional
Footstep	Standard Supply

SAFETY STANDARD AND TRAINING

- Manufacturer should have ISO certification for quality standards.

ADDITIONAL CONDITIONS

- The unit should be supplied with a minimum warranty of 1 years from the date of completion of satisfactory installation. The warranty must cover each and every part of the product.
- Original catalogue with detailed literature should be provided.



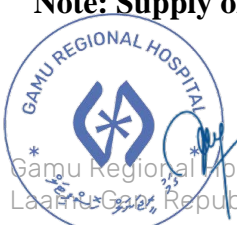
3. Hospital bed 3 sections (Electrical)

PRODUCT: HOSPITAL BED (MOTORIZED)

GENERAL SPECIFICATION

- Should have Linear actuators with IPX6 protection.
- Should have at least 3 section adjustments (height, backrest, knee-rest)
- The whole chart should be made up of high resistance steel with epoxy coating to ensure durability and resistance.
- Shall have manual emergency CPR.
- All positions shall be operated by electromechanical adjustment through a hand set; The hand set should have indications for power On.
- Bed shall have Side rail embedded patient control.
- Bed shall have three section high pressure laminated (HPL) top. It can have detachable laminated top for back section and leg section for ease of cleaning.
- The backrest section can be X-ray transparent.
- Bed shall have side rails with hand grip zone made up of polypropylene, with gas spring for folding.
- Should have easily removable head and foot panels made up of high-quality polypropylene with locking system.
- Should have protection bumpers in all corners, accessory sockets.
- Should have hooks on bed frame on both side for holding urine / drainage bag (at least 4 Nos. in each bed)
- Should have infusion rods which have adjustable heights, quick release and attaches to all corners of bed. Each bed should be supplied with at least 1 no. good quality telescopic I.V. rod.
- Each bed must be quoted with mattress of suitable dimensions.
- (Mattress details must be provided during proposal submission)
- Mattress should be made of high-quality P.U foam with stain resistant cover (washable) and zip.
- The mattress must be made of high-density PU foam of 12cm thickness with Anti-Microbial agent incorporated into all components. Mattress can be fully radiolucent for ease in performing X-rays.
- Bed shall be mounted on dual tread non rusting Casters wheels (125 or 150 mm) with central braking system (or) breaks on adjacent two wheels. Castor should be made from high grade non floor staining synthetic material. Wheel center should have precision ball bearing to run smoothly.

Note: Supply of suitable mattresses is mandatory.



PHYSICAL CHARACTERISTICS (approximate)	
Overall length with headboard and footboard	2155-2240mm
Total Width with side rails	980-1060mm.
Min./Max height of bed base (without mattress)	410 mm. / 810 mm.
Angle of backrest	0-70 °
Angle of leg rest+ tilting	0-45°
Trend / Reverse trend angles	-15° ~ +15°
Safe Working Load (SWL)	150-200 kg.

POWER SUPPLY REQUIREMENT

- Power input to be 220-240 VAC, 50Hz fitted with UK Plug.

SAFETY STANDARD AND TRAINING

- Should be FDA, CE, UL or BIS approved product.
- Manufacturer should have ISO certification for quality standards.
- Electric Shock Protection: Class 1 /Type B
- Comprehensive training for Operator and Services Support for In- House Biomedical Engineer.
- Availability Spare parts and all other accessories must be for 10 years.

DOCUMENTATION

- Certificate of calibration and inspection.
- List of important spare parts and accessories with part number and costing.
- Detailed service manual and operation manual should be provided by the supplier or manufacturer.
- Original catalogue with detailed literature should be provided.
- Authorization letter from the manufacturer.

ADDITIONAL CONDITIONS

- A written commitment for maintenance during and after the warranty period.
- Manufacturer/Supplier should install and successfully run and demonstrate the product.
- The unit should be supplied with a minimum warranty of 1 year from the date of completion of satisfactory installation. The warranty must cover each and every part of the product.



4. Hospital bed (Manual)

PRODUCT: HOSPITAL BED -MANUAL

GENERAL SPECIFICATION

- The whole chart should be made up of high resistance steel with epoxy coating to ensure durability and resistance.
- Shall have the following manual adjustments (Height, backrest, knee-rest Trendelenburg/Reverse Trendelenburg)
- Shall have manual emergency CPR.
- All positions shall be operated by means of cranking system, preferably foldable hand cranks.
- The bed base shall be divided in two sections, one fix and another mobile (backrest) that is articulated by a screw, or in four sections (backrest and thighs) by two screws.
- The backrest section shall be radiolucent.
- Polypropylene made side rails with grip zone and folding system by gas spring.
- Shall have easily removable head and foot panels made up of high-quality polypropylene with four corner buffers and accessory sockets.
- Should have hooks on bed frame on both side for holding urine / nasogastric bags, are provided on both sides of the bed.
- Should have infusion rods which have adjustable heights, quick release and attaches to all corners of bed. Each bed should be supplied with at least 1 no. good quality telescopic I.V. rod.
- Shall have side arches for mattress retention.
- Each bed must be quoted with mattress of suitable dimensions.
 - (Mattress details must be provided during proposal submission)
- Mattress should be made of high-quality P.U foam with stain resistant cover (washable) and zip.
- The mattress must be made of high-density PU foam of 12cm thickness with Anti-Microbial agent incorporated into all components. Mattress shall be fully radiolucent for ease in performing X-rays.
- Bed shall be mounted on dual tread non rusting Casters wheels (125 mm) with central braking system (or) breaks on adjacent two wheels.
- The unit should be supplied with a minimum warranty of 1 year from the date of completion of satisfactory installation. The warranty must cover each and every part of the product.

Note: Supply of suitable mattress is mandatory.



PHYSICAL CHARECTERISTICS (approximate)	
The length with headboard and footboard	2250 mm. \pm 10 mm
The width with rails	970 mm. \pm 10 mm
Bed base height (without mattress)	555 mm. \pm 10 mm
Wheels diameter	150 mm
Head angle	0-70°
Knee section adjustable	0° to 40°
Trendelenburg	0° to 12°
Reverse Trendelenburg	0° to 12°
Minimum Safe Working Load (SWL)	180-200 kg.
Crane passing clearance	170mm

STANDARD ACCESSORIES

- Mattress x1
- Iv stand x1

SAFETY STANDARD AND TRAINING

- Manufacturer should have ISO certification for quality standards.

DOCUMENTATION

- Original product catalogue with detailed literature should be provided.



Technical specification (Category 2)

5. Birthing bed

PRODUCT: BIRTHING BED

GENERAL SPECIFICATION

Clinical Purpose:

Table for obstetric labor (LDR) is specifically designed to support the mother during all stages of giving birth that includes labor, delivery and recovery. The bed should convert quickly from a practical labor bed to a delivery platform and back to a comfortable recovery bed. Any stage, can be rapidly adjusted to any positions to cater for emergency situations.

Delivery Bed Should have following essential specifications:

PHYSICAL DIMENSIONS	
1. Overall length with footboard and headboard.	1. 2130 mm. \pm 10 mm.
2. Overall length - obstetric mode	2. 1580 mm \pm 10mm (approx.)
3. Overall width with side rails	3. 990 mm. \pm 10 mm.
4. Deck height range – (Twin central locking castors 150mm)	4. 480 mm. to 850 mm. \pm 10 mm (approx.)
5. Backrest max. angle	5. 0-70°
6. Trend / Reverse trend tilt.	6. 14° / 16° \pm 5
7. Mattress length (seat and backrest section)	7. 1350 mm(L)
8. Leg section Mattress length.	8. 750 mm (L)
9. Mattress Width.	9. 850 mm (W)
10. Caster wheels.	10. 150mm
Minimum Safe Working Load (SWL)	200 kg.

- The Bed can have fully integrated patient and nurse control panels for easy operation.
- Should have Manual or electrical emergency CPR.
- Prefer to have IP66 protection linear actuators.
- It should have control devise for making headrest, height, backrest, Trendelenburg /Reverse Trendelenburg adjustments.
- Headboard, footboard and side rails made of high quality and durable polypropylene.

- Bed should have three section high pressure laminated (HPL) top. It should have detachable laminated top for back section and leg section for ease of cleaning.
- Leg section should be telescoped under backrest for lithotomy position.
- Frame should be made of steel, which should be pre-treated and powder coated.
- Bed shall have swing down type side railings; railings shall be made from non-rusting polymer molded material.
- It shall have three sectional mattress and seat section should have large perineal cut.
- Mattress should be made of high resilience high quality P.U foam with stain resistant cover and zip.
- Should have a pair of bearing down patient grab handle with PVC covers and with location adjustability for patient convenience.
- All positions should be operated by electromechanical adjustment through a hand set; battery backup with inbuilt battery charger can be provided. The hand set should have indications for power on and the battery charge.
- It should have polymer molded easily detachable head and foot side panels. It should have four corner rubber buffers.
- Bed should be mounted on dual tread non rusting Casters wheels (150 mm) with central braking system. Castor should be made from high grade non floor staining synthetic material. Wheel center should have precision ball bearing to run smoothly.
- Should have infusion rods which have adjustable heights, quick release and attaches to all corners of bed.
- Should have Plastic protection bumpers, accessory sockets.
- Should have sliding waste collection bowl at perineal part of table.
- It should have adjustable foot supports for nursing staff.
- Prefer to have Battery backup.

Note: Supply of suitable mattress is mandatory.

STANDARD ACCESSORIES

- Under tray
- Grab handles
- Footrest plate
- Upper and lower leg supports
- Leg stirrups
- Mattress sections

POWER SUPPLY REQUIREMENT

- Power input to be 220-240 VAC, 50Hz fitted with UK Plug.



6. Psychiatric bed

Product: **Psychiatric Care Restraint Bed with Mattress**

GENERAL SPECIFICATION

- The whole chart should be made up of high resistance steel with epoxy coating to ensure durability and resistance.
- Should have holes for restraint belts in each segment of the mattress base.
- Shall have the following manual adjustments (back section, knee section Trendelenburg/Reverse Trendelenburg)
- All positions shall be operated by means of cranking system, preferably foldable hand cranks.
- The bed base shall be fixed and divided in two sections.
- Shall have collapsible handrails.
- Shall have side arches for mattress retention, accessories support, safety bumpers.
- Head/foot boards cannot be removed without tools.
- Each bed must be quoted with mattress of suitable dimensions.
 - **(Mattress details must be provided during proposal submission)**
- Mattress should be made of high-quality P.U foam with stain resistant cover (washable) and zip.
- The mattress must be made of high-density PU foam of 12cm thickness with Anti-Microbial agent incorporated into all components. Mattress shall be fully radiolucent for ease in performing X-rays.
- Bed shall be mounted on dual tread non rusting Casters wheels with individual braking system.
- The unit should be supplied with a minimum warranty of 1 year from the date of completion of satisfactory installation. The warranty must cover each and every part of the product.

PHYSICAL CHARACTERISTICS (approximate)	
Total length with headboard and footboard	2070 mm.
Total width with rails	1020 mm
Fixed height	560 mm
Total bed base length	1900 mm
Angle of backrest	0-70°
Trend / Reverse trend angles	-12 °/12 °
Foot section	0-40°
Safe working load (SWL)	230 kg

SAFETY STANDARD AND TRAINING

- Manufacturer should have ISO certification for quality standards.

DOCUMENTATION

- Original product catalogue with detailed literature should be provided.

