

**REQUEST FOR BUDGETARY ESTIMATE FOR HOSPITAL FURNITURE ITEMS FOR  
ADVANCED NEUROSCIENCE, PGIMER, CHANDIGARH**

Ref.: HSCC/PGIMER-Chandigarh/Hospital Furniture/2024, Date: 05/02/2024

HSCC (India) Ltd. intends to invite on-line bids from eligible bidders, in single stage two bid system for Supply, Installation testing and commissioning of Hospital Furniture items for Advanced Neuroscience, PGIMER, Chandigarh, Punjab.

Technical Specifications and Bill of Quantity proposed for Hospital Furniture items are annexed herewith. It is requested to submit the Budgetary Quotation of the Hospital Furniture items with inclusive of all taxes & duties, 3 Years warranty and freight from warehouse to consignee location i.e. PGIMER, Chandigarh, Punjab.

The quotation should be on Company Letter Head with sign and stamp as per the BOQ format enclosed and should be submitted in both Hard & Soft Copy within 5 days of issue of this Notice at the following address:

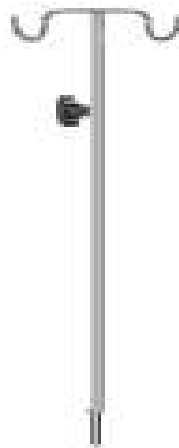
Chief General Manager (Procurement)  
Furniture Department  
HSCC (India) Ltd.,  
E-6(A), Sector-1,  
Noida (U.P.) - 201301.

Soft copy may please be sent to: [pk\\_bhatia@hsccltd.co.in](mailto:pk_bhatia@hsccltd.co.in), [l\\_singh@hsccltd.co.in](mailto:l_singh@hsccltd.co.in)

Chief General Manager (Procurement),  
HSCC (India) Ltd.

**Technical Specification of Hospital Furniture Items for Advanced Neuro Science at  
PGIMER, Chandigarh**

**1. Fully Motorized ICU BED**



Supply and installation of Fully Motorized ICU BED, Overall dimensions: (L)2241 mm X (W)1050 mm X (H) Adjustable from 440 mm to 770 mm. 5 Function fully motorized ICU BED, Electric operated features are Backrest, Leg rest , High-Low, Tredelenburg, Reverse Tredelenburg (Only one handset will be Provided).

Min ht: 440 mm; Max ht: 770 mm without mattress.

Back rest angular movement: 65 deg; Knee rest angular movement: 30 deg.

Tredelenburg 13.5 degree and Reverse Tredelenburg 13.5 degree.

Safe working load should be 200 kg Patient load bearing capacity: 135 kg.

All edges in contact with patient to be rounded safely. The bed has Manual CPR lever on both sides in case of emergencies. Head & Foot board should be made of blow molded Polypropylene. Head board and foot board should be with metal inserts to mount it on bed frame. Removable PP head board and foot board should have cut out, for better gripping.

Bed frame should be made of MS ERW tube of size 50mmx25mm of 2 mm thick supported with ERW square tube with 25 mm x 25 mm and 1.6 mm thick.

All corners of bed frame are Provided with bumper mounting holders and it should have Provision for iv pole holders. Base frame made of MS ERW tube of size 30mmx60mm of 2mm thick. Base frame have ground clearance of greater than 150 mm to avoid any obstruction during bed movement. Base frame have Provision to mount oxygen cylinder cage as optional accessory. It has Tredenburg indicator guide

Bed lying surface be made of PP injection mould. These lying surface has sections for bed profiling i.e. back adjustment, fixed pelvic section, upper and lower leg adjustment. Lower leg rest section is Provided with Ratchet for leg rest adjustment with a single hand operation to achieve the position. Backrest is X-Ray permeable with cassette holder.

Mattress platform is strengthened by frame of size 25 mm x 25 mm and 1.2 mm thick. Under bed clearance should be greater than 150 mm. 4 TPE rotating bumpers of dia 92mm height 69mm with 40-50 shore hardness are Provided at four corners to protect the bed and patient from impact and avoid damages to wall.

The bed is provided with 125mm diameter, twin wheel, plastic polymer with metal insert castors. Out of 4 castors two with brake, mounted at diagonally opposite position.

The bed is provided with 4 nos Aluminum extrusion side boards with PP molded end caps with full coverage to bed. These side boards should be integrated with drop down mechanism for easy operation.

The bed has powder coated urine bag holder on both side of the bed for ease of accessibility.. All metal components are pre treated with zinc phosphating in 7 tank process and then powder coated with epoxy polyester powder coating.

Electrical details: Supply Voltage : 100-240VAC +/- 10%; Current: 2.5A max, Electric Shock Protection: Class I, Type B, Liquid Ingress protection IPx4, Four Electric operated features are Backrest, Leg rest, High-Low, Tredenburg/Reverse-Tredenburg (Only one handset will be Provisioned).

The bed has Provision for front loading medium sized ms made oxygen cylinder cage as optional accessory. The bed has provision of Telescopic IV pole made of Stainless steel to mount saline bags.

The bed should be designed as per following standards.

IEC 60601-2-52 Medical Electrical Equipment: Particular requirements for safety and essential performance of medical beds.

IEC 60601-1-4 General Requirements for Safety: Programmable electrical medical systems.

ISO 14971 Medical Devices: Application of risk management to medical devices.

the bed has following certificates like

ISO 13485:2016 Medical Devices: Quality Management Systems - Requirements for regulatory purposes.

Overall dimension (L)1950mm\*(W)853mm\*(H)100 mm. The mattress is provided with 40 density 100 mm thick PU foam mattress with ridges for easy bending. It is covered by heavy helium material which is water proof, flame retardant, vapor & X-Ray permeable with Bacteriostatic properties. The zip & stitches for the mattress cover is concealed.

or ICU bed **As approved by engineer in-charge/employer.**

## 2. OVER BED TABLE



Supply and installation of Over bed table with height adjustable feature. overall dimension should be (L)896 mm X ( W)395 mm X (H) Adjustable from 800 mm to 1083 mm .Table top Height can be adjusted with the help of operating lever which activates the gas spring. Base frame is made of ERW round tube with 50.8 mm dia and 1.6 mm thickness. Housing is made of aluminum extruded inner and outer tubes. Handle for gas spring made of MS sheet metal of section 74 mm x 115 mm with 3 mm thick Handle with CRCA material making strong lever and have provision of wider area for grip. Gas spring of length 835 mm and stroke of 293 mm. Smooth functioning gas spring with adjustable height and consistent motion during operation.

Effort to push downward = 14.5(-2kg)

at room temp 29°C. Plain top made of membrane pressed MDF with section 395 mm x 896 mm of 18 mm thickness. Membrane pressed MDF board of frosty white shade on top surface and with edge lipping. Top: MDF top with membrane press , should give anti scratch Property with good surface finish. Castors: High endurance anti-static, Plastic injection molded castors are Provided of Ø50mm. Powder coating should be Bacteriostatic and thermosetting epoxy polyester, formulated to fulfill the requirements for bacterial protection. Powder coating should be Bacteriostatic and thermosetting epoxy polyester, formulated to fulfill the requirements for bacterial protection. Max Safe Working Load: 20 kg UDL. goods are supplied in knocked down construction to reduce carbon emission.

All Process Parameters to be as per documented IMS Procedures for Quality Assurance (ISO 9001:2015, ISO 14001:2015, ISO 45001:2018,ISO 13485:2016 & ISO 50001:2018 Quality Management Systems), OBT **As approved by engineer in-charge/employer.**

### 3. Saline stand IV Pole



Supply and installation of saline stand, Telescopic height adjustable saline stand mounted on castor. Over all dimension is 652 mm diameter base circle with ht adjustable from 1655 mm to 2365 mm.

The 5 prong bottom frame is of 1.6 mm thick stainless steel and the lower basement made of 31.75 mm diameter with 1.6 mm thick SS tube. Five nos. high endurance anti static plastic molded 50 mm castors are Provisioned with dual locking.

The telescopic rod is 19 mm diameter , 1.6 mm thick SS 304 grade tube with locking knob. 2 nos. hooks are Provisioned for hanging saline bags. The telescopic tube have plastic bush at the bottom which Provisioned smooth linear motion during ht adjustable.

All Process Parameters to be as per documented IMS Procedures for Quality Assurance (ISO 9001:2015, ISO 14001:2015, ISO 45001:2018,ISO 13485:2016 & ISO 50001:2018 Quality Management Systems), Saline stand **As approved by engineer in-charge/employer.**

#### 4. Bed side Locker



Supply and installation of bedside locker, the locker has two drawers and cabinet with lock and with plastic molded handle. . Cabinet is provided with lock to keep the valuable items for the safety.

Overall dimensions are 490mmW x 410mm D x 941mm H

Corner tube made of ERW round tube with section 25.4 mm diameter of 1.2 mm thickness

Cabinet made of CRCA sheet of 0.8 mm thick. Provisioned with lock. (470 mm x 410 mm x 382 mm)

Top made of ABS of 2.2 mm thick. Top has recessed and contoured shape for better aesthetic and usability.

Plastic molded knob is provided with Matt finish and dome shaped for better grip.

Plastic molded castors with 50 mm diameter placed in diagonal locking arrangement.

RAL white, plastic parts in Grey.

5 kg UDL on both the tops and 10 kg in the cabinet.

All metal components are pre-treated with zinc phosphating in 7 tank process and then powder coated with anti-microbial epoxy polyester powder coating to fulfill the requirements for bacterial protection against at least 2 commonly found bacteria in Hospital environment [Gram positive and Gram Negative].

Goods are supplied in knocked-down construction to reduce carbon emission.

All Process Parameters to be as per documented IMS Procedures for Quality Assurance (ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, ISO 13485:2016 & ISO 50001:2018 Quality Management Systems), locker **As approved by engineer in-charge/employer.**

## 5. Emergency Recovery Trolley



Supply and installation of emergency trolley is height adjustable, back rest is adjustable and have Tredelenburg and reverse Tredelenburg functions.

Overall Size is in-between L 2139 X W 936mm X (H) Adjustable from 680 mm to 1055 mm Bed Frame is made of ERW 25X50 tube with thickness of 1.6 mm

Base frame is made of ERW 25X50 tube with thickness Of 1.6mm

The bed should have smooth Tredelenburg and reverse Tredelenburg function with assist of 2 nos. Gas Spring .the gas springs is of 530 mm length and 168 mm stoke.

The bed frame has height adjustable by assist of Hydraulic Pump stroke of 140mm.It is smooth functioning and consistent motion during operations is required.

The trolley is Provided with detachable stretcher which have x-ray permeable top made of high pressure compact laminate of 6mm thick. The top is exceptional chemical and stain resistance. The fixed portion of the top is 1065 mm (L) x 590 mm (W) and tilted back portion is of 728 mm (l) x 590 mm (W).

There is ms made x-ray cassette holder which can move along with the top length to perform x-ray on the different position. The x-ray Cassette is top mounted.

Backrest is adjustable on ratchet for patient comfort from 0 to 70 Degree

The trolley is Provided with high end 125 mm non marking Steinco castors which is lockable diagonally.

The trolley is Safe working Load is of 135 Kg on flat top .

There should iv pole holder with ht adjustable SS made telescopic iv pole with two hooks to mount saline bags.

The trolley is Provisioned with 8 mm diameter ms zinc plating urine bag holder on both the side.

The trolley is Provisioned with drop down SS made side rails which Provided shelter in more than half of the total bed length. the tube has 19 mm diameter and 1.2 mm thick SS

304 made. The trolley has 4 nos. Neoprene made bumpers for Excellent Shock absorbing property.

The top frame has X ray Tray assembly made of MS CRCA sheet 1.2 thick X ray Tray can slide along the stretcher length. Provision given for changing the X ray cassette at the leg side , knob to be Provided for locking the assembly during TR operation .

Fail Safe Mechanism- the trolley has Fail Safe mechanism to avoid collapse of ERT during gas spring failure for TR & ATR Mechanism.

The trolley is Provided with 2 nos. U shaped head and foot bow at both the end to drag or push the trolley for movement. the bow is covered with neoprene material for better grip and avoid cold shock during patient handling.

MS Oxygen Cylinder Holder – Provision is given to mount B type Oxygen Cylinder at the head side of trolley.

The trolley has MS file holder at the bottom to carry file and other accessories during patient movement.

The trolley is Provided with two pair of patient safety belt .

The bed is Provided with 40 density 50 mm thick PU foam mattress (optional) which is covered by heavy helium material which is water proof, flame retardant, vapour & X-ray permeable. The zip & stitches for the mattress cover is concealed

All the MS parts is treated with nine tank pre-treatment procedure with zinc phosphate and powder coated with antimicrobial and thermosetting epoxy polyester .

The welding is done by co2-argon welding and there is Synergy coat on the welded areas to minimize early rusting. All Process Parameters to be as per documented IMS Procedures for Quality Assurance (ISO 9001:2015, ISO 14001:2015, ISO 45001:2018,ISO 13485:2016 & ISO 50001:2018 Quality Management Systems), trolley **As approved by engineer in-charge/employer**

## 6. Patient Wheel Chair





Supply and installation of wheel chair Over all dimension is (L) 790mm x (W) 600mm x (H) 870mm

foldable frame structure is made of section 22x1.2mm A3 carbon steel with chrome finish.  
Cross bar made of A3 carbon steel with section 25.4 x 1.2mm.

The Rear wheel is made of 24 inch Solid mug wheels with alloy in the rim .

Integrated hand rim is Provisioned to drive the wheel chair of section 16x1.2mm A3 carbon steel with chrome finish

the front wheel is of 8 inch HUB made of PA polymer and outer with solid rubber

PU molded arm rest & base made of ABS for better arm support

there is Leatherite strap for calf rest & Leatherite cushion for seat

the foot rest is Adjustable aluminum die cast foot rest with up down & swivel type mechanism

Push Handles is made of molded rubber grip to push the wheelchair

Hand brakes is Provisioned to lock the wheelchair at desired location.

Extended base with molded plastic for better grip

it is Anti rust chrome finish

safe working load is 200kg

All Process Parameters to be as per documented IMS Procedures for Quality Assurance (ISO 9001:2015, ISO 14001:2015, ISO 45001:2018,ISO 13485:2016 & ISO 50001:2018 Quality Management Systems), wheel chair **As approved by engineer in-charge/employer**

## 7. Stretchers Trolley



Supply and installation of Patient stretcher trolley Overall dimensions 2005mm(L)X666mm(W)X827mm(H)The trolley should be made of 31.75 and 25.4 mm diameter with 1.6 mm thick ERW tube. holder for stretcher should be made up of mild steel

Castor should be of 200 mm diameter, diagonal locking castor. stretcher should be made up of ERW tube of diameter 25.4 mm and thickness with 1.6 mm, Top sheet should be made of CRCA sheet of thickness 1.6 mm with contour shape to accommodate patient. IV pole holder should be made of MS Maximum safe work load should be 250 kgs, To ensure good quality welding " Co2 Argon" process should be adhered to. All metal components should be pre treated with zinc phosphating in 9 tank process and then powder coated with anti microbial epoxy polyester powder coating. goods should be supplied in knocked down construction to reduce carbon emission. proof loading test , cycle tests , impact test, salt spray test, castor break test. All Process Parameters to be as per documented IMS Procedures for Quality Assurance (ISO 9001:2015, ISO 14001:2015, ISO 45001:2018,ISO 13485:2016 & ISO 50001:2018 Quality Management Systems), **Stretcher Trolley as approved by engineer in-charge/employer**

### **8. Emergency Crash cart Trolley**



Supply and installation of Advanced emergency cart constructed of CRCA Powder Coated MS Sheet of thickness 1.2mm. Should have 5 drawers with drawer configuration: 2 small (390mm(L)x600mm(W)X71(H)mm) + 2 medium (390(L)x600(W)X149(H)mm) + 1 Large (390(L)x600(W)X227(H)mm). Should have defibrillator shelf with monitor straps, sharps container – 2qty. oxygen cylinder holder, cardiac chest board made of compact laminate, push/pull writing surface, utility tray, document holder, catheter holder, ABS vacuum formed top tray of thickness 3mm, Aluminum push handle of dia. 25mm built into the end panel for smooth stable movement. Pullout writing surface top. cart should be light, sturdy, scratch and dent resistant. all drawers should be lockable through central locking. Should

have anti-tilt mechanism. should have minimum five drawer with adjustable acrylic separators, should have a waste bin discarding syringes and gloves, should have 4 TPE corner bumpers for collision protection, Single wheel front locking castors should have 125mm diameter to facilitate quiet and easy movement. It should be European CE Compliant. overall dimension of L 1037 W x 672 H x 1435 mm. ABS grade made top sheet with 3mm thickness should be used. MS Cylinder case should be used with 2 Velcro straps to hold the cylinder with a foam padded base. SS 304 grade pipe of section 16mm & thickness of 1.6mm should be used to Provisioned to mount IV rod. High endurance anti-static, plastic injected molded 4 swivel castors of dia 125mm should be used with front 2 lockable castors. Aluminum handle pipe should have section of 25mm with length of 365mm & should have thickness of 1mm giving a glossy finish. Thermosetting epoxy polyester with semi-gloss finish powder coating must be used. Safe working load must be 55kgs. Should have cam lock type central locking mechanism for drawers Provisioned with 100 security seal tags. Should have wire wounder and mounting screws for spike guard. Optional accessory: Spike guard/Extension board, All Process Parameters to be as per documented IMS Procedures for Quality Assurance (ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, ISO 13485:2016 & ISO 50001:2018 Quality Management Systems) trolley **As approved by engineer in-charge/employer**

#### 9. Medicine trolley



Supply and Installation of medicine trolley overall dimension: 902mm (L) X 532mm(B) X 915(H) mm ( $\pm 5$  mm Engineering Variation). Verticals legs made of 32 mm with 1.6 mm thick Stainless steel 304 Grade. Horizontal stays made of 25 mm with 1.6 mm thick Stainless steel 304 grade tube, Top shelf & bottom shelf should be made of Stainless steel 304 sheet with 1.6 mm thickness and Stainless steel 304 grade protective railings shall be provided on all four sides of the shelf, railing shall be 10 mm diameter with 1.6 mm thick rod. The height of railing is 3" (75 mm ). The distance between the two shelves is 460 mm and distance from ground to bottom shelf is 330 mm. Verticals mounted on 125 mm diameter non -rusting castor two with brakes and two without brakes. Castor made from high grade non floor-staining synthetic materials with integrated thread guards.

Wheel centre having precision ball bearing to run smoothly. Handles made of Stainless steel 304 pipe having section of 16mm & thickness of 1.2mm should be used. The trolley shall be in matt finish. Load bearing capacity: 80 kgs (Per Shelf - 60 Kgs). All Process Parameters to be as per documented IMS Procedures for Quality Assurance (ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, ISO 13485:2016 & ISO 50001:2018 Quality Management Systems), Instrument Trolley as approved by engineer in-charge/employer.

## 10. Examination Couch



Supply and installation of examination couch with Overall dimension 1975 mm (L) x 560 mm (W) x 805 mm (H). Examination couch with three drawers with three cabinets, inbuilt step stool and BP tray holder. the base frame is made of 30 mm x 30 mm X 1.6 thick ERW tube.

The cabinets is made of 1 mm thick CRCA sheet with recessed plastic handles and with lock and plastic door latch. the hinges of the cabinet are made of sheet metal and pin arrangement. The internal dimension of the two side cabinets are 422 mm (W) x 455 mm (D) x 540 mm (H).

The storage cabinet unit is mount tubular base frame.

The head rest is adjustable on gas spring which is actuated with C shaped handle lever .

The drawers is made of 1 mm thick CRCA sheet with recessed plastic handles and work on double extension ball slides for smooth glide. the internal dimension of the drawer are 330 mm (W) x 427 mm (D) x 92 mm (H)

The mattress platform is 65 mm thick which is made of 12 mm thick ply and PU foam and covered with Leatherite cover. the cover is water resistant, fire retardant, anti microbial . The end of the top mattress surface is tapered end edge for ergonomic benefit.

There is ss304 made tissue roll holder present on the lower side of the back rest.

There is 1 mm thick CRCA made step stool with leveler with double extension ball slide for smooth operation.

There is 1 mm thick CRCA made BP apparatus holder which has adjustable in height on a SS made height adjustable rod.

Total load bearing capacity of 135 kg.

The examination couch should be Provision with six numbers levelers made of metal & plastic for adjustment on the uneven floor.

All the metal parts should be pre treated and powder coated with epoxy polyester powder coating. All Process Parameters to be as per documented IMS Procedures for Quality Assurance (ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, ISO 13485:2016 & ISO 50001:2018 Quality Management Systems), couch **As approved by engineer in-charge/employer**

### **11. Double Foot Step**



Supply and Installation of Double foot Step under structure is made of MS square tube 32mm X 32mm with 1.6 mm thickness, In Top Textured and Rubber mat is provided, Thickness of Sheet for Top (mm): 1.6 mm and rubber is 15 mm thick Size:485mm(L) x Width of single step :335mm (W) X Height of Foot Step: 150 mm for first step and 355 mm for second step from the ground for Double Foot Step. Top is made of textured rubber offering firm grip for climbing. All metal parts shall be Powder coating is Bacteriostatic and thermosetting epoxy polyester, formulated to fulfill the requirements for bacterial protection. All Process Parameters to be as per documented IMS Procedures for Quality Assurance (ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, ISO 13485:2016 & ISO 50001:2018 Quality Management Systems), **Double Step stool as approved by engineer in-charge/employer.**

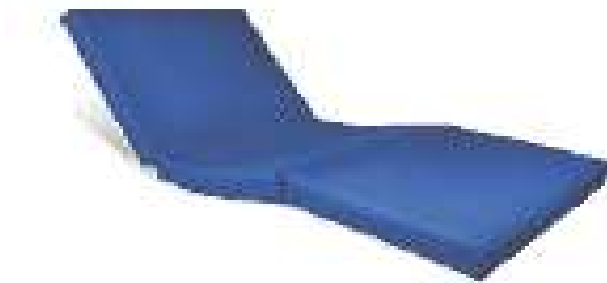
## 12. Electric Treatment Couch



Supply and Installation of fully electric treatment couch Should have two section couch fixed with a Rexene upholstered top of minimum 60 mm thick . should have electromechanical motion control for height by handset or by embedded control panel, backrest should be adjustable by gas spring mechanism body frame work made from 20 G MS sheet fitted with SS304 grade legs Length 1800-2000mm, width: 600-800mm, Height adjustment: 500:850 mm (+-10%) Backrest Angel 0-60 degree or more . Should have a safe working load 135 kg. should have built in paper roll holder of SS304 made. should have a sliding drawer under the platform. Power supply: Power input to be 23D Vac/230Vac, 50-60 hz as appropriate, fitted with Indian plug with rechargeable battery backup of at least 1 hour . standards and safety: Electric supply conforms to standards for electrical safety IEC 60601-2-52 should be **USFDA Certified or European CE Certificate from 4 digit notifying body or Manufacturers EC Declaration of conformity or BIS, Manufacturer should be ISO 9001, ISO 13485 certified for quality standards, the certificate copy of the same should be submitted along with technical bid**, electric shock protection : level class B Electric current protection Class-1. Liquid ingress protection :P54 should have a local services facility. the services provider should have the necessary equipment recommended by manufacturer to carry out preventive maintenance test as per guideline provided in the services /maintenance manual. This table has backrest function that can be operated with help on control panel. There is a provision for storage with lock integrated. This examination table is motorized operated. All the MS parts should be treated with nine tank pre-treatment procedure with zinc phosphate and powder coated with antimicrobial and thermosetting epoxy polyester to control the bacterial growth. All Process Parameters to be as per documented IMS Procedures for Quality Assurance (ISO 9001:2015, ISO

14001:2015, ISO 45001:2018, ISO 13485:2016 & ISO 50001:2018 Quality Management Systems) Examination Couch as approved by engineer in-charge/employer.

### 13. 5 Function Mechanical Bed.



Supply and Installation of 5 function mechanical bed, Overall dimensions: (L) 2241 mm X (W) 1050 mm X (H) Adjustable from 498 mm to 758 mm. 5 function mechanically operated bed: Backrest, Leg rest, High-Low, Trendelenburg, Reverse Trendelenburg. Note: Height of bed for TR and ATR is 650mm from the ground and above. Min height: should be 498 mm; Max ht: 758 mm without mattress. Back rest angular movement: 65 deg; Knee rest angular movement: 30 deg. Trendelenburg 12 degree and Reverse Trendelenburg 8 degree. Safe working load should be 200 kg Patient load bearing capacity: 135 kg.

All edges in contact with patient to be rounded safely. Head & Foot board should be made of blow molded Poly polypropylene. Head board and foot board should be with metal inserts to mount it on bed frame. Removable PP head board and foot board should have cut out, for better gripping. Bed frame should be made of MS ERW tube of size 50mmx25mm of 2 mm thick supported with ERW square tube with 25 mm x 25 mm and 1.2 mm thick. All

corners of bed frame are Provided with bumper mounting holders and it should have Provision for iv pole holders.

Base frame should be made of MS ERW tube of size 30mmx60mm of 2mm thick. Base frame should have ground clearance of greater than 150 mm to avoid any obstruction during bed movement. Base frame should have Provision to mount oxygen cylinder cage as optional accessory. It should have Trendelenburg indicator guide.

Bed lying surface should be made of MS Sheet having thickness 0.8mm. This lying surface should have sections for bed profiling i.e. back adjustment, fixed pelvic section, upper and lower leg adjustment. Lower leg rest section is Provided with Ratchet for leg rest adjustment with a single hand operation to achieve the position. Mattress platform is strengthened by frame of size 25 mm x 25 mm and 1.2 mm thick.

Bed mechanism is made of linkages which are made by HR MS flat of size 40mmW x 10mm thick. This mechanism should be operated with the help of lead screws and crank. Lead screws should be made from EN8 and ACME threads roll formed. The manual function is operated with the help of an ergonomically handle, which is made of metal inserted PP polymer, it should be snap locked when not in use. There should be operating guidance sticker for the manual operation.

4 TPE rotating bumpers of diameter 92mm height 69mm with 40-50 shore hardness are Provisioned at four corners to protect the bed and patient from impact and avoid damages to wall.

Single Handle Provided with the bed to operate manual function on crank made of PP injection molded. Handle should be snap locking which can be kept in folding position when not in use. Handle parking Provision to be given in bed. The bed should be Provided with 125mm wheel dia, single wheel ,plastic polymer with metal insert castors. Out of 4 castors two should be with brake, mounted at diagonally opposite position.

.The bed should be Provided with MS side rail made of circular ERW tube of dia. 25.4mm & thickness of 1.6mm Provision ding 3/4th coverage to bed. These side rails should be integrated with collapsible mechanism for easy operation.

The bed should have MS powder coated urine bag holder on both side of the bed for ease of accessibility. To ensure quid quality welding " Co2 Argon" process should be adhered to. All metal components should be pre treated with zinc phosphating in 7 tank process and then powder coated with epoxy polyester powder coating.

proof loading test , cycle tests , impact test, horizontal & vertical load tests for side rails, salt spray test, castor break test, pull test for head and foot board.

The bed has Provision for front loading medium sized ms made oxygen cylinder cage as optional accessory. The bed should have Provision for Telescopic IV pole made of Stainless steel to mount saline bags.

The manufacturer should have following certificates.

Overall dimension (L)1950mm\*(W)853mm\*(H)100 mm. The mattress is provided with 40 density 100 mm thick PU foam mattress with ridges for easy bending. It is covered by heavy helium material which is water proof, flame retardant, vapour & X-Ray permeable with Bacteriostatic properties. The zip & stitches for the mattress cover is concealed.

IEC 60601-2-52 Medical Electrical Equipment: Particular requirements for safety and essential performance of medical beds.

IEC 60601-1-4 General Requirements for Safety: Programmable electrical medical systems.

ISO 14971 Medical Devices: Application of risk management to medical devices.



ISO 13485:2016 Medical Devices: Quality Management Systems - Requirements for regulatory purposes.

**Mattress: overall dimension should be (W)1965\*(W)830\*(H)75 The bed is Provisioned with 40 density 75 mm thick PU foam mattress which is covered by heavy helium material which is water proof, flame retardant, vapor & X-ray permeable. The zip & stitches for the mattress cover is concealed.**

#### **14. Attendant Bed With Mattress.**



Supply and Installation of attendant bed with mattress Over all outer dimension is(L) 2025mm x (W) 760mm x (H) 550mm. Legs, Head board and foot board have curved profile at the top made of MS ERW round tubes of thickness 1.2 mm & diameter 31.75 mm. Head board and leg board is further strengthened by 3 vertical pipes each of thickness 1.2 mm and dia metermeterof 19mm & 1 each Horizontal pipe of thickness 1.2 mm and diameter of 25.4mm of equal height. Lying surface is made of CRCA sheet of thickness 1.2 mm. This is further strengthened on the longetudienly edges by welding full length with the help of C shaped metal channel section. It is strengthened by trapezoidal contour (rounded corner) 10 nos, embossed cut out. All metal components are pre treated with zinc phosphating and then powder coated with epoxy polyester powder coating. Goods are supplied in knocked down construction to reduce carbon emission. To ensure good quality welding " Co2

Argon" process is adhered to. TPE (Thermoplastic Elastomer) with reinforced metal washer is used for leg shoes. . Maximum safe patient working load is 250 kg. The mattress is provided with 40 density 100 mm thick PU foam mattress with ridges for easy bending. It is covered by heavy helium material which is water proof, flame retardant, vapors & X-Ray permeable with Bacteriostatic properties. The zip & stitches for the mattress cover is concealed. All Process Parameters to be as per documented IMS Procedures for Quality Assurance (ISO 9001:2015, ISO 14001:2015, ISO 45001:2018,ISO 13485:2016 & ISO 50001:2018 Quality Management Systems)  
Attendant bed **As approved by engineer in-charge/employer**

### 15. Dressing Trolley



Supply and Installation of dressing trolley with Overall Dimension must be 1156 mm L X 531mm WX 915mm H. ( $\pm 10$  mm Engineering Variation). Verticals legs made of 32 mm with 1.6 mm thick Stainless steel 304. Horizontal stays made of 20 mm with 1.6 mm thick Stainless steel 304 tube, Top shelf & bottom shelf should be made of Stainless steel 304 sheet with 1.2 mm thickness and Stainless steel 304 protective railings shall be provided on all four sides of the shelf, railing shall be 10 mm diameter with 1.2 mm thickness rod. The height of railing is 3" (75 mm ). The distance between the two shelves is 460 mm and distance from ground to bottom shelf is 330 mm. Handles made of Stainless steel 304 pipe having section of 16mm & thickness of 1.2mm, Verticals mounted on 125 mm diameter non-rusting castor two with brakes and two without brakes. Castor made from high grade non floor-staining synthetic materials with integrated thread guards. Wheel centre having precision ball bearing to run smoothly. The trolley shall hold seamless stainless steel bucket with S.S. lid at lower level and stainless steel bowl at top level respectively. The size of bucket is 330 mm H x 280 mm ( $\pm 10$  mm Engineering Variation) Outer diameter and size of bowl is 330 mm x 180 mm H ( $\pm 10$  mm Engineering Variation). Both are made from SS 304 sheet 1.0 mm, Both removable bowl and bucket are mounted on the removable SS

frame made from 12 mm diameter rod with 1.6 mm thickness. This SS 304 frame is assembled on SS 304 sleeve which is welded to vertical tube. Only 304 grade stainless steel should be used for tubular frame work & SS shelves of trolley. The trolley shall be in matt finish. Supplied in SKD condition. Load bearing capacity : 80 kgs ( Per Shelf - 40 Kgs). All Process Parameters to be as per documented IMS Procedures for Quality Assurance (ISO 9001:2015, ISO 14001:2015, ISO 45001:2018,ISO 13485:2016 & ISO 50001:2018 Quality Management Systems), **Dressing Trolley With Bowl & Bucket as approved by engineer in-charge/employer.**

### **16. 3 fold Screen**



Supply and Installation of 3 fold screen with Overall dimension: L 2637 X W 647.5 x h1720 MM. Frame is made of ERW tube with movable plastic hinges.

The fix frame is made of 25.4 mm diameter 1.2 mm thick ERW tube, the movable frame is made of 19.05 mm diameter 1.2 mm thick ERW tube and the leg frame is made of 30 mm square tube with 1.6 mm thick.

The fixed portion is 1075 mm width and the movable portion is 778 mm width.

50 mm diameter wheel castors are Provisioned. All MS parts are powder coated with thermosetting epoxy polyester. Green color Casement fabric are to be provided for modesty. All Process Parameters to be as per documented IMS Procedures for Quality Assurance (ISO 9001:2015, ISO 14001:2015, ISO 45001:2018,ISO 13485:2016 & ISO 50001:2018 Quality Management Systems), 3 fold screen **As approved by engineer in-charge/employer.**

## 17. Cylinder trolley D Type



Supply and Installation of Oxygen cylinder trolley D type, 1) Single cylinder hand trolley to transport one no. heavy compressed gas cylinders.(Cylinder size: Height-Approx-1400mm, Diameter-236 mm, Tare wt-65Kg, Water capacity-50 lts, Gas volume-7m<sup>3</sup> )

2) Hand trolley should Fitted with four nos. large solid rubber tired wheels and castors for better maneuverability over rough or even surfaces (2 nos, 8" x 2" Wheels in Front in through shaft & 2 nos. 4" x 2" Castors in the rear).

3) Trolleys should be finished with scratch resistant high gloss electro statically applied oven baked powder coat.

4) Material of construction: 18 gauge heavy duty mild steel ,White powder coated

5) The trolley should be fabricated with 1.25" OD Pipe.

6) M.S. Plate is placed on base of the frame on which the cylinder rests.

7) Handle is provided for movement & suitably designed clamps / chain are provided to hold the cylinder firmly as per sketch.

8) 1 No 18 Swg Tool-Tray Type Box. ( 18" x 6" x 4" ), All Process Parameters to be as per documented IMS Procedures for Quality Assurance (ISO 9001:2015, ISO 14001:2015, ISO 45001:2018,ISO 13485:2016 & ISO 50001:2018 Quality Management Systems.

Oxygen cylinder trolley as approved by engineer in-charge /employer.

### **18. Cylinder trolley B Type**



Supply and Installation of oxygen cylinder trolley B type

- 1) Single gas cylinder trolley for shifting industrial gas cylinder having diameter-232 mm, length-1370 mm, (7 cubic meter capacity),
  - 2) Mild steel tubular body with suitable base, 02 no backrest.
  - 3) Chain is provided for chaining the cylinder during shifting.
  - 4) 02 No's solid rubber tyres wheels (Approx. 200 mm Diameter and 40 mm thickness) are required.
  - 5) All Body frame of gas cylinder trolley work must be duly finished with enamel paint.
  - 6) It is easy to handle, Rugged construction & Light weight, All Process Parameters to be as per documented IMS Procedures for Quality Assurance (ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, ISO 13485:2016 & ISO 50001:2018 Quality Management Systems
- Oxygen cylinder trolley as approved by engineer in-charge /employer.

## 19. Mayo Trolley



Supply and Installation of MAYO TROLLEY: overall size: 504mmX650mmX adjustable from 814mm to 1340 mm . .bottom frame made of SS 304 tube of section 38mmX38mm and 1.2 mm thick. top frame of 30mmX30mm and thickness 1.2 mm, fixed tube of section 38X38 of thickness 1.6 mm for providing guide way to telescopic tube it should be buffed finish to provide smooth operation without wear and corrosion. Locking knob mechanism should be used to lock SS telescopic tube at desired ht. SS 304 tube 30 X 30 mm and thickness 1.2 mm for tray mounting and supporting the top frame and welded with telescopic tube. Aesthetically designed flange section for uses as a tray, 50 mm high endurance plastic injection moulded castors for ease of movement, glossy mirror finish. maximum working load 40 Kgs. All Process Parameters to be as per documented IMS Procedures for Quality Assurance (ISO 9001:2015, ISO 14001:2015, ISO 45001:2018,ISO 13485:2016 & ISO 50001:2018 Quality Management Systems, MAYO TROLLEY **as approved by engineer in-charge/employer**

## 20. Kidney Shape trolley



### **SPECIFICATION OF KIDNEY SHAPE TROLLEY (STAINLESS STEEL 304 GRADE)**

#### 1. Dimension:-

Height: -	865mm (Including wheel)
Width: -	406mm
Length: -	1700mm(Back Curve)
	1320mm(Front Curve)

(+/- 10mm variations)

2. Frame Work: - Frame work of Stainless Steel round pipe. The trolley should be provided with six numbers stainless steel (304 grade) vertical pipes of diameter 38mmx1.2mm thick. Two numbers curved shaped shelves shall be provided with 1.0mm thickness bent pressed to 180 degree around the round horizontal pipes 25mm diameter x1.2mm thick to prevent sharp edges. All the welded joints should be sound clean and well framed. The vertical members should be perpendicular to the horizontal members. All the surfaces should be smooth and free from pitting.
3. Vertical Member: - Thickness of the vertical round pipe should be 1.20 mm and outside diameter of the pipe should be 38.0mm of stainless steel 304 grade.
4. Horizontal Member: - Thickness of the horizontal round pipe should be 1.20mm and outside diameter of the pipe should be 25.4mm of stainless steel 304 grade.
5. Top and Bottom: - Stainless Steel sheet 1.0mm thick 304 grade quality.
6. Shelves: - The lower shelf shall be provided at a height of 250mm from ground level.
7. Casters: - Plug type swivel caster wheels zinc plated of size 50mm having the load capacity of 50Kg each shall be provided.
8. Finishing: - All the stainless steel parts should be buffed neatly and welded with MIG welding.

## 21. Basin Stand



### SPECIFICATION OF BASIN STAND

- 1. Dimension:**
  - Height = 900mm including wheel.
  - Width: 711mm
  - Diameter = 337mm (Each)  
(+/- 10mm variation in all sides).
- 2. Construction:-** Two stainless steel round pipes 25.4mm dia x 1.20mm thick shall be provided in a continuous pipe without weld joints welded understructure with two horizontal solid SS 304 grade rods 19mm diameter for support and stability.
- 3. Casters:** Stainless Steel Plug type swivel caster wheel zinc plated 50x32mm (2" x 1 1/4") having the load capacity 50kg each. The appropriate plug dia should be fixed in vertical stainless steel pipe to avoid any kind of noise..
- 4. Finishing:** All the stainless pipe and sheets should be of SS 304 grade and buffed neatly and welded with argon arc welding.



## 22. Over Head Trolley



### **SPECIFICATION OF OVERHEAD TROLLEY (STAINLESS STEEL 304 GRADE)**

1. Dimension:-
  - Height: - 990mm (Including wheel )
  - Width: - 609mm
  - Length: - 1016mm
  - (+/- 10mm variations)
2. Frame Work: - Frame work of Stainless Steel square pipe of size 25.4mmx25.4mmx1.25mm thick. The trolley should be provided with stainless steel (304 grade) top shelf 1.25mm thick. Both front sides of the sheet and pipes frame shall be provided with semi round type system to avoid sharp edge touch to the operator. The shelves should be bent pressed to 180 degree around pipe to prevent sharp edges. All the welded joints should be sound clean and well framed. The vertical members should be perpendicular to the horizontal members. All the surfaces should be smooth and free from pitting. Top section i.e both sides of the top frame (Length wise) shall be welded with two vertical square pipes and same pipes shall be welded with two numbers horizontal pipes of size 38mmx38mmx1.30mm thick at bottom end. Vertical pipes shall be at the height of 787mm from support pipe frame. Top end shall be provided with the provision of up/down movement of the sheet frame with the help of adjustable knob upto the extend of 300mm.
3. Vertical Member: - Thickness of the vertical square pipe should be 1.25 mm and outside diameter of the pipe should be 25.4mm x 25.4mm of stainless steel 304 grade.
4. Horizontal Member: - Thickness of the horizontal square pipe should be 1.30mm and
5. Railing: - Railing should be of size 915mm(L)x10.0mm diameter S.S 304 grade solid rod provided on top shelf at back side and four sides on lower shelf at the height of 100 from both the shelves
6. Base Fixing system:- Two numbers vertical round SS rods with thread/knob arrangement shall be welded with the horizontal pipes for non movement of the table by proper fixation with the floor level.
7. Casters: - Plug type swivel caster wheels zinc plated of size 100mm x 32mm having the load capacity of 50Kg each shall be provided.
8. Finishing: - All the stainless steel parts should be buffed neatly and welded with MIG welding.

## 23. Side Trolley with Railing



### **SPECIFICATION OF PROCEDURE TROLLEY (STAINLESS STEEL 304 GRADE)**

#### 1. Dimension:-

Height: - 965mm (Including wheel and railing)  
Width: - 660mm  
Length: - 965mm  
(+/- 5mm variations)

2. Frame Work: - Frame work of Stainless Steel square pipe. The trolley should be provided with two numbers stainless steel (304 grade) shelves 1.0mm thick. The shelves should be bent pressed to 180 degree to prevent sharp edges. All the welded joints should be sound clean and well framed. The vertical members should be perpendicular to the horizontal members. All the surfaces should be smooth and free from pitting.
3. Vertical Member: - Thickness of the vertical square pipe should be 1.20 mm and outside diameter of the pipe should be 25.4mm x 25.4mm of stainless steel 304 grade.
4. Horizontal Member: - Thickness of the horizontal square pipe should be 1.22mm and outside diameter of the pipe should be 25.4mm x 25.4mm of stainless steel 304 grade.
5. Top and Bottom: - Stainless Steel sheet 1.0mm thick 304 grade quality.
6. Railing: - Railing should be of 8.0mm diameter S.S 304 grade solid rod provided on top shelf on three sides except front side. and also on lower shelf at the height of 100 from both the shelves
7. Shelves: - The lower shelf shall be provided at a height of 250mm from ground level. The upper shelf shall be provided at a height of 900mm from the ground level.
8. Casters: - Plug type swivel caster wheels zinc plated of size 100mm x 32mm having the load capacity of 50Kg each shall be provided.
9. Finishing: - All the stainless steel parts should be buffed neatly and welded with MIG welding

#### 24. Dirty Scrub Bin trolley



Supply and Installation of Dirty Scrub Bin with cloth, Dirty Scrub Bin made of Stainless steel tubular frame size 25.4 mm diameter x 1.6 mm thickness Stainless steel (SS-304) fitted with circular ring 600mm diameter, Scrub Bin supplied with good quality cloth (washable). cloth: 100% Cotton, Material shall be Non toxic, Medical Grade, Latex Free, Antistatic properties, Absorbent zone present. Minimum GSM of the fabric/sheet: 100 g/m<sup>2</sup> for reusable sheet Color of bin cloth : Medical Green

Supplied in SKD condition. safe Working Load is-40 kg. All Process Parameters to be as per documented IMS Procedures for Quality Assurance (ISO 9001:2015, ISO 14001:2015, ISO 45001:2018,ISO 13485:2016 & ISO 50001:2018 Quality Management Systems Dirty Scrub Bin with cloth as approved by engineer in-charge/employer

#### 25. X- Ray View Box



Supply and Installation of Double X Ray View Box 850mm W x 512mm H x 47mm D( $\pm 10\%$  Engineering Variation in dimension). Adopt LED light source with life of 100,000 hours. Maximum brightness can reach up to 5000cd/m<sup>2</sup> which is suitable for different density medical films. Makes use of A-Cast viewing screen which make the light more bright and soft, the screen can be used for long time and not turn yellow and deform.

The light frequency is above 50KHz, effectively relieves the fatigue of vision, Material of the Front viewing screen: High quality Polymethyl Methsacrylate (PMMA), Power supply input: 220-240 volt AC, 50 Hz, Material of the Frame: Electrophoresis coated Aluminum alloy and ABS plastic, Easy insertion and removal of the films Through the X-ray film holders, On-Off function and Fully electronic continuous adjustable separate brightness control provision for each panel on the illuminator. All Process Parameters to be as per documented IMS Procedures for Quality Assurance (ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, ISO 13485:2016 & ISO 50001:2018 Quality Management Systems, Double X-ray View Box as approved by engineer in-charge/employer.

## 26. Bed side Trolley



Supply and Installation of overall dimension: 902mm(L)X532mm(B) X 915mm(H) ( $\pm 10$  mm Engineering Variation). Verticals legs made of 32 mm with 1.6 mm thick Stainless steel 304 grade. Horizontal stays made of 20 mm with 1.6 mm thick Stainless steel 304 tube, Top shelf & bottom shelf should be made of Stainless steel 304 sheet with 1.2 mm thickness and Stainless steel 304 protective railings shall be provided on all four sides of the shelf, railing shall be 10 mm diameter with 1.2 mm thickness rod. The height of railing is 3" (75 mm ). The distance between the two shelves is 460 mm and distance from ground to bottom shelf is 330 mm. Verticals mounted on 125 mm diameter non -rusting castor two with brakes

and two without brakes. Castor made from high grade non floor-staining synthetic materials with integrated thread guards. Wheel centre having precision ball bearing to run smoothly. Handles made of Stainless steel 304 pipe having section of 16mm & thickness of 1.2mm should be used. The trolley shall be in matt finish. Load bearing capacity: 80 kgs (Per Shelf - 40 Kgs). All Process Parameters to be as per documented IMS Procedures for Quality Assurance (ISO 9001:2015, ISO 14001:2015, ISO 45001:2018,ISO 13485:2016 & ISO 50001:2018 Quality Management Systems, **Trolley as approved by engineer in-charge/employer.**

## 27. Crash Cart Stainless steel



### 1 Description of Function

1.1 Emergency trolley or (Emergency Crash Cart) is a set of trays/drawers/shelves on wheels used in hospitals for transportation and dispensing of emergency medication/equipment at site of medical/surgical emergency for life support protocols potentially to save a patient's life.

### 2 Operational Requirements

2.1 Stainless steel trolley on stainless steel tubular frame (SS 304 grade).

### 3 System Configuration

3.1 Emergency trolley (Emergency Crash Cart) with removable colored bins, storage units, fitted with oxygen cylinder holder and electric lamp holder and four swivels castors.

### 4 Technical Specifications

4.1 Dimensions: approx. 960mm L x 500mm W x 1545mm H.

4.2 Stainless steel top and shelf & equipped with 4 - 6 removable colored bins made of moulded plastic.

4.3 Lockable storage units – 3 drawers (stainless steel or moulded plastic).

4.4 To be fitted with stainless steel, height adjustable, twin hook/loop, IV pole assembly.

4.5 Fully, 360 deg. swivel castors/wheels, size 125mm diameter with at least one castor/wheel to have locking/brake mechanism.

4.6 Stainless steel shelves 14 G thick stainless steel.

4.7 Top shelf to have stainless steel guard rail approx 35mm above surface.

4.8 Fitted with epoxy powder coated oxygen cylinder holder and electric lamp holder with clamp and cardiac massage board.

4.9 Must be capable of carrying ECG Monitor/defibrillator and a suction apparatus.

### 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 Standards and Safety Requirements

7.1 Must submit ISO 9001

### 8. Documentation

8.1 User's manual shall be supplied in English.

All parts should be epoxy polyester coated with 50 micron thickness approx. ebonite rubber, PVC and castor wheel etc.

Whole crash cart should be washable.

All the Stainless Steel should be 304 grade/ 16 gauge

Thermosetting epoxy polyester with semi gloss finish powder coating is used. Safe working load is 40 kgs. All Process Parameters to be as per documented IMS Procedures for Quality Assurance (ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, ISO 13485:2016 & ISO 50001:2018 Quality Management Systems. Crash cart as approved by engineer in-charge/employer.

## 28. Stainless steel Patient Bed with mattress



Over all outer dimension is(L) 2025mm x (W)760mm x (H) 550mm. Bed legs are made of stainless steel 304 grade round tubes of thickness 1.6 mm & diameter 31.75 mm. Head board and foot board have curved profile made of stainless steel 304 grade round tubes of thickness 1.2 mm & diameter 25 mm diameter pipe. Head board and leg board is further strengthened by 3 vertical pipes each of thickness 1.2 mm and diameter of 19mm & 1 each Horizontal pipe of thickness 1.2mm and diameter of 25.4mm of equal height. Lying surface is made of stainless steel 304 grade sheet of thickness 1.2 mm. This is further strengthened on the longitudinal edges by welding full length with the help of C shaped SS channel section. It is strengthened by trapezoidal contour (rounded corner) 10 nos., embossed cut out. Goods are supplied in knocked down construction to reduce carbon emission. To ensure good quality welding process is adhered to. TPE (Thermoplastic Elastomer) with reinforced metal washer is used for leg shoes. . Maximum safe patient working load is 250 kg.

The mattress is provided with 40 density 100 mm thick PU foam mattress with ridges for easy bending. It is covered by heavy helium material which is water proof, flame retardant, vapors & X-Ray permeable with Bacteriostatic properties. The zip & stitches for the mattress cover is concealed. All Process Parameters to be as per documented IMS Procedures for Quality Assurance (ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, ISO 13485:2016 & ISO 50001:2018 Quality Management Systems Patient Bed Stainless steel **As approved by engineer in-charge/employer.**

## 29. Foot Step (Stainless steel)

### FOOT STEP STAINLESS STEEL(304 GRADE)

1. **Single Step:**



Height : 230mm  
Width: 450mm  
Length: 450mm

(+/- 10 mm variation all three sides)

2. **Constructions:** The frame shall be constructed from S.S. square pipe 304 quality 32x32x1.2mm thick mounted on six numbers vertical legs with heavy duty rubber shoes provided at the bottom of each vertical pipe. Top of the foot step shall be provided with built-in antiskid projections (S.S.) 304 quality designed to minimize infection. The top of the foot step shall be supported with three number width wise additional supports provided in the main frame fabricated from 32x32x1.2mm thick S.S square pipe at equal intervals.
3. **Finish:** All the stainless steel pipe should be buffed neatly and welded with organ arc welding (TIG).



### 30. SS Patient revolving Stool



Supply and Installation of stainless steel Stool :Overall Sizes Diagonal Leg Diameter 538 mm, minimum height 470mm - maximum height :655mm, top Stainless steel 202 made sheet with spin section of thickness 1.6 mm & should be non corrosive. It should have a diameter of 305mm, seat base is made of MS ring and rectangular tube. EN8 Screw having diameter of 22mm should be used for height adjustment of the seat base. The hub should be made of MS ERW tube having diameter of 38mm and thickness 2.0mm. The Hub should be welded with the legs and it should accommodate and cover the lead screw mechanism. The under structure should consist of 4 legs made up of Stainless tube of diameter 25.4 mm and 1.6mm thick. The press formed pipe leg should give a round & clean look. All the legs should be provided with 4 nos. of Nylon-6 bush. All metal components should be pre treated with zinc phosphating in 9 tank process and then powder coated with anti microbial epoxy polyester powder coating to fulfill the requirements for bacterial protection against at least 2 commonly found bacteria in Hospital environment [Gram positive and Gram Negative].Safe working load must be 250 kg. All Process Parameters to be as per documented IMS Procedures for Quality Assurance (ISO 9001:2015, ISO 14001:2015, ISO 45001:2018,ISO 13485:2016 & ISO 50001:2018 Quality Management Systems. **SS Stool as approved by engineer in-charge/employer.**

### 31. Height Adjustable revolving and reclining chair



Supply and Installation of Height Adjustable revolving and reclining chair should have ergonomically shaped backrest and seat. foam should be high resilience and comfortable. should have an electrically operated backrest, leg rest and height to be operated using a remote handset, backrest and leg rest should have capability to be used together or separate. Chair dimension : fixed height of at least 52 cm seat width should be minimum 58 cm without armrest total chair length of at least 210 cm in laying position backrest length of minimum 85 cm. chair should have two emergency buttons on base frame for one touch automatic welcome tredelenburg position. should have an integrated movement of headrest with the backrest. self lockable double running wheels for better usage and safety. should have comfortable armrest which can be adjusted. should have a holder for tablets. should come with an ABS basket . should have capability for tredelenburg position. should have patient load capability of at least 200 kg , should be European CE or US FDA/BIS approved product. Manufacturer should have 9001 certification. Overall dimension - L 2100mm x W 750mm x H 1340mm in upright position. Movable (horizontal & vertical) fully padded, broad armrest with glass holders Adjustable footrest with removable transparent plastic cover Anti-fungal, anti-bacterial, easy to clean leatherette upholstery. All Process Parameters to be as per documented IMS Procedures for Quality Assurance (ISO 9001:2015, ISO 14001:2015, ISO 45001:2018,ISO 13485:2016 & ISO 50001:2018 Quality Management Systems, Chemotherapy chair **as approved by engineer in-charge/employer.**

### 32. Trolley with Linen Hamper Bag



Supply and Installation of hamper stand is complete with bag, the hamper bag is canvas material. Overall approx. size 910mm H x 510mm diameter.

Stainless Steel (SS 304 Grade) Tubular framework fitted with four swivel castors synthetic body non - rusting castors 125mm diameter.

Framework made of 25.4 mm dia. X 1.6mm four vertical SS Tubes, upper ring made of 19mm diameter. X 1.2 mm tube and support stays of 15.8mm dia. X 1.2mm stainless steel tubes. Trolley Should be supplied with heavy duty canvas bag. To ensure good quality welding " Co2 Argon" process should be adhered to. attached proof of loading test , cycle tests , impact test and castor break test , All Process Parameters to be as per documented IMS Procedures for Quality Assurance (ISO 9001:2015, ISO 14001:2015, ISO 45001:2018,ISO 13485:2016 & ISO 50001:2018 Quality Management Systems trolley as approved by engineer in charge/employer.

**BUGETARY QUOTATION**

**Supply, Installation testing and commissioning of Hospital Furniture items for Advanced Neuroscience, PGIMER, Chandigarh, Punjab**

<b>Reference No.</b>	<b>HSCC/PGIMER-Chandigarh/Hospital Furniture/2024</b>
<b>Name of Manufacturer/Bidder</b>	
<b>Address &amp; Contact Details of the Manufacturer/Bidder submitting the Budgetary Quotation:</b>	

<b>S. No.</b>	<b>Name of Items</b>	<b>Unit</b>	<b>Total Quantity</b>	<b>Rate Per Unit (In Rs.) with inclusive of All Taxes &amp; Duties and 3 Years Warranty</b>	<b>Amount (In Rs)with inclusive of All Taxes &amp; Duties and 3 Years Warranty</b>
1	Fully Motorized ICU BED	Each	51		
2	Over bed table	Each	424		
3	Saline stand IV Pole Stand	Each	198		
4	Bedside lockers	Each	391		
5	Emergency recovery trolley	Each	29		
6	Patient Wheel chairs	Each	65		
7	Stretchers Trolley	Each	10		
8	Crash cart Trolley	Each	18		

**Supply, Installation testing and commissioning of Hospital Furniture items for Advanced Neuroscience, PGIMER, Chandigarh, Punjab**

<b>Reference No.</b>	<b>HSCC/PGIMER-Chandigarh/Hospital Furniture/2024</b>
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9	Medicine trolley	Each	27		
10	Examination Couch	Each	49		
11	Foot Step	Each	49		
12	Electric Treatment Couch	Each	18		
13	5 Function Mechanical Bed	Each	16		
14	Attendant Bed With Mattress	Each	39		
15	Dressing Trolley	Each	5		
16	3 fold Screen	Each	24		

**Supply, Installation testing and commissioning of Hospital Furniture items for Advanced Neuroscience, PGIMER, Chandigarh, Punjab**

<b>Reference No.</b>	<b>HSCC/PGIMER-Chandigarh/Hospital Furniture/2024</b>
<b>Name of Manufacturer/Bidder</b>	
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17	Cylinder trolley D Type	Each	3		
18	Cylinder trolley B Type	Each	3		
19	Mayo Trolley	Each	10		
20	Kidney Shape trolley	Each	10		
21	Basin Stand	Each	10		
22	Over Head Trolley	Each	10		
23	Side Trolley with Railing	Each	30		
24	Dirty Scrub Bin trolley	Each	8		

**Supply, Installation testing and commissioning of Hospital Furniture items for Advanced Neuroscience, PGIMER, Chandigarh, Punjab**

<b>Reference No.</b>	<b>HSCC/PGIMER-Chandigarh/Hospital Furniture/2024</b>
<b>Name of Manufacturer/Bidder</b>	
<b>Address &amp; Contact Details of the Manufacturer/Bidder submitting the Budgetary Quotation:</b>	

<b>S. No.</b>	<b>Name of Items</b>	<b>Unit</b>	<b>Total Quantity</b>	<b>Rate Per Unit (In Rs.) with inclusive of All Taxes &amp; Duties and 3 Years Warranty</b>	<b>Amount (In Rs)with inclusive of All Taxes &amp; Duties and 3 Years Warranty</b>
25	Double X- Ray View Box	Each	2		
26	Bed side Trolley	Each	5		
27	Stainless steel crash cart	Each	1		
28	Stainless steel patient Bed	Each	10		
29	Stainless steel double Foot Step	Each	8		
30	Stainless steel Patient revolving Stool	Each	115		
31	Height Adjustable revolving and reclining chair	Each	6		
32	Trolley withLinen Hamper Beg	Each	2		
<b>Total Amount In Rs.</b>					<b>0</b>