

Medical Furniture

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Bed Mattress

No.	Specifications
1	Description of Function
1.1	Mattress is to provide a comfortable platform to rest or sleep upon the bed.
2	Operational Requirements
2.1	A mattress for hospital bed.
3	System Configuration
3.1	Hospital Mattress, two sections.
4	Technical Specifications
4.1	The mattress negotiable with hospital beds having an overall approximate dimension of not less than 1980mm length, 910mm width.
4.2	It shall be fire retardant antibacterial treated high density approx. 40kg/m3 PU foam mattress.
4.3	The mattress shall have thickness of at least 100mm.
4.4	Mattress with two sections shall be designed to bend with the positioning of the bed when the backrest and foot section of the bed are adjusted.
4.5	The weight capacity of the mattress shall be more than 100kg.
4.6	Mattress Cover:
	The mattress shall come with a zipped fire retardant antibacterial, antistatic, acid resistance, waterproof and washable vinyl or vinylized nylon cover. It shall be designed to provide ventilating airflow over the patient's skin. The zip shall be a heavy-duty/large toothed synthetic zipper to enable inspection of the inner foam and totally covered by a flap extending over the zip to prevent ingress of fluids into the actual mattress and allow for replacement.
5	Operating Environment
5.1	The product offered shall be designed to be stored and to operate normally under Climate, Temperature, Humidity, etc. for Sudan.
6	Warranty
6.1	Comprehensive warranty for 2 years after acceptance.
7	Maintenance Service During Warranty Period
7.1	During the warranty period supplier must ensure corrective/breakdown maintenance whenever required.

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Drug Trolley

No.	Item Specifications
1	Frame work made of Stainless Steel/ABS. All SS components should be of 304 grade quality.
1.1	Side dust basket
2	Multiple drawers (minimum 6) with telescopic channels, below the platform
2.1	Minimum 6 small boxes to keep drugs at eye level.
3	Minimum one shelf to keep additional items.
3.1	Provided with atraumatic corner buffers & rails
4	Provision for hanging one IV fluid bottle.
4.1	Noiseless four castor wheels of minimum 3" dia., two wheels with brakes
5	Size: Approx 900 mm X 450 mm X 60 mm(HxWxL)
6	Operating Environment
6.1	The product offered shall be designed to be stored and to operate normally under Climate, Temperature, Humidity, etc. for Sudan.
7	Warranty
7.1	Comprehensive warranty for 2 years after acceptance.
8	Maintenance Service During Warranty Period
8.1	During the warranty period supplier must ensure corrective/breakdown maintenance whenever required.

Couch

No.	Item Specifications
1	Description of Function
1.1	Examination couch for use of health checkup and treatment of patients.
2	Operational Requirements
2.1	An examination couch with upholstered top in two pieces. Adjustable headrest on gas spring.
3	System Configuration
3.1	Examination couch with mattress.
4	Technical Specifications
4.1	The examination couch shall be made of a solid steel sheet and plate construction with anti-corrosive and antirust treated epoxy powder coating with upholstered top.
4.2	All 4 legs of the bed shall be capped with heavy duty rubber footings.
4.3	Overall size of the table must not be less than 1890mm L x 600mm W x 825mm H
4.4	Strong Mild steel tubular construction epoxy powder coated treated. The top base of machine pressed double bent Mild steel sheet epoxy powder coated treated finish
4.5	Gas spring assisted adjustable backrest of approx. size 450mm L x 310mm H with upholstered top.
4.7	Swinging tray must be attached near headrest for BP apparatus and/or other health checkup minor equipment.
4.8	The mattress shall be foldable and shall be designed to bend with the positioning of the bed when the backrest of the bed is adjusted.
4.9	Bidder shall indicate the weight capacity and the total weight of the mattress in kilogram (kg)
4.10	The mattress shall have mid-firmness, with foam density of approximately 0.55kg/ cubic foot, to avoid that the patient would sink down into foam with antibacterial, antistatic, acid resistance, waterproof and washable vinyl or vinylized nylon cover.
4.11	The joints must be smooth and neat finish.
5	Accessories, spares and consumables
5.1	All standard accessories/consumables/parts required for the proper operation of the above item shall be included in the offer, the quantity and details of any items included in this offer which have not been specified in this Technical Specifications Form.
6	Operating Environment
6.1	The product offered shall be designed to be stored and to operate normally under Climate, Temperature, Humidity, etc. for Sudan.
7	Warranty
7.1	Comprehensive warranty for 2 years after acceptance.
8	Maintenance Service During Warranty Period
8.1	During the warranty period supplier must ensure corrective/breakdown maintenance whenever required.

Examination Screen (Wing)

No.	Specifications
1	Description of Function
1.1	A patient screen is widely used in hospitals when the doctor examines a patient in his private chamber or in the patient's room in the hospitals. The screen can also be used in the operation room or the changing room of the doctors and nurses.
2	Operational Requirements
2.1	Epoxy powder coated or Better , three fold patient screen.
3	System Configuration
3.1	Patient Screen with light blue curtain and fully swivels twin wheel castors.
4	Technical Specifications
4.1	Three fold ward screen approx. total size 2450 w x 1650 h mm in three sections.
4.2	Mild steel tubular construction with epoxy powder coated or better treated in three section 600mm span width at each side and 1210 mm span width in the middle) and mounted on wide spaced legs for each section, and each foot to have two swivel castors size 50mm.

4.3	To be supplied with hooks, springs and heavy duty curtain, firmly attached at sides, top and bottom. Curtain must have no gaps between sections
5	Accessories, spares and consumables
5.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).
6	Operating Environment
6.1	The product offered shall be designed to be stored and to operate normally under the conditions. The conditions include Climate, Temperature, Humidity, etc.
7	Warranty
7.1	Comprehensive warranty for 2 years after acceptance.

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I.V Stand

No.	Item Specifications
1	Description of Function
1.1	This IV/saline stand is used for hanging various intravenous items such as blood bag, glucose bottle etc.
2	Operational Requirements
2.1	Epoxy powder coated IV/Saline stand with castors.
3	System Configuration
3.1	Adjustable IV/saline stand with five legs, with 4 hooks and five swivels castors.
4	Technical Specifications
4.1	The IV stand shall be made of tubular anti-corrosive and antirust treated epoxy powder coated mild steel, with a 5 pronged base fitted on mobile on swivelling castors of approx. diameter Ø50mm. The castors must be non-rusting and non-marking.
4.2	The stand should come with stainless steel double IV hook, height adjustable from approximately 1620mm to 2340mm, with a screw knob for height adjustment.
5	Operating Environment
5.1	The product offered shall be designed to be stored and to operate normally under the conditions. The conditions include Climate, Temperature, Humidity, etc.
6	Warranty
6.1	Comprehensive warranty for 2 years after acceptance.

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Instrument Trolley

No.	Item Specifications
1	Description of Function
1.1	It is an instrument trolley for laying out surgical instruments in the operation theatre.
2	Operational Requirements
2.1	Stainless steel instrument trolley with swivel castors.
3	System Configuration
3.1	Instrument trolley with two shelves, railings, SS bowl, four swivels castors.
4	Technical Specifications
4.1	It shall be constructed fully with 304 grade stainless steel sheet and tube or better.
4.2	Overall size: approximately 860 H x 460 W x 760 L mm
4.3	It shall be have 2 tiers of grade 304 stainless steel shelves, top approx. at 880mm and lower shelf at 400mm.
4.4	On three sides of shelves 20 mm upright lips/rail. Fourth side to have turned down edge
4.5	Shall be mobile on 4 x 50mm diameter (approx.) robust 360 deg. swivel castors with non-marking grey tyres and with at least 2 diagonal castors shall have brakes
5	Accessories, spares and consumables
5.1	Accessories:
	☐ SS bowl 1no.
6	Operating Environment

6.1	The product offered shall be designed to be stored and to operate normally under the conditions. The conditions include Climate, Temperature, Humidity, etc.
7	Warranty
7.1	Warranty for 2 year after acceptance.

Medical Bed With Mattress (One Movement)

No.	Item Specifications
1	Description of Function
1.1	A hospital bed is a bed specially designed for hospitalized patients in need of patient ease. These beds have special features both for the comfort and well-being of the patient and for the convenience of hospital staff.
1.2	Mattress is to provide a comfortable platform to rest or sleep upon the bed.
2	Operational Requirements
2.1	The patient bed shall be made of solid steel construction with anti-corrosive and antirust treated baked hard epoxy powder coating
3	System Configuration
3.1	Hospital Bed epoxy powder coated
4	Technical Specifications
4.1	Bed base shall be anti-corrosive and antirust treated epoxy powder coated welded steel bar or epoxy powder coated 18G perforated sheet top to improve ventilation.
4.2	The patient bed shall be fixed height with 2 sections where the backrest section could be elevated by mechanical hand crank located at the foot-end of the bed.
4.3	Shall have 4 IV rod receptacles and mosquito net pole receptacles at the 4 corners
4.4	It shall come with one dual hook anti-corrosive and antirust treated epoxy powder coated or 304 grade stainless steel IV rod.
4.5	Shall have provisions to fix urinary bag on both sides.
4.6	All 4 legs of the locker shall be capped with heavy duty rubber footings.
4.7	Bedhead and foot-end panel (head and foot bows) shall be made of either between 4-6 anti-corrosive and antirust treated epoxy powder coated vertical tubular tube of not less than 30mm in diameter or epoxy powder coated steel panel
4.8	Both bedhead and foot-end panel shall be detachable.
4.9	The height of the bedhead panel: not less than 1060mm from floor.
4.10	The height of the foot-end panel: not less than 820mm from floor.
4.11	Overall approximate dimension: not less than 1980mm length, 910mm width, 600mm height
4.12	The mattress negotiable with hospital beds having an overall approximate dimension of not less than 1980mm length, 910mm width.
4.13	It shall be fire retardant antibacterial treated high density approx. 40kg/m ³ PU foam mattress.
4.14	The mattress shall have thickness of at least 100mm.
4.15	Mattress with two sections shall be designed to bend with the positioning of the bed when the backrest and foot section of the bed are adjusted.
4.16	The weight capacity of the mattress shall be more than 100kg.
4.17	Mattress Cover:
	The mattress shall come with a zipped fire retardant antibacterial, antistatic, acid resistance, waterproof and washable vinyl or vinylized nylon cover. It shall be designed to provide ventilating airflow over the patient's skin. The zip shall be a heavy-duty/large toothed synthetic zipper to enable inspection of the inner foam and totally covered by a flap extending over the zip to prevent ingress of fluids into the actual mattress and allow for replacement.
5	System Configuration Accessories, spares and consumables
5.1	All standard accessories/consumables/parts required for the proper operation of the above item shall be included in the offer. Bidders shall specify, in a separate Excel worksheet, the quantity and details of any items included in this offer which have not been specified in this Technical Specifications Form.
6	Operating Environment

6.1	The system offered shall be designed to store and to operate normally under the conditions. The conditions include Climate, Temperature, Humidity, etc.
7	Warranty
7.1	Warranty for 2 years.

Medical Bed With Mattress (Two Movement)

No.	Item Specifications
1	Description of Function
1.1	A hospital bed is a bed specially designed for hospitalized patients in need of patient ease. These beds have special features both for the comfort and well-being of the patient and for the convenience of hospital staff.
1.2	Mattress is to provide a comfortable platform to rest or sleep upon the bed.
2	Operational Requirements
2.1	The patient bed shall be made of solid steel construction with anti-corrosive and antirust treated baked hard epoxy powder coating
3	System Configuration
3.1	Hospital Bed epoxy powder coated
4	Technical Specifications
4.1	Bed base shall be anti-corrosive and antirust treated epoxy powder coated welded steel bar or epoxy powder coated 18G perforated sheet top to improve ventilation.
4.2	The patient bed shall be fixed height with 3 sections where the backrest section could be elevated by mechanical hand crank located at the foot-end of the bed.
4.3	Shall have 4 IV rod receptacles and mosquito net pole receptacles at the 4 corners
4.4	It shall come with one dual hook anti-corrosive and antirust treated epoxy powder coated or 304 grade stainless steel IV rod.
4.5	Shall have provisions to fix urinary bag on both sides.
4.6	All 4 legs of the locker shall be capped with heavy duty rubber footings.
4.7	Bedhead and foot-end panel (head and foot bows) shall be made of either between 4-6 anti-corrosive and antirust treated epoxy powder coated vertical tubular tube of not less than 30mm in diameter or epoxy powder coated steel panel
4.8	Both bedhead and foot-end panel shall be detachable.
4.9	The height of the bedhead panel: not less than 1060mm from floor.
4.10	The height of the foot-end panel: not less than 820mm from floor.
4.11	Overall approximate dimension: not less than 1980mm length, 910mm width, 600mm height
4.12	The mattress negotiable with hospital beds having an overall approximate dimension of not less than 1980mm length, 910mm width.
4.13	It shall be fire retardant antibacterial treated high density approx. 40kg/m ³ PU foam mattress.
4.14	The mattress shall have thickness of at least 100mm.
4.15	Mattress with two sections shall be designed to bend with the positioning of the bed when the backrest and foot section of the bed are adjusted.
4.16	The weight capacity of the mattress shall be more than 100kg.
4.17	Mattress Cover:
	The mattress shall come with a zipped fire retardant antibacterial, antistatic, acid resistance, waterproof and washable vinyl or vinylized nylon cover. It shall be designed to provide ventilating airflow over the patient's skin. The zip shall be a heavy-duty/large toothed synthetic zipper to enable inspection of the inner foam and totally covered by a flap extending over the zip to prevent ingress of fluids into the actual mattress and allow for replacement.
5	System Configuration Accessories, spares and consumables
5.1	All standard accessories/consumables/parts required for the proper operation of the above item shall be included in the offer. Bidders shall specify, in a separate Excel worksheet, the quantity and details of any items included in this offer which have not been specified in this Technical Specifications Form.
6	Operating Environment

6.1	The system offered shall be designed to store and to operate normally under the conditions. The conditions include Climate, Temperature, Humidity, etc.
7	Warranty
7.1	Warranty for 2 years.

Stretcher With Trolley (Patient Trolley)

No.	Item Specifications
1	Description of Function
1.1	A trolley for transportation of a patient in the hospital.
2	Operational Requirements
2.1	It shall be constructed fully with anti-corrosive and antirust treated epoxy powder coated steel sheet and tube or better.
3	System Configuration
3.1	Patient trolley with handles and four swivels castors.
4	Technical Specifications
4.1	Overall size: approximately 2030 L x 560 W x 820 H mm
4.2	Welded tubular frame with box type pattern construction.
4.3	Dished shaped top, push handles to be fitted at both ends. The dished shaped top surface shall be smooth and corrosive and rust resistance.
4.4	Shall be mobile on 4 x 200mm robust swivelling castors with non-marking grey tyres and with at least 2 diagonal castors shall have locking/brake mechanism. All four wheels MUST be fully 360 deg. swivels. Fixed direction wheels are NOT acceptable.
4.5	To be supplied complete with patient transfer board. Smooth board in either heavy duty mild steel or Aluminium Approx. size 1500 l x 500 w mm. All edges shall be rounded /curved finished. Surface to be smooth to permit easy sliding of patient onto trolley.
5	Accessories, spares and consumables
5.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer.
6	Operating Environment
6.1	The product offered shall be designed to be stored and to operate normally under Climate, Temperature, Humidity, etc. for Sudan.
7	Warranty
7.1	Comprehensive warranty for 2 years after acceptance.