

Request For Budgetary Estimate of furniture work for Hospital Block, Government Medical College & Hospital, Jalgaon, Maharashtra

HSCC/GMC-JALGAON/Hospital Block-Furniture/2025

Date: 29/09/2025

HSCC (India) Ltd. intends to invite on-line bids from eligible bidders, in single stage two bid systems for Supply, Installation testing and commissioning of furniture work for Hospital Block, Government Medical College & Hospital, Jalgaon, Maharashtra.

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

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 15 days of issue of this Notice at the following address:

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

Soft copy may please be sent to: sk_sharma@hsccltd.co.in , l_singh@hsccltd.co.in

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

Technical Specification of furniture items for Hospital Block, Government Medical College & Hospital, Jalgaon, Maharashtra (All images are indicative only)

1. 3-seater Waiting Chair



Supply Installation of three seater waiting chair, The seat and back to be made up of high-density self-skin 25-30mm thick PU Foam reinforced with 1.2 mm thick MS perforated sheet insert the PU Foam having density of $680 \pm 10 \text{ Kg/m}^3$ with hardness of 55 ± 5 . Seat Size : 52.0 cm (W) X 50.5 cm (D). Back Size: 52.0 cm (W) X 53.5 cm (H), seat height (front): 42.50cm, Overall length: 165.5 cm, depth: 66.5 Cm, height: 87 Cm ($\pm 5\%$ engineering variation in dimension) Cross Beam made from Die-cast Aluminium black powder coated square tube of size $6.0 \pm 0.05 \text{ cm} \times 6.0 \pm 0.05 \text{ cm} \times 0.4 \pm 0.016 \text{ cm}$ thick fitted with polypropylene end caps. Thickness of the seat support and lumber support (minimum): 23 mm, Legs & Armrest Made from Die-cast Aluminium with Powder coated 60 microns. Number of armrests: 04 Nos. Thickness of material of Arms 1.8 mm, Thickness of material of Legs 2.0 mm, Legs are fitted with soft grip PVC level adjusting shoes. Main frame finish with Powder coated of minimum 50-70microns, 3-seater waiting chair as approved by engineer in-charge/employer.

2. Work Station (1500mmx600mm)



Supply Installation of linier workstation size 1500mmWX600mmD x1200-1250mmH ($\pm 5\%$ engineering variation in dimension) Providing and placing of modular partitions system coated aluminium trims and supported on Legs for better air circulation and helps in keeping floor clean. Panels Construction - Each panel consists of Vertical extrusions 2Nos and Horizontal extrusions made of 1.2mm thick aluminium with duly powder coated at every division of tile/block. Each panel have Bottom frame fabricated for 52.4mm panel comprises of L-channels made of 2mm thick CRCA steel (IS: 513), formed plates of 3mm thick HR steel (IS: 2062) & ERW steel tube of size 35x15x1.6mm thick in oval cross section (IS: 7138) welded together. The complete bottom frame shall be powder coated with an average of 50-60 microns thickness of epoxy powder coating. The Bottom Frame is bolted with the Upright verticals. Each Panel is provided with 2Nos Legs of height 120mm are fixed at the bottom frame of the panel. Legs are fabricated by CO2 welded MS Tube of section 38mm x 25mm (IS: 7138 ERW Tube, 38mm x 25mm x 16bg) with the base plate of the MS plate of 35x22x5mm (IS: 2062, 5mm HR) over which an M8 Leveller is fitted which allows for adjustment of the height by 50mm. It will be coated with 45-50micron thickness of epoxy powder coating. Each Panel consists of 2Nos Intermediate blocks. In a 52.4mm Thick panel intermediate block shall comprise of 38mm thick paper honeycomb with 3mm MDF on each side and 0.6mm decorative laminate on both sides. Particle board framing shall be used on outer boundary of these blocks as well as intermediately at certain locations forming conduit for passing cables. These blocks will be located in the middle bands of the panels made out of a composite construction of MDF and paper honeycomb. Each Panel consist of TOP TILES/SPLIT TILES. These tiles shall be slide in to the panels from top before fixing the top horizontal. These tiles shall be supported from top & bottom side with clips made from PP co polymer fitted in

horizontal extrusion. In case of split tiles, it shall be offered in Fabric magnetic tiles, Whiteboard tiles. Each Panel consists a BOTTOM TILE. These bottom tiles shall be press fitted on to the assembly frame of the panel with the help of snap-on clips made of nylon-66 and support clips made from Polypropylene (PP). All partitions and side panels have levelling screws for adjustment in case of uneven floor to take care of +/- 40 mm of uneven flooring. Tile Finishes:

a FABRIC MAGNETIC TILES: Fabric magnetic tiles shall be fabric upholstered metal tiles in 0.6 mm thick G.I. Grade O as per IS: 277. The fabrics shall be upholstered with adhesives.

- FABRIC TACK TILES: Fabric tack able tiles shall be upholstered metal tiles in 0.6mm thick G.I. grade O as per IS: 277, with Polyurethane foam in the tile for tackability. The fabric shall be upholstered with adhesives.

- WHITE BOARD TILES: White board tiles shall be made of 8.0 mm thick particle board conforming to IS: 12823 laminated with 0.6mm thick white glossy high-pressure laminate on outer side & 0.6mm backing laminate on inner surface and will be having all its edges with minimum 0.5 mm thick PVC edging. Aluminium Trims : The top trims and end trims for 52.4 mm shall be made from aluminium extrusion. All kinds of extrusions for 52.4mm shall have average wall thickness of 1.2 mm & having finish of powder coating. Top trim in 52.4mm thick panel shall be press fitted on the horizontal extrusion, it shall be slide fitted with the help of top trim connector made from PP copolymer 3530 grade. End trim for 52.4mm thick panel shall be slide fitted with the help of end trim connector made from 2.0mm thick M.S. CRCA Grade D as per IS: 513. Wire Management - Wires shall be taken into the system through cable ducts from the junction boxes and it is carried upto the panels through concealed conduits inside the blocks. Wires runs through the system from Bottom tile and extended to the top at various locations by the help of 2 nos. vertical Cable Ducts in each panels.

Cable duct shall be made from 0.8 mm thick M.S. CRCA Grade D as per IS: 513 - 1994. It is constructed with two parts, one is body & another is cover. It holds the cables & gives aesthetic appearance by covering all cables entry, which are moving upward to the panels. Size of Cable duct is 107mm W X 154 mm H X 21 mm D. Legs - System shall also have 120 mm high powder coated welded metal legs to give the system an elevated look. Single side legs are fabricated by CO2 welded MS Tube of section 38 mm x 25 mm (IS: 7138 ERW Tube, 38 mm x 25 mm x 16bg) with the base plate of the MS plate of 35mm x 22mm x 5mm (IS: 2062, 5 mm HR) over which an M8 Leveller is fitted. End/Intermediate separator: partitions of 22.8mm thick including powder coated aluminium trims and supported on Legs for better air circulation and helps in keeping floor clean. The 22.8 mm panels are only to be used as Separator/End panels to provide additional privacy. These panels have various finishes and no cable management ability. Panel Construction: The 22.8mm End/Separator panels shall be made of horizontal and vertical uprights. These uprights and horizontals shall be made of aluminium extrusion having material AL96063-T6 & have average wall thickness of 1.2mm & powder coated with epoxy-polyester powder. The Blocks for the End/Separator panels shall be of 16mm to 18mm thickness in the selected finish. The top most block in the panel shall be the top block of the panel. It shall be available in fabric, laminate, whiteboard, fabric metal, tack able and clear glass finishes. The 2Nos blocks in the intermediate bands shall be available in fabric or laminate finish and the lowermost block in the panel shall be the bottom block which shall be in

fabric, metal or laminate finish. Tiles: Tile Finishes in End/Separator Partitions to be provided as per the site and layout approval. Finishes in these panels shall be

- **LAMINATE FINISH BLOCKS:**

Laminate finish blocks shall be made from 18mm thick MDF board, clad with 1mm thick laminate of approved shade.

- **FABRIC FINISH BLOCKS:**

These shall be made from 18mm thick Pre-Laminated MDF Board upholstered with 1mm thick approved shade of fabric using adhesives.

- **WHITEBOARD BLOCKS:**

These shall be made of 16mm thick MDF board laminated with 0.6mm thick white glossy high-pressure laminate on both sides and having all its edges with minimum 0.5 mm thick PVC edging.

- **GLASS BLOCKS:**

These shall be made of 4mm thick toughened plain glass having diamond polish edge finish.

- **FABRIC TACKABLE BLOCKS:**

These shall be made from 18mm thick Pre-Laminated MDF Board battens which hold 3mm MDF in between. 6mm thick Polyurethane foam shall be pasted on 3mm thick MDF and this assembly shall be upholstered with approved shade of fabric on both sides using adhesive.

- **METAL FINISH BLOCKS:**

Metal finish blocks shall be made from two components of 0.8mm thick M.S. CRCA Grade D as per IS: 513 powder coated with epoxy polyester finish. Aluminium Trims: The top trims and end trims for 22.8mm partition shall be made from aluminium extrusion having material AL96063-T6. Top trim in 22.8mm thick panel shall be slide fitted with the help of top trim connector made from PP copolymer 3530 grade. End trim for 52.4mm thick panel shall be slide fitted with the help of end trim connector made from 2.0mm thick M.S. CRCA Grade D as per IS: 513. End trim for 22.8 mm thick panel shall slide with the help of end trim connector made from nylon-66. Work station Worktop as per the approved shape and site requirement made out of 25mm thick prelaminated MDF board. All the open edges of work surface shall be provided with machine pressed 2 mm thick PVC lipping glued with hot melt EVA glue. The work surface shall be provided with circular cut out of Dia.65mm as per the requirement, for passing of wires. These cut outs shall be provided with ABS covers. Worksurfaces are fitted to the panels by worksurface brackets. Brackets are made of 2.0mm thick CRCA grade D steel as per IS : 513-19. Brackets are slide in between end trim and vertical extrusions. computer key board tray of 480mm (L) X 280mm (D) X 40mm(H) made out of CRCA steel as per IS : 513I made of 0.9mm thick powder coated with sliding channels and other fixtures/fittings. It should also have a sliding system for accommodating mouse. CPU Trolley of Size - 345mm(W) x 226(D) x 180mm(H) is made of 1.0 mm thick MS CRCA Sheet and Side support is made of 0.8 mm thick MS CRCA Sheet. It consists of 4Nos non-lockable twin wheel castors are injection moulded in Black Nylon. Mobile Pedestal having 3 Drawers Unit having flat metal front and top with Central locking. The Drawer Unit consists of 2Box and 1File Drawers. The Overall size of the Drawer Units is 450mm(W) X 435mm(D) X 646mm(H). Construction & Material of Drawer Unit: Welded Assembled of 0.8 thick CRCA for Body Shell, Drawer Front & tray, Front Side Stiffener, Rear Side Stiffener & Bottom, 1.2mm thick CRCA Top

Stiffener & Bottom stiffener. Drawer Fronts & Metal Front Straight Edge. All Drawers with Double extension precision ball slide shall be provided. For Drawer pulling, side wise tapered recess provided in shell behind Drawer Fronts. Locking: 10 lever Cam Lock & Central RH locking with actuator & lock channel mechanism. Top Panel: 0.8mm thick Metal Straight Edge Top. Castors: Swivelling non-lockable 4Nos Castors mounted below the body shell. The Total drawer unit is finished with Epoxy Polyester Powder coated to the thickness of 50 microns (+/-10). **Work station as approved by engineer in-charge/employer.**

3. Modular Reception table



Providing & placing of customized reception counter in rectangular shape with two tops. The under structure of table shall be made of 25 mm thick pre laminated Marine plywood, clad with 12 mm thick Corian sheets with desired length thermoformed by using dyes and Molds and pasted and seamlessly finished over. MS pipe framework to be used for strengthening the structure. The item includes cost of 12mm thick CORIAN sheet, 25 mm Marine plywood & MS square pipe, hardware, drawer units, shutter doors with laminated mica or veneers, locking mechanism, foot rest etc. as per architect's drawing and finished as per guidelines of site in charge. The entire structure shall be made of 25 mm thick marine plywood with MS frame work with finish of 1 mm thick laminate, All the edges are sealed with 2 mm thick PVC edge band all around, All the inner surfaces shall be finished with 1mm thick white laminate or as approved by engineer in charge, 6 Nos. Computer key board tray and 6 nos. drawer cabinet shall be provided in reception counter with locking arrangement, Height of all three drawers shall be 150mm, 150mm and 350mm respectively. width: 450 mm , height: 680 mm, Drawer shall be made of 18 mm thick marine plywood with finish of 1 mm thick laminate, All the edges are sealed with 2 mm thick PVC edge band all around. Each drawer shall slide on a pair of telescopic drawer sliders (Approved make). The inside portion of drawer to be finished with white laminate. provided double Front panel to mount Electrical Switches and sockets, working Top

height must be 750mm. Counter top height must be 1050 to 1200mm. Depth of working top must be 650 mm to 750 mm,, ($\pm 5\%$ engineering variation in dimension) All Hardware: The high quality hardware used like Roller slides, Hinges, mini-fix, dowels, handle, screw etc is make of Hettich/Ebco/or equivalent/or as approved by engineer in-charge/employer, (Ply and Laminate Make: CENTURY/Action Tesa/GREENPLY or equivalent/or as approved by engineer in-charge/employer), Designee and colour of reception table as approved by engineer in-charge/employer.

4. Chair of reception Table



SEAT/BACK ASSEMBLY: The Cushioned seat assembly cons should be ts of seat outer (material-30% Glass Fiber Nylon) & upholstered Seat inner (material- Poly Propylene) with moulded Polyurethane foam & polyester fabric. The Net Back should be made up of Back outer (material-Glass Fiber Filled Nylon) & Back inner (material- PP) and upholstered using Polyester Mesh fabric with high tenacity yarn. The product should be GREENGUARD Compliance Certificate AND INDOOR AIR QUALITY Compliance Certificate.

Full Back Size: 46.5 cm. (W) x 68.0 cm. (H) ($\pm 5\%$ engineering variation in dimension)

Seat Size: 51.0 cm. (W) x 49.0 cm. (D) ($\pm 5\%$ engineering variation in dimension) HIGH

RESILIENCE (HR) POLYURETHANE FOAM: The HR Polyurethane foam should be moulded with density = $45 \pm 2 \text{ kg/m}^3$ and Hardness load $12 \pm 2 \text{ kgf}$ for 25% compression. **BACK SPINE:** The support spine should be made up of High Pressure Die

cast polished had Aluminium. **ARMRESTS:** The armrest should be having two adjustments, Height ($6.0 \pm 0.5 \text{ cm}$) and Depth ($6.0 \pm 0.5 \text{ cm}$). Height adjustment should be provided in Aluminium structure of armrest which should be connected to Aluminium Back spine and should be operated by button. The depth adjustment should be provided in pad which should be fixed to armrest structure. Armrest Top should be made up of PU moulded over plastic inner. **ACTIVE BIO-SYNCHRO mechanism:**

The adjustable tilting mechanism should be designed with the following features:

- 360° revolving type

- Front-pivot for tilt with feet resting on ground & continuous lumber support ensuring more comfort
- Tilt tension adjustment can be operated in seating position
- 5 position Tilt limiter giving option of variable tilt angle to the chair
- Seat / back tilting ratio of 1:2
- The mechanism housing should be made up of HPDC aluminium & black powder coated (DFT 40 to 60 micron) SEAT DEPTH ADJUSTMENT: Seat depth adjustment should be integrated in the seat through a sliding mechanism. Seat depth adjustment range should be of 3.75 ± 0.1 cm LUMBAR SUPPORT ASSEMBLY: The Lumbar support assembly should consist of lumbar spine (material-Glass Fiber Filled Nylon) which should be fixed to aluminium Back spine. The Lumbar pad (material- Poly Propylene) should be fixed to lumbar spine through lumbar Pad support. Lumbar Support Assembly has height adjustment of 5.0 ± 0.5 cm PNEUMATIC HEIGHT ADJUSTMENT: The pneumatic height adjustment has an adjustment stroke of 10.0 ± 0.3 cm. PEDESTAL ASSEMBLY WITH CASTORS: The pedestal should be High Pressure Die cast polished aluminium and fitted with 5 nos. twin wheel castors. The pedestal should be 65.0 ± 0.5 cm. pitch-centre dia. (75.0 ± 1.0 cm. With castors.) TWIN WHEEL CASTORS: The twin wheel castors should be injection moulded in black PP having 6.0 ± 0.1 cm wheel Diameter.

5. Police Room Table



Supplying and placing of table with overall size of 1500mmW X 750mmD X 750mmH ($\pm 5\%$ engineering variation in dimension). The table Made of 25mm (± 1 mm) Thick prelaminated MDF board as per IS 14587: 1998 with approved shade, All Exposed edges of pre-laminated MDF board to be sealed with 2mm thick PVC edge banding tape pressed at 200o C to be applied with the help of hot-melt glue through fit edge-banding machines. The Edge-banding of exposed area to be done in the way that there should not be any sharp edge or corner left after processing. All the exposed edges should have buffing radius of 1.5 to 2mm without affecting aesthetic value of the panel.

Access Flap provided on work surface for wire management. The Gabel and Modesty panel is made of 18mm (± 1 mm) thick prelaminated MDF board as per IS 14587: 1998 with approved shade, All Exposed edges of pre-laminated MDF board to be sealed with

2mm thick PVC edge banding tape pressed at 200o C to be applied with the help of hot-melt glue through fit edge-banding machines. The Edge-banding of exposed area to be done in the way that there should not be any sharp edge or corner left after processing. All the exposed edges should have buffing radius of 1.5 to 2mm without affecting aesthetic value of the panel. Top, sides and bottoms (of each product) fixed up system: By using mini fix, supporting bracket/corner and wooden dowel in (knock down) system for interconnecting (MDF board). Design / Shape of table: Rectangular and taper inside at both side ends.

Mobile Pedestal Drawer Unit: Each Table should be provided with 3 drawer Wooden Mobile Pedestal having of 2 sliding Drawer and 1file Box mounted on 4 castors with front 2 castors lockable. The drawer top, and side panels including the drawer fascia is made out of 18mm (± 1 mm) thick Pre-laminated MDF board as per IS 14587(1998), the back of the drawer unit is made from 9mm (± 1 mm) thick Pre-laminated MDF board as per IS 14587(1998). The units are assembled by knockdown fittings such as Mini fix & dowels. The drawer is mounted on rollers slides to enable smooth operation of the drawer. The pedestals shall have central locking mechanism. D/C type slim Handle for Drawer and Shutter. Size of lockable castors for pedestal storage unit ± 2 mm: Diameter 40 mm and height 55 mm, Mobile Pedestal size shall be 400mm W x 550mm D x 585mm H($\pm 5\%$ engineering variation in dimension), All Hardware: All Hardware: The high-quality hardware like Roller slides, SS Hinges, Mini fix, SS handles, locks, wooden dowels, screw, shall be used of Hettich/Ebco make or equivalent or as approved by engineer in charge/employer, MDF Board and Laminate Make: Century/Action Tesa/ Green ply/Merino/Greenlam or equivalent/or as approved by engineer in-charge/employer) Table to be complete as per approved sample or as per direction of Engineer-in-charge/employer.

6. Chair for Police Room/nurse station



Supply and installation of Chair as per technical specification. Providing and Placing High Back Chair with overall size of 76.0 cm W x 76.0 cm D x 96.5 – 114 cm H x 43.0 – 53.0 cm ($\pm 5\%$ engineering variation in dimension) Seat Height. The seat is cushioned seat made of injection moulded plastic/12 mm thick Plywood. Plastic inner/12 mm thick Plywood is upholstered with leatherette and moulded high resilience polyurethane foam of density $45 \pm 2 \text{ kg/m}^3$, & hardness load of $16 \pm 2 \text{ kgf}$ as per IS:7888 for 25% compression. Seat Size is 47.0 W cm x 48.0 D cm. The back is cushioned made of PU foam with insitu moulded M.S. ERW round tube of size $1.9 \pm 0.03 \text{ cm} \times 0.16 \pm 0.0128 \text{ cm}$, upholstered with leatherette. The back size is 47.7 W cm x 76.4 D cm ($\pm 5\%$ engineering variation in dimension), The armrest top is moulded from polyurethane and mounted on to a drop lift adjustable type tubular armrest support made of $\varnothing 3.81 \pm 0.03 \text{ cm} \times 0.2 \pm 0.01 \text{ cm}$ thick M.S. ERW tube having chrome plated finish. The armrest is height adjustable up to $6.5 \pm 0.5 \text{ cm}$ in 5 steps. The adjustable tilting mechanism is designed with following features: 360° revolving type, front-pivot for tilt with feet resting on ground and continuous lumbar support ensuring more comfort, tilt tension adjustment can be operated in seating position, 5-position tilt limiter giving option of variable tilt angle to the chair, Seat/back tilt ratio 1:2, The mechanism housing is made up of HPDC aluminium black powder coated. Seat depth adjustment is integrated in the seat through a sliding mechanism. Seat depth adjustment range is of $6.0 \pm 0.5 \text{ cm}$. Back frame is connected to the up/down mechanism in plastic T spine. It can be adjusted in the range of 7.42 ± 0.5 comfort the comfortable back support to suit individual need. The pneumatic height adjustment has an adjustment stroke of $10.0 \pm 0.3 \text{ cm}$. The pedestal is high pressure die cast polished aluminium & fitted with 5 nos. of twin wheel castors. The pedestal is $65.0 \pm 0.5 \text{ cm}$ pitch centre dia. ($75.0 \pm 1.0 \text{ cm}$ with castors). 5 nos. of twin wheel castors are injection moulded in plastic having $6.0 \pm 0.1 \text{ cm}$ wheel diameter and assembled to pedestal. Chair as approved by engineer in-charge/employer.

7. Visitor Chair



Supply and installation of visitor Chair, the overall dimensions of the chair shall be 609mm (± 1 mm) x 643mm x 996mm. ($\pm 5\%$ engineering variation in dimension) The seat height shall be 448mm. The cushioned seat and back is made of injection moulded Plastic outer & inner/12 mm thick Plywood. Plastic inner/12 mm thick Plywood inner is upholstered with stitched cover and moulded high Resilience 50 mm thick Polyurethane foam of density 45kg per meter cube. The stitched cover is made from spacer fabric and leatherette. Seat size shall be 470mm x 480mm. ($\pm 5\%$ engineering variation in dimension) The Back size shall be 450mm x 605mm. ($\pm 5\%$ engineering variation in dimension) The armrests top is moulded from PU and mounted on to a drop lift adjustment type tubular armrest support made of 38mm diameter x 2.0mm thick MS ERW tube. The tubular frame shall be powder coated DFT 40-60 microns and is cantilever type and made of 25.4mm X 2.0mm thick MS ERW tube. The back is connected to frame through powder coated high pressure die cast connector piece. **chair as approved by engineer in-charge/employer.**

8. Office table with side unit for Doctor and Consultant Room (1650mmx700mm)



Providing & Fixing High end Table with Combination of Main Table with Extended Return Unit with Pedestal Storage Unit: -

MAIN TABLE of size 1650mmW x 700mmD x 750mmH ($\pm 5\%$ engineering variation in dimension) with top made of 36mm thick, MDF board as per IS 12406 and veneer with PU finish having scratch resistance of 2H. The gable end of 25mm thick. MDF board as per

IS 12406 and veneer with PU finish having scratch resistance of 2H, The table has provision with Aluminium Anodized Access Flap for better electrical provision.

The Gabel and Modesty panel is made of 18mm thick MDF board as per IS 12406 and veneer with PU finish having scratch resistance of 2H, All Exposed edges of pre-laminated MDF board to be sealed with 2mm thick PVC edge banding tape pressed at 200o C to be applied with the help of hot-melt glue through fit edge-banding machines. The Edge-banding of exposed area to be done in the way that there should not be any sharp edge or corner left after processing. All the exposed edges should have buffing radius of 1.5 to 2mm without affecting aesthetic value of the panel. Top, sides and bottoms (of each product) fixed up system: By using mini fix, supporting bracket/corner and wooden dowel in (knock down) system for interconnecting (MDF board). Design / Shape of table: Rectangular and taper inside at both side ends.

Extended Return Unit

Extended Return Unit size 1000 mm L X 600mmD X 750mmH: The Side unit top is made up of 25mm thick MDF board as per IS 12406 and veneer with PU finish having scratch resistance of 2H, under structure is made up of 18mm thick MDF board as per IS 12406 and veneer with PU finish having scratch resistance of 2H All Exposed edges of pre-laminated MDF board to be sealed with 2mm thick PVC edge banding tape pressed at 200o C to be applied with the help of hot-melt glue through fit edge-banding machines. The Edge-banding of exposed area to be done in the way that there should not be any sharp edge or corner left after processing. All the exposed edges should have buffing radius of 1.5 to 2mm without affecting aesthetic value of the panel. The side unit is combination of 1 open able shutter storage with proper locking arrangement, two open shelves and 1 CPU Storage Drawer/storage shutter pull up mechanism: Groove type,

Mobile Pedestal Drawer Unit: Each Table should be provided with 3 drawer Wooden Mobile Pedestal having of 2 sliding Drawer and 1file Box mounted on 4 castors with front 2 castors lockable. The drawer top, and side panels including the drawer fascia is made out of 18mm thick Pre-laminated MDF board as per IS 14587(1998), the back of the drawer unit is made from 9mm thick Pre-laminated MDF board as per IS 14587(1998). The units are assembled by knockdown fittings such as Mini fix & dowels. The drawer is mounted on rollers slides to enable smooth operation of the drawer. The pedestals shall have central locking mechanism. D/C type slim Handle for Drawer and Shutter. Size of lockable castors for pedestal storage unit ± 2 mm: Diameter 40 mm and height 55 mm, Mobile Pedestal size shall be 400mm W x 550mm D x 585mm H, All Hardware: The high quality hardware used like Roller slides, Hinges, mini-fix, dowels, handle, screw etc is make of Hettich/Ebco/or equivalent or as approved by engineer in-charge, MDF Board Make: Century/Action Tesa/Green ply/ or equivalent or as approved by engineer in-charge/employer) Table to be complete as per approved sample or as per direction of Engineer-in-charge/employer.

9. High back revolving chair



Providing and Placing High Back Chair with overall size of 1135mm – 1310 mm H , 760mm W x 760mm D x Seat Height 440mm – 540mm ($\pm 5\%$ engineering variation in dimension)

Seat Size is 460mm Wx 480mm D. ($\pm 5\%$ engineering variation in dimension) The seat is cushioned seat made of injection molded plastic outer & inner/12 mm thick Plywood. Plastic inner/12 mm thick Plywood is upholstered with leatherette and molded high resilience polyurethane foam of density $45 \pm 2 \text{ kg/m}^3$, & hardness load of $16 \pm 2 \text{ kgf}$ as per IS:7888 for 25% compression.

The back size is 465mm Wx 755mmD ($\pm 5\%$ engineering variation in dimension)

The back is cushioned made of PU foam with insitu molded M.S. ERW round tube of size $1.9 \pm 0.03 \text{ cm} \times 0.16 \pm 0.0128 \text{ cm}$, upholstered with leatherette.

The armrest top is molded from polyurethane and mounted on to a drop lift adjustable type tubular armrest support made of dia $3.81 \pm 0.03 \text{ cm} \times 0.2 \pm 0.01 \text{ cm}$ thick M.S. ERW tube having chrome plated finish. The armrest is height adjustable up to $6.5 \pm 0.5 \text{ cm}$ in 5 steps.

chair shall feature like tilting mechanism is designed with following features : 360° revolving type, front-pivot for tilt with feet resting on ground and continuous lumbar support ensuring more comfort, tilt tension adjustment can be operated in seating position, 5-position tilt limiter giving option of variable tilt angle to the chair, Seat/back tilt ratio 1:2, The mechanism housing is made up of HPDC aluminium black powder coated. Seat depth adjustment is integrated in the seat through a sliding mechanism. Seat depth adjustment range is of $6.0 \pm 0.5 \text{ cm}$. Back frame is connected to the up/down mechanism in plastic T spine. It can be adjusted in the range of 7.42 ± 0.5 comfort the comfortable back support to suit individual need. The pneumatic height adjustment has an adjustment stroke of $10.0 \pm 0.3 \text{ cm}$.

The pedestal is high pressure die cast polished aluminium & fitted with 5 nos. of twin wheel castors. The pedestal is $650 \pm 5 \text{ mm}$ pitch centre dia. ($750 \pm 10 \text{ mm}$ with castors). 5 nos. of twin

wheel castors are injection molded in plastic having 6.0 ± 0.1 cm wheel diameter and assembled to pedestal, **chair as approved by engineer in-charge/employer**

10. Mid Back Visitor Chair



Supply and installation of visitor Chair, the overall dimensions of the chair shall be 609mm (± 1 mm) x 643mm x 996mm. ($\pm 5\%$ engineering variation in dimension) The seat height shall be 448mm. The cushioned seat and back is made of injection moulded Plastic outer & inner/12 mm thick Plywood. Plastic inner/12 mm thick Plywood inner is upholstered with stitched cover and moulded high Resilience 50 mm thick Polyurethane foam of density 45kg per meter cube. The stitched cover is made from spacer fabric and leatherette. Seat size shall be 470mm x 480mm. ($\pm 5\%$ engineering variation in dimension) The Back size shall be 450mm x 605mm. ($\pm 5\%$ engineering variation in dimension) The armrests top is moulded from PU and mounted on to a drop lift adjustment type tubular armrest support made of 38mm diameter x 2.0mm thick MS ERW tube. The tubular frame shall be powder coated DFT 40-60 microns and is cantilever type and made of 25.4mm X 2.0mm thick MS ERW tube. The back is connected to frame through powder coated high pressure die cast connector piece. **chair as approved by engineer in-charge/employer.**

11. Bed Side Locker



Supply and Installation of bedside locker has two drawer and cabinet without lock and with plastic moulded handle. Cabinet is Provided without lock to keep the items for the safety.

overall dimensions is 490mmW x 410mm D x 941mm H ($\pm 5\%$ engineering variation in dimension), 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 (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 moulded knob is Provisioned with Matt finish and dome shaped for better grip. Plastic moulded castors with 50 mm diameter placed in diagonal locking arrangement. RAL white, plastic parts in Grey. 5 kg UDL on both the tops and 20 kg in the cabinet.

All metal components are pretreated with zinc phosphating in 7 tank process and then powder coated with anti-microbial epoxy polyester powder coating to fulfil 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. **Locker as approved by engineer in-charge/employer.**

12. OVER BED TABLE



Supply Installation of Over Bed Table size (L)896 mm X (W)395 mm X (H) ($\pm 5\%$ Engineering Variation) Adjustable from 801 mm to 1077 mm OBT should be a height adjustable Over Bed Table. Table top Height can be adjusted with the help of operating lever which activates the gas spring. Base frame should be made of ERW round tube with 50.8 mm diameter and 1.6 mm thickness. Housing should be made of aluminium 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 providing 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 Pre-laminated MDF (Medium Density Fiber Board) E1 standard with 0.4mm PVC membrane pressed with section 395 mm x 896 mm of 18 mm thickness. Membrane pressed Pre-laminated MDF (Medium Density Fiber Board) E1 standard with 0.4mm PVC membrane pressed board of frosty white shade on top surface and with edge lipping. Top: Pre-laminated MDF (Medium Density Fiber Board) E1 standard with 0.4mm PVC membrane pressed top with membrane press, should give anti-scratch Property with good surface finish. Also, Glass Holder profiling should be provided on to it. Castors: High endurance anti-static, Plastic injection moulded castors are provided of $\varnothing 50$ mm Powder coating should be Bacteriostatic and thermosetting epoxy polyester, formulated to fulfil the requirements for bacterial protection. Powder coating should be Bacteriostatic and thermosetting epoxy polyester, formulated to fulfil the requirements for bacterial protection. Max Safe Working Load: 20 kg, should be supplied in knocked down construction to reduce carbon emission. Over Bed Table as approved by engineer in-charge/employer.

13. work station (1500mmW1 x 1500mm W2x1200mm Height 600mm Depth)



Supply and installation of work station as per technical specification. work station size (1500mmW1 x 1500mm W2x1200mm Height 600mm Depth) ($\pm 5\%$ engineering variation in dimension) Providing and placing of modular partitions system coated aluminium trims and supported on Legs for better air circulation and helps in keeping floor clean. Panels Construction - Each panel consists of Vertical extrusions 2Nos and Horizontal extrusions made of 1.2mm thick aluminium with duly powder coated at every division of tile/block. Each panel have Bottom frame fabricated for 52.4mm panel comprises of L-channels made of 2mm thick CRCA steel (IS: 513), formed plates of 3mm thick HR steel (IS: 2062) & ERW steel tube of size 35x15x1.6mm thick in oval cross section (IS: 7138) welded together. The complete bottom frame shall be powder coated with an average of 50-60 microns thickness of epoxy powder coating. The Bottom Frame is bolted with the Upright verticals. Each Panel is provided with 2Nos Legs of height 120mm are fixed at the bottom frame of the panel. Legs are fabricated by CO2 welded MS Tube of section 38mm x 25mm (IS: 7138 ERW Tube, 38mm x 25mm x 16bg) with the base plate of the MS plate of 35x22x5mm (IS: 2062, 5mm HR) over which an M8 Leveller is fitted which allows for adjustment of the height by 50mm. It will be coated with 45-50micron thickness of epoxy powder coating. Each Panel consists of 2Nos Intermediate blocks. In a 52.4mm Thick panel intermediate block shall comprise of 38mm thick paper honeycomb with 3mm MDF on each sides and 0.6mm decorative laminate on both sides. Particle board framing shall be used on outer boundary of these blocks as well as intermediately at certain locations forming conduit for passing cables. These blocks will be located in the middle bands of the panels made out of a composite construction of MDF and paper honeycomb. Each Panel consist of TOP TILES/SPLIT TILES. These tiles shall be slide in to the panels from top before fixing the top horizontal. These tiles shall be

supported from top & bottom side with clips made from PP co polymer fitted in horizontal extrusion. In case of split tiles it shall be offered in Fabric magnetic tiles, Whiteboard tiles. Each Panel consists a BOTTOM TILE. These bottom tiles shall be press fitted on to the assembly frame of the panel with the help of snap on clips made of nylon-66 and support clips made from Polypropylene (PP). All partitions and side panels have levelling screws for adjustment in case of Uneven floor to take care of +/- 40 mm of uneven flooring. Tile Finishes :

a FABRIC MAGNETIC TILES: Fabric magnetic tiles shall be fabric upholstered metal tiles in 0.6 mm thick G.I. Grade O as per IS: 277. The fabrics shall be upholstered with adhesives.

- FABRIC TACK TILES: Fabric tack-able tiles shall be upholstered metal tiles in 0.6mm thick G.I. grade O as per IS: 277, with Polyurethane foam in the tile for tack-ability. The fabric shall be upholstered with adhesives.

- WHITE BOARD TILES: White board tiles shall be made of 8.0 mm thick particle board conforming to IS: 12823 laminated with 0.6mm thick white glossy high-pressure laminate on outer side & 0.6mm backing laminate on inner surface and will be having all its edges with minimum 0.5 mm thick PVC edging. Aluminium Trims: The top trims and end trims for 52.4 mm shall be made from aluminium extrusion. All kinds of extrusions for 52.4mm shall have average wall thickness of 1.2 mm & having finish of powder coating.

Top trim in 52.4mm thick panel shall be press fitted on the horizontal extrusion, it shall be slide fitted with the help of top trim connector made from PP copolymer 3530 grade.

End trim for 52.4mm thick panel shall be slide fitted with the help of end trim connector made from 2.0mm thick M.S. CRCA Grade D as per IS: 513. Wire Management - Wires shall be taken into the system through cable ducts from the junction boxes and it is carried upto the panels through concealed conduits inside the blocks. Wires runs through the system from Bottom tile and extended to the top at various locations by the help of 2 nos. vertical Cable Ducts in each panel.

Cable duct shall be made from 0.8 mm thick M.S. CRCA Grade D as per IS: 513 - 1994. It is constructed with two parts, one is body & another is cover. It holds the cables & gives aesthetic appearance by covering all cables entry, which are moving upward to the panels. Size of Cable duct is 107mm W X 154 mm H X 21 mm D. Legs - System shall also have 120 mm high powder coated welded metal legs to give the system an elevated look. Single side legs are fabricated by CO2 welded MS Tube of section 38 mm x 25 mm (IS: 7138 ERW Tube, 38 mm x 25 mm x 16bg) with the base plate of the MS plate of 35mm x 22mm x 5mm (IS: 2062, 5 mm HR) over which an M8 Leveller is fitted. End/Intermediate separator: partitions of 22.8mm thick including powder coated aluminium trims and supported on Legs for better air circulation and helps in keeping floor clean. The 22.8 mm panels are only to be used as Separator/End panels to provide additional privacy. These panels have various finishes and no cable management ability. Panel Construction: The 22.8mm End/Separator panels shall be made of horizontal and vertical uprights. These uprights and horizontals shall be made of aluminium extrusion having material AL96063-T6 & have average wall thickness of 1.2mm & powder coated with epoxy-polyester powder. The Blocks for the End/Separator panels shall be of 16mm to

18mm thickness in the selected finish. The top most block in the panel shall be the top block of the panel. It shall be available in fabric, laminate, whiteboard, fabric metal, tackable and clear glass finishes. The 2Nos blocks in the intermediate bands shall be available in fabric or laminate finish and the lowermost block in the panel shall be the bottom block which shall be in fabric, metal or laminate finish. Tiles: Tile Finishes in End/Separator Partitions to be provided as per the site and layout approval. Finishes in these panels shall be

- **LAMINATE FINISH BLOCKS:**

Laminate finish blocks shall be made from 18mm thick particle board, clad with 1mm thick laminate of approved shade.

- **FABRIC FINISH BLOCKS:**

These shall be made from 18mm thick Pre-Laminated Particle Board upholstered with 1mm thick approved shade of fabric using adhesives.

- **WHITEBOARD BLOCKS:**

These shall be made of 16mm thick particle board laminated with 0.6mm thick white glossy high-pressure laminate on both sides and having all its edges with minimum 0.5 mm thick PVC edging.

- **GLASS BLOCKS:**

These shall be made of 4mm thick toughened plain glass having diamond polish edge finish.

- **FABRIC TACKABLE BLOCKS:**

These shall be made from 18mm thick Pre-Laminated Board battens which hold 3mm MDF in between. 6mm thick Polyurethane foam shall be pasted on 3mm thick MDF and this assembly shall be upholstered with approved shade of fabric on both sides using adhesive.

- **METAL FINISH BLOCKS:**

Metal finish blocks shall be made from two components of 0.8mm thick M.S. CRCA Grade D as per IS: 513 powder coated with epoxy polyester finish. Aluminium Trims : The top trims and end trims for 22.8mm partition shall be made from aluminium extrusion having material AL96063-T6. Top trim in 22.8mm thick panel shall be slide fitted with the help of top trim connector made from PP copolymer 3530 grade. End trim for 52.4mm thick panel shall be slide fitted with the help of end trim connector made from 2.0mm thick M.S. CRCA Grade D as per IS: 513. End trim for 22.8 mm thick panel shall slide with the help of end trim connector made from nylon-66. Workstation Worktop as per the approved shape and site requirement made out of 25mm thick prelam particle board. All the open edges of work surface shall be provided with machine pressed 2 mm thick PVC lipping glued with hot melt EVA glue. The work surface shall be provided with circular cut out of Dia.65mm as per the requirement, for passing of wires. These cut outs shall be provided with ABS covers. Worksurfaces are fitted to the panels by worksurface brackets. Brackets are made of 2.0mm thick CRCA grade D steel as per IS : 513-19. Brackets are slide in between end trim and vertical extrusions. Computer key board tray of 480mm (L) X 280mm (D) X 40mm(H) made out of CRCA steel as per IS : 513I made of 0.9mm thick powder coated with sliding channels and other fixtures/fittings. It should also have a sliding system for accommodating mouse. CPU Trolley of Size - 345mm(W) x 226(D) x 180mm(H) is made of 1.0 mm thick MS

CRCA Sheet and Side support is made of 0.8 mm thick MS CRCA Sheet. It consists of 4Nos Non-lockable twin wheel castors are injection moulded in Black Nylon. Mobile Pedestal having 3 Drawers Unit having flat metal front and top with Central locking. The Drawer Unit consists of 2Box and 1File Drawers. The Overall size of the Drawer Units is 450mm(W) X 435mm(D) X 646mm(H). Construction & Material of Drawer Unit : Welded Assembled of 0.8 thick CRCA for Body Shell, Drawer Front & tray, Front Side Stiffener, Rear Side Stiffener & Bottom, 1.2mm thick CRCA Top Stiffener & Bottom stiffener. Drawer Fronts & Metal Front Straight Edge. All Drawers with Double extension precision ball slide shall be provided. For Drawer pulling, side wise tapered recess provided in shell behind Drawer Fronts. Locking:10 lever Cam Lock & Central RH locking with actuator & lock channel mechanism. Top Panel : 0.8mm thick Metal Straight Edge Top. Castors: Swivelling non-lockable 4Nos Castors mounted below the body shell. The Total drawer unit is finished with Epoxy Polyester Powder coated to the thickness of 50 microns (+/- 10). All Hardware: The high-quality hardware used like Roller slides, Hinges, mini-fix, dowels, handle, screw etc. is make of Hettich/Ebco/ or equivalent or as approved by engineer in-charge/employer, MDF Board Make: Century/Action Tesa/Green ply/ or equivalent or as approved by engineer in-charge/employer).

14. Work Station Chair.



Supply and installation of Chair as per technical specification. Providing and Placing High Back Chair with overall size of 76.0 cm W x 760 cm D x 96.5 – 114 cm H x 43.0 – 53.0 cm ($\pm 5\%$ engineering variation in dimension) Seat Height. The seat is cushioned seat made of injection moulded plastic/12 mm thick Plywood. Plastic inner/12 mm thick Plywood is upholstered with leatherette and moulded high resilience polyurethane foam of density $45 \pm 2 \text{ kg/m}^3$, & hardness load of $16 \pm 2 \text{ kgf}$ as per IS:7888

for 25% compression. Seat Size is 47.0 W cm x 48.0 D cm. The back is cushioned made of PU foam with insitu moulded M.S. ERW round tube of size $1.9 \pm 0.03 \text{ cm} \times 0.16 \pm 0.0128 \text{ cm}$, upholstered with leatherette. The back size is 47.7 W cm x 76.4 D cm ($\pm 5\%$ engineering variation in dimension), The armrest top is moulded from polyurethane and mounted on to a drop lift adjustable type tubular armrest support made of $\varnothing 3.81 \pm 0.03 \text{ cm} \times 0.2 \pm 0.01 \text{ cm}$ thick M.S. ERW tube having chrome plated finish. The armrest is height adjustable up to $6.5 \pm 0.5 \text{ cm}$ in 5 steps. The adjustable tilting mechanism is designed with following features: 360° revolving type, front-pivot for tilt with feet resting on ground and continuous lumbar support ensuring more comfort, tilt tension adjustment can be operated in seating position, 5-position tilt limiter giving option of variable tilt angle to the chair, Seat/back tilt ratio 1:2, The mechanism housing is made up of HPDC aluminium black powder coated. Seat depth adjustment is integrated in the seat through a sliding mechanism. Seat depth adjustment range is of $6.0 \pm 0.5 \text{ cm}$. Back frame is connected to the up/down mechanism in plastic T spine. It can be adjusted in the range of 7.42 ± 0.5 comfort the comfortable back support to suit individual need. The pneumatic height adjustment has an adjustment stroke of $10.0 \pm 0.3 \text{ cm}$. The pedestal is high pressure die cast polished aluminium & fitted with 5 nos. of twin wheel castors. The pedestal is $65.0 \pm 0.5 \text{ cm}$ pitch centre dia. ($75.0 \pm 1.0 \text{ cm}$ with castors). 5 nos. of twin wheel castors are injection moulded in plastic having $6.0 \pm 0.1 \text{ cm}$ wheel diameter and assembled to pedestal. Chair as approved by engineer in-charge/employer.

15. Steel Almirah



Providing and placing of Steel Almirah overall size: 916mm(W)x486mm(D)x1980mm(H) ($\pm 5\%$ engineering variation in dimension)

with welded construction. Almirah shall be made of CRCA 'D' grade high yield strength, CRCA sheets conforming to grade as per CRI of IS 513 (part-1):2016, It should have 4 Nos. shelves with thickness of 1.0 mm, Back thickness of 1.0 mm, Door thickness of 1.0 mm (high yield strength) and stiffener shall be provided in door up to full height, Width of stiffener: 115 mm, Stiffener sheet thickness: 0.8 mm and all other components shall have thickness of 1.0 mm. The Steel Almirah should have a Mazak handle and Three-way locking mechanism with Shooting Bolts. It should have a height wise adjustable shelf mounting which shall have a Uniformly distributed load (UDL) for shelves: 80 Kg. Almirah also have a M10 Screw type Leveller with Hex plastic base, Number of hinges (for each door): 03 Nos. Hinges sheet thickness: 2 mm, Pedestal height (± 5 mm): 125 mm, The finishing shall include Epoxy powder coated with thickness of 50 microns ($\pm 10\%$). Powder coating: Conforming to IS: 13871. . The product should be complete and as per sample approved & as per direction of Engineer-in-charge/employer.

16. FULLY MOTORISED BED WITH MATTRESS (ICU/ PRE-OPERATIVE/ POST-OPERATIVE)



Supply and installation of fully automatic remote control 4 section Intensive care unit bed. The system should be electrically operable by handheld wired remote control which can be placed on each side of the bed for adjustments of back rest, knee rest, heights, Trendelenburg, reverse Trendelenburg, single touch cardiac chair position & automatic CPR positions. The beds lower leg rest section should be operable on ratchet mechanism for attaining DVT position. The overall dimension should be 2250mm (L)x 1010mm(W)x Height adjusted from 425 mm to 775 mm without mattress($\pm 5\%$ engineering variation in dimension) Base frame and support frame should be made up of Epoxy powder coated CRCA tubes of size 30mmx 60mmx 2mm thick with the bed frame of 50mmx 25mm and 40 x20mm, 2mm thick rectangular CRCA tube, 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 to avoid any obstruction during bed movement, the bed should have head and foot panels detachable by hand without need of any tool. Bed should have ABS/Polymer moulded swing down safety side railings on both sides, Side railings to be provided for full coverage of the length of the bed to avoid patient fall, the gap between two sideboards and gap between side boards and head/foot boards should be as per IEC entrapment norms. It should have provision for carrying out the X-Ray for backrest area by radio translucent backrest top. There should be provision for X-ray cassette holder under the backrest. The pelvic, upper leg rest and lower leg rest area of the lying surface of the bed should be made of 4 nos. ABS removable cover. Bed should have digital/analog indicators for angle display. Bed should have one touch key provision on the control panel for CPR position and manual CPR option in case of automatic system failure, Should have one touch key provision on the control panel for Auto Contour position, Bed position adjustments: Mattress platform height: 425-775mm{+/- 5%}, Back rest 0- 65 degree or more, Knee rest 0-24 degree or more, Trendelenburg : 0-15 degree or more, Reverse Trendelenburg: 0-15 degree or more, Should have battery backup of at least 1 hour, Should have patient working load of minimum 180 kg, Should have safe working load of minimum 200 KG, bed should have 125mm diameter 4 no's twin wheel plastic polymer with metal insert castors, with central and directional locking facility. TPE rotating bumpers of diameter 92 mm, height 69 mm with 40-50 shore hardness are Provided at four corners to protect the bed and patient from impact and avoid damages to wall, bed should have provision for holding of IV pole on 4 corners and to be supplied with 1 no's of SS 304 Grade heavy duty IV Pole (2 hook type), 1 Nos. 4 section PU foam mattress shall be provided with 100mm thickness which is covered by heavy helium material should be stretchable type, water resistance, fire retardant, anti-microbial property and X-ray permeable. System configuration, 2 no's, urine bag holders shall be provided in both side of bed, 1 Nos chart holder, 1 nos. front loading medium sized MS made oxygen cylinder cage, power supply : Power input should be suitable for 230V AC , 50 HZ. Power supply fitted with Indian plug with rechargeable battery backup of at least 1 hour, the offered model should be USFDA Certified or European CE Certificate from 4 digit notifying body or BIS, Certificate copy of the same should be submitted along with technical bid, The service provider should have necessary equipment recommended by the manufacturer to carry out preventive maintenance test as per guidelines provided in the service/maintenance manual, HDU/ICU Bed as approved by engineer in-charge/employer.

17. Work Table for Office



Work table size: 1200mm Width x 600mm Depth x 750mm Height ($\pm 5\%$ engineering variation in dimension), The table top shall be made from 25 mm thick Pre-laminated MDF Board conforming to Grade SBG II of IS 12406/2003, side panel made from 25 mm thick Pre-laminated MDF Board conforming to Grade SBG II of IS 12406/2003, the side panels have 2 glide screws each for levelling of the desk and Modesty panel shall be made from 18 mm thick Pre-laminated MDF Board conforming to Grade SBG II of IS 12406/2003, thickness of laminate is 1 mm thick, E1 grade Pre-laminated MDF Board and laminate with zero urea formaldehyde emissions ($\leq 8\text{mg}/100\text{ g oven dry board-perforated method}$) for better in-house quality. This should comply with (EN 120-1992). All Exposed edges of pre-laminated MDF board to be sealed with 2mm thick PVC edge banding on the user side and 0.8mm thick PVC edge-banding tape pressed on top and bottom side at 200o C to be applied with the help of hot-melt glue through fit edge-banding machines. The Edge-banding of exposed area to be done in the way that there should not be any sharp edge or corner left after processing. All the exposed edges should have buffing radius of 1.5 to 2mm without affecting aesthetic value of the panel.

Mobile Pedestal Drawer Unit: Each Table should be provided with 3 drawer Wooden Mobile Pedestal having of 2 sliding Drawer and 1file Box mounted on 4 castors with front 2 castors lockable. The drawer top, and side panels including the drawer fascia is made out of 18mm thick Pre-laminated MDF board as per IS 14587(1998), the back of the drawer unit is made from 9mm thick Pre-laminated MDF board as per IS 14587(1998). The units are assembled by knockdown fittings such as Mini fix & dowels. The drawer are mounted on rollers slides to enable smooth operation of the drawer. The pedestals shall have central locking mechanism. D/C type slim Handle for Drawer and Shutter. Size of lockable castors for pedestal storage unit ± 2 mm: Diameter 40 mm and height 55 mm, Mobile Pedestal size shall be 400mm W x 550mm D x 585mm H, All Hardware (Handles, Slides, Hinges, locks, sliding channel etc) Hettich/Ebco Make or equivalent or as approved by engineer in-charge/employer. MDF Board/laminate Make: (Century/Action Tesa/Merino/Greenlam or equivalent or as approved by engineer in-charge/employer). Table as approved by engineer in-charge/employer.

18. High Back Chair



Supply and installation of Chair as per technical specification. Providing and Placing High Back Chair with overall size of 76.0 cm W x 760 cm D x 96.5 – 114 cm H x 43.0 – 53.0 cm ($\pm 5\%$ engineering variation in dimension) Seat Height. The seat is cushioned seat made of injection moulded plastic/12 mm thick Plywood. Plastic inner/12 mm thick Plywood is upholstered with leatherette and moulded high resilience polyurethane foam of density 45 ± 2 kg/m³, & hardness load of 16 ± 2 kgf as per IS:7888 for 25% compression. Seat Size is

47.0 W cm x 48.0 D cm. The back is cushioned made of PU foam with insitu moulded M.S. ERW round tube of size 1.9 ± 0.03 cm x 0.16 ± 0.0128 cm, upholstered with leatherette. The back size is 47.7 W cm x 76.4 D cm ($\pm 5\%$ engineering variation in dimension), The armrest top is moulded from polyurethane and mounted on to a drop lift adjustable type tubular armrest support made of $\varnothing 3.81 \pm 0.03$ cm x 0.2 ± 0.01 cm thick M.S. ERW tube having chrome plated finish. The armrest is height adjustable up to 6.5 ± 0.5 cm in 5 steps. The adjustable tilting mechanism is designed with following features: 360° revolving type, front-pivot for tilt with feet resting on ground and continuous lumbar support ensuring more comfort, tilt tension adjustment can be operated in seating position, 5-position tilt limiter giving option of variable tilt angle to the chair, Seat/back tilt ratio 1:2, The mechanism housing is made up of HPDC aluminium black powder coated. Seat depth adjustment is integrated in the seat through a sliding mechanism. Seat depth adjustment range is of 6.0 ± 0.5 cm. Back frame is connected to the up/down mechanism in plastic T spine. It can be adjusted in the range of 7.42 ± 0.5 cm comfort the comfortable back support to suit individual need. The pneumatic height adjustment has an adjustment stroke of 10.0 ± 0.3 cm. The pedestal is high pressure die cast polished aluminium & fitted with 5 nos. of twin wheel castors. The pedestal is 65.0 ± 0.5 cm pitch centre dia. (75.0 ± 1.0 cm with castors). 5 nos. of twin wheel castors are injection moulded in plastic having 6.0 ± 0.1 cm wheel diameter and assembled to pedestal. Chair as approved by engineer in-charge/employer.

19. Visitor chair



Supply and installation of visitor Chair, the overall dimensions of the chair shall be 609mm (± 1 mm) x 643mm x 996mm. ($\pm 5\%$ engineering variation in dimension) The seat height shall be 448mm. The cushioned seat and back is made of injection moulded Plastic outer & inner/12 mm thick Plywood. Plastic inner/12 mm thick Plywood inner is

upholstered with stitched cover and moulded high Resilience 50 mm thick Polyurethane foam of density 45kg per meter cube. The stitched cover is made from spacer fabric and leatherette. Seat size shall be 470mm x 480mm. ($\pm 5\%$ engineering variation in dimension) The Back size shall be 450mm x 605mm. ($\pm 5\%$ engineering variation in dimension) The armrests top is moulded from PU and mounted on to a drop lift adjustment type tubular armrest support made of 38mm diameter x 2.0mm thick MS ERW tube. The tubular frame shall be powder coated DFT 40-60 microns and is cantilever type and made of 25.4mm X 2.0mm thick MS ERW tube. The back is connected to frame through powder coated high pressure die cast connector piece. **chair as approved by engineer in-charge/employer.**

20. 4-seater dining table



Supply and Installation of PU Coated 4-Seater Dining Table size shall be 1200mm Width x 1100mm Depth x 750mm Height ($\pm 5\%$ engineering variation in dimension). Top shall be 25 mm thick base material shall be 25 mm MDF board on top PU painting

of minimum 2H hardness with 75% glass as per colour chart. Combination colour graphics on the centre. Brown Laminate on bottom specially profiled edges for comfort. The Under structure shall be having bend pipe structure of MS powder coated. Pipe diameter 38 mm, 2 mm thick and it shall be fitted with top by SS machine screws. Legs shall be of MS powder coated and 38 mm dia. pipe legs are fixed with under structure and table top. Glide shall be of Plastic fixed at the under structure to prevent the damage of table top during stacking, MDF Board and Laminate Make: (Century/Action Tesa/Merino/Greenlam), Dining Table as approved by engineer in-charge/employer.

21. Dining Chair



Providing and placing of dining Chair, the seat and back are made up injection molded high impact strength polypropylene polymer compound with indoor grade UV Resistance. The welded Leg and tubular frame is made from stainless Steel 202 grade tube. The tube are buff polished to give shiny finish. size of stainless Steel 202 grade tube: 2.52 ± 0.03 cm x 0.16 ± 0.0128 cm thickness and 3.5 ± 0.03 cm x 0.16 ± 0.0128 cm The Shoes are made of high impact strength polypropylene polymer compound with indoor grad UV Resistance and pressed fitted with tubular frame. SIZE: over all height of chair: 900 mm, seat height of chair: 450mm, Seat Size: 525mm(W)x532 mm(D), Back Size: 516 mm (W)x455mm (H) ($\pm 5\%$ engineering variation in dimension), Dining Chair as approved by engineer in-charge/employer.

22. Examination Couch



Supply and Installation of examination couch, Overall Sizes 1957mm(L) X 625 mm (W)X 808mm(H) ($\pm 5\%$ Engineering Variation) It has gas-lift assisted head rest with continuous adjustment from 0° to 30° . Upper section of box size 1220mmLx460mmWx630mmH ($\pm 5\%$ Engineering Variation) with three sliding drawers of approx. size 320mm Lx 430mmWx 75 mm H ($\pm 10\%$ Engineering Variation), lower section comprises of three cabinets approx. inside size: 350 mm Lx440mmWx 430 mm H ($\pm 5\%$ Engineering Variation) with separate doors & locks, The design focuses on ease of operation, hygiene, doctor and patient ergonomics, and aesthetics. Homogeneous soft forms with rounded edges evoke feeling of comfort and safety. Lying surface overall dimension 625mmx 65mm, Mattress and Upholstery is to be made with PU molded foam with density 50-55, 35 mm thickness. Mattress is to be projecting out from the under structure to provide soft touch from all sides. Seamless upholstery is to be provided to avoid spread of bacteria Head rest overall dimension is 625 mm x 497 mm made of PU molded foam with 50 -55 density and 23 mm thick. Under structure is to be made of MS square tubes with unique styling that provides better strength and stability. It is to be provided to reduce the visual clutter and offers better access and reach. BP Apparatus tray: CRCA sheet construction with SS handle and SS hinge Dia 10 for handle. Sheet thickness 1.2 swivel tray is to be designed for BP Apparatus that should be concealed when not in use SS Handle: SS 202

Dia 10 - Aesthetically designed handles are placed in such a way that to give a unique look also provide wider space for gripping to users. Ergonomics: Increased width of the table (625mm) to give better comfort for patients. Optimized height (808mm) of the table for comfortable observation and reach. Tapered shape is to be provided to give a unique look and better access for doctor. L-shape leg is to be provided for better stability. Single Step stool is to be made of ERW square tube. Textured and Rubber mat is to be provided, of 20mm X 20mm size. Tube 1.2 mm thick and mat 3.0 mm thick Size:485(L) x 335 (W) X 210 (H) Step stool is to be made of MS square tubes, is to be strong and firm. Top is to be made of textured rubber offering firm grip for climbing There should be a Stainless steel 304 ERW tube of 12.7 mm dia and 1.2mm thick is to be provided at the back of the back rest section to mount tissue roll which should be used as tissue roll holder. Powder coating is to be Bacteriostatic and thermosetting epoxy polyester, formulated to fulfill the requirements for bacterial protection. Maximum patient load is to be 135 kg. Head Rest is to be adjustable 0 - 30°.BP Apparatus tray is to be provided to Swivel angle 0 to 180 deg. Approx. To ensure good quality welding " Co2 Argon" process should be adhered to. All metal components should be pretreated with zinc phosphate in 9 tank process and then powder coated with anti-microbial epoxy polyester powder coating to fulfill the requirements for bacterial protection. goods should be supplied in knocked down construction to reduce carbon emission. proof loading test, cycle tests, impact test.

Examination couch as approved by engineer in-charge/employer.

23. SS Top Round stool with height adjustable



Supply and installation of stool as per technical specification. STOOL: Overall Sizes Diagonal Leg Diameter 538 mm, minimum height 470mm - maximum height :655mm Stainless steel 202 made sheet with spin section of thickness 1.2 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 MS ERW 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 fulfil 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. **SS Stool as approved by engineer in-charge/employer.**

24. CRIB ON TROLLEY WITH CASTORS WITHOUT MATTRES



Crib for infant should be made of wire mesh crib on MS trolley.
 Dimension Overall size should be 892 mm (L) x 536 mm (W) x 1008 mm (H) ($\pm 5\%$ engineering variation in dimension).
 The crib is of 16 mm & 5 mm diameter 1.6 mm thick ERW tube. The mesh is designed to accommodate the baby to Provide ventilation and visibility.
 The base frame is of 25.4 mm and 16 mm diameter 1.6 mm thick ERW tube with 125 mm individual locking castor.
 The maximum load bearing capacity is 50 kg.
 All metal components are pretreated with zinc phosphating in 7 tank process and then powder coated with epoxy polyester powder coating.
 All powder coated parts in RAL white.
 Maximum patient load is 50 kg.
 packing goods are supplied in knocked down construction to reduce carbon emission.

25. Paediatric Sheet Bed with Side Rail With mattress



Overall dimension: (L) 1572 mm X 839 mm (W) x 1218 mm (H) ($\pm 5\%$ engineering variation in dimension). till the bed surface

Head and foot board are made of 32 mm diameter tube with 1.6 mm thick ERW tube and 16 mm diameter 1.6 mm thick ERW tube respectively.

Base frame shall be made of 40mmx40mmx1.6mm thick rectangular MS tubes, Sleek base frame with large clear space & ground clearance with long base structure provides greater stability. Leg shall be made of 32 mm diameter ERW round tubes with thickness of 1.6mm.

Lying surface is made of CRCA sheet with thickness of 1.2 mm & is powder coated with anti-microbial & anti rust coating. It consists of embossed holes to give more stability and load bearing capacity.

The bed is Provisioned with drop down type full side rails which should made of 25mm diameter and 20 mm diameter with 1.6 mm thick ERW tube.

Nylon6 made Leg shoe is Provided for avoiding wear & tear

Maximum safe working load is 135 kg.

Mattress- Mattress with 40 density 50 mm thick PU foam mattress which should be covered by heavy helium material which is water proof, flame retardant, vapor & X-ray permeable. The zip & stitches for the mattress cover should be concealed.

All metal components are pretreated with zinc phosphating in 7 tank process and then powder coated with epoxy polyester powder coating.

"1. All powder coated parts in RAL white.

2. Other plastic parts in Pantone Cool Grey, goods are supplied in knocked down construction to reduce carbon emission.

26. Office Table



Providing & Fixing High end Table with Combination of Main Table with Extended Return Unit with Pedestal Storage Unit: -

MAIN TABLE of size 1800mmW x 750mmD x 750mmH ($\pm 5\%$ engineering variation in dimension) with top made of 36mm thick, MDF board as per IS 12406 and veneer with PU finish having scratch resistance of 2H. The gable end of 25mm thick. MDF board as per IS 12406 and veneer with PU finish having scratch resistance of 2H, The table has provision with Aluminium Anodized Access Flap for better electrical provision.

The Gable and Modesty panel is made of 18mm thick MDF board as per IS 12406 and veneer with PU finish having scratch resistance of 2H, All Exposed edges of pre-laminated MDF board to be sealed with 2mm thick PVC edge banding tape pressed at 200°C to be applied with the help of hot-melt glue through fit edge-banding machines. The Edge-banding of exposed area to be done in the way that there should not be any sharp edge or corner left after processing. All the exposed edges should have buffing radius of 1.5 to 2mm without affecting aesthetic value of the panel. Top, sides and bottoms (of each product) fixed up system: By using mini fix, supporting bracket/corner and wooden dowel in (knock down) system for interconnecting (MDF board). Design / Shape of table: Rectangular and taper inside at both side ends.

Extended Return Unit

Extended Return Unit size 1050 mm L X 600mmD X 750mmH: The Side unit top is made up of 25mm thick MDF board as per IS 12406 and veneer with PU finish having scratch resistance of 2H, under structure is made up of 18mm thick MDF board as per IS 12406 and veneer with PU finish having scratch resistance of 2H All Exposed edges of pre-laminated MDF board to be sealed with 2mm thick PVC edge banding tape pressed at 200o C to be applied with the help of hot-melt glue through fit edge-banding machines. The Edge-banding of exposed area to be done in the way that there should not be any sharp edge or corner left after processing. All the exposed edges should have buffing radius of 1.5 to 2mm without affecting aesthetic value of the panel. The side unit is combination of 1 open able shutter storage with proper locking arrangement, two open shelves and 1 CPU Storage Drawer/storage shutter pull up mechanism: Groove type,

Mobile Pedestal Drawer Unit: Each Table should be provided with 3 drawer Wooden Mobile Pedestal having of 2 sliding Drawer and 1file Box mounted on 4 castors with front 2 castors lockable. The drawer top, and side panels including the drawer fascia is made out of 18mm thick Pre-laminated MDF board as per IS 14587(1998), the back of the drawer unit is made from 9mm thick Pre-laminated MDF board as per IS 14587(1998). The units are assembled by knockdown fittings such as Mini fix & dowels. The drawer is mounted on rollers slides to enable smooth operation of the drawer. The pedestals shall have central locking mechanism. D/C type slim Handle for Drawer and Shutter. Size of lockable castors for pedestal storage unit ± 2 mm: Diameter 40 mm and height 55 mm, Mobile Pedestal size shall be 400mm W x 550mm D x 585mm H, All Hardware: The high quality hardware used like Roller slides, Hinges, mini-fix, dowels, handle, screw etc is make of Hettich/Ebco/or equivalent or as approved by engineer in-charge, MDF Board Make: Century/Action Tesa/Green ply/ or equivalent or as approved by engineer in-charge/employer) Table to be complete as per approved sample or as per direction of Engineer-in-charge/employer.

27. Desk-let Chair



Supply and Installation of Desk-let chair, the seat and back are made PU injection moulded high impact strength polypropylene polymer compound with indoor grade UV Resistance. The Powder coated (DFT50+ microns) welded tubular frame is made from $2.52 \pm 0.03 \text{ cm} \times 0.16 \pm 0.0128 \text{ cm}$ and $3.5 \pm 0.03 \text{ cm} \times 1.5 \pm 0.03 \text{ cm} \times 0.16 \pm 0.0128 \text{ cm}$ M.S.E.R.W tube. The powder coated welded beam M.S. Structure is made from $5.08 \pm 0.03 \text{ cm} \times 0.16 \pm 0.0128 \text{ cm}$. The Shoes are made of high impact strength polypropylene polymer compound with indoor grad UV Resistance and pressed fitted with tubular frame. The Armrest made of high impact strength polypropylene polymer compound with indoor grad UV resistance and assembly over the tubular frame. The "L" Shape Desk let is made of $1.8 \pm 0.05 \text{ cm}$ thick. pre - laminated MDF Board with $0.2 \pm 0.05 \text{ cm}$ thick injection polypropylene polymer all around Front & Back (outer Dimension - $31.5 \pm (W) \times 47.0 \pm 0.1 \text{ cm (D)}$) An Upholstery cover be retro fitted on seat and back . the seat cover is made from high abrasion resistance with fabric with foam laminated and 2.5cm PU Foam insert. the back cover is made from High Abrasion Resistance fabric with foam lamination and 0.1 cm PU foam. SIZE: (W)57.5cm*(D)67.8cm*(H)84.5cm*(seat H) 45.0 cm, Seat Size 52.5cm(W)*53.2 cm(D), Back Size 51.6 cm(W)*40.5 cm (H). ($\pm 5\%$ engineering variation in dimension).

28. Hospital Fowler Bed with mattress



Supply and Installation of Mechanical Fowler Bed with Mattress, Collapsible railings & Castors, Over all dimension:(L)2140x(W)912x(H)560mm ($\pm 5\%$ engineering variation in dimension). The bed should have two functions with adjustable backrest 70 deg & upper legrest 24 deg. The Head board & foot board should be made up of 1.6mm thick SS202 tube of 25.4 mm dia. with 18 mm PLT board, Bed frame should be made of MS ERW tube of size of 1.6mm thick. It should have provision 4iv pole holders. It should be strengthened by rectangular tube section of size 60mmx30 mm having 1.6 mm thickness, The leg Under Structure should be made up of ERW tubes with thickness of 1.2mm with

suitable section, lying surface should be made of CRCA sheet of thickness of 1mm thick. This lying surface should have 4 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. Mattress platform is strengthened by tubular frame of size 25.4mm dia. x 1.2mm thickness. It should be strengthened by trapezoidal contour (rounded corner) 14 nos, embossed cut out. All functions should be operated with lead screw mechanism, ACME threaded EN8 made 6mm pitch for easy in movement. Castors should be High endurance, plastic injection moulded castors of 125mm dia. having provision for diagonal locking with stem dia. 22mm should be provided for better stability. Bed should be powder coated with Anti rust, thermos setting epoxy polyester powder coating should be used. Maximum weight carrying capacity should be 135Kg. Product should pass test like - loading test, cycle test, impact test, horizontal & vertical load tests for side rails, salt spray test, castor break test, pull test for head and foot board. Valid test report should be submitted. Side Rail MS

The bed should be provided with one pair Side rails pull to turn down collapsible type. Side rails should be made of MSERW tube having 25.4 mm dia. and 1.6 mm thick. The side rails should get locked when raised. The knob should be made out of Injection moulded Nylon for ease of operation.

The locking of side rail pin should be fitted with SS liner to prevent rusting and wear and tear. Side rail joints should have plastic bushes and couplings.

Mattress: 4-section mattress for fowler bed, size-(W)1965mm*(W)830mm*(H)100mm, The mattress should be provided with 40density 100mm thick PU foam mattress which should be covered by heavy helium material which is water proof, flame retardant, vapour & X-ray permeable, the zip & stitches for the mattress cover should be concealed.

Chart/Document Holder

Overall Sizes(L)464mmX(W)137mmX(H)344mm $\pm 2\%$ tolerance.

Wire mesh made of MS rod of dia.6mm& front cover MS sheet of thickness 0.6mm.

Product should be pre-treated and powder coated with epoxy polyester powder coating.

IV Pole Adjustable Height on Bed-SS Make

Overall dimension should be 250 mm PCD with height adjustable from 743 mm to 1150 mm.

It should be fully SS made used on bed with telescopic rod for height adjustment.

The bottom adapted should be 12 mm dia., fixed tube should be 15.9 mm dia. , 1.6 mm thick ERW Tube.

Telescopic rod should be 12 mm dia. ERW tube.

There should be 2 nos. 6mm dia. hooks to hang saline bags.

Maximum load bearing capacity should be 2kg per hook.

Mechanical Fowler Bed with Mattress As approved by engineer in-charge/employer.

29. 3-seater Sofa



Supply and Installation of Three-Seater Sofa • SEAT FOAM: The seat is made of PU foam with Density 28 ± 2 kg/cu. meter having an additional top layer of super soft PU foam in Density 32 ± 2 kg/cu. upholstered with fabric or leatherette. Seat Cushion Thickness ± 3 (mm): 150mm

- 2) BACK FOAM: The back is made of PU foam with Density 28 ± 2 kg/cu. meter with two additional top layers of super soft foam of density 32 ± 2 kg/cu. meter, upholstered with fabric or leatherette. Backrest Cushion Thickness ± 3 (mm): 175mm
- 3) UNDERSTRUCTURE: Under structure is made up of 1.2 ± 0.1 cm. thick hot-pressed plywood (moisture resistance & termite proof as per IS: 303) & pinewood of cross section devoid of major knots & surface defects 6 nos. per seat & 3.8 mm Dia zigzag spring assembly is mounted over under structure for cushioning purpose 6 nos. per seat & 3.8 mm Dia zigzag spring assembly is mounted over under structure for cushioning purpose.
- 4) LEG ASSEMBLY: It is a welded assembly made in Stainless steel (grade SS 202) tube & plate with plastic end cap. (W) 2060mm (D) 905mm(H) 855 mm seat (H) 450 mm, Sofa Leg Height ± 2 (mm): 150 mm, Sofa Leg Width / Diameter ± 2 (mm): 40 mm, Arm Height ± 5 (mm): 710mm, Arm Width ± 5 (mm): 120mm, Sofa: as approved by Engineer In-Charge/employer.

30. Two-seater Sofa



Supply and Installation of Two-Seater Sofa SEAT FOAM: The seat is made of PU foam with Density 28 ± 2 kg/cu. meter having an additional top layer of super soft PU foam in Density 32 ± 2 kg/cu. upholstered with fabric or leatherette. Seat Cushion Thickness ± 3 (mm): 150mm

- 2) BACK FOAM: The back is made of PU foam with Density 28 ± 2 kg/cu. meter with two additional top layers of super soft foam of density 32 ± 2 kg/cu. meter, upholstered with fabric or leatherette Backrest Cushion Thickness ± 3 (mm): 175mm

- 3) UNDERSTRUCTRE: Under structure is made up of 1.2 ± 0.1 cm. thick hot pressed plywood (moisture resistance & termite proof as per IS: 303) & pinewood of cross section devoid of major knots & surface defects 6 nos. per seat & 3.8 mm Dia zigzag spring assembly is mounted over under structure for cushioning purpose 6 nos. per seat & 3.8 mm Dia zigzag spring assembly is mounted over under structure for cushioning purpose.

- 4) LEG ASSEMBLY: It is a welded assembly made in Stainless steel (grade SS 202) tube & plate with plastic end cap. (W) 1460mm (D) 905mm(H) 855 mm seat (H) 450 mm, Sofa Leg Height ± 2 (mm): 150 mm, Sofa Leg Width / Diameter ± 2 (mm): 40 mm, Arm Height ± 5 (mm): 710mm, Arm Width ± 5 (mm): 120mm, Sofa: as approved by Engineer In Charge/employer.

31. CENTER TABLE



Supply and installation of centre table of size: 1200mmW X600mmD X400mmH ($\pm 5\%$ engineering variation in dimension), top made of 32 mm thickMDF board as per IS 12406 with veneer and PU finish having scratch resistance of 2H, all exposed edges sealed with 2mm thick edge banding tape and unexposed edges sealed with 0.8 mm thick edge banding tape pressed at 200o C with hot melt glue on special machines. Frame and Leg material: Stainless steel (SS 304), size of Frame and Leg material 55mm X 55mm with 1.6 mm thickness, All Hardware: The high quality hardware used like Roller slides, Hinges, mini-fix, dowels, handle, screw etc is make of Hettich/Ebco/or equivalent/or as approved by engineer in-charge/employer, (MDF Board make: CENTURY/Action Tesa/GREENPLY or equivalent/or as approved by engineer in-charge/employer)Centre Table: as approved by Engineer In-Charge/employer.

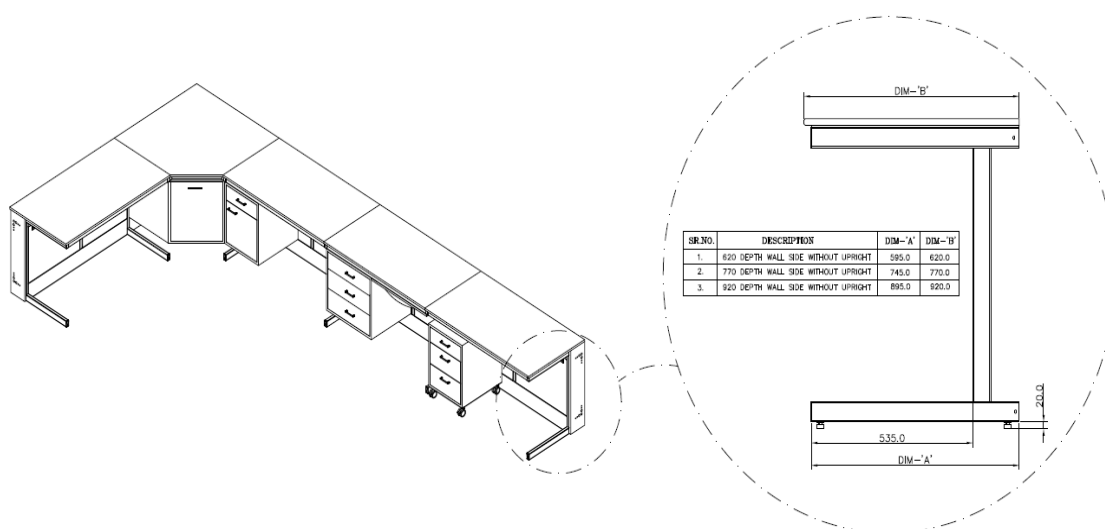
32. Corner Table



Supply and installation of corner table of size: 500mmW X500mmD X400mmH ($\pm 5\%$ engineering variation in dimension), top made of 32 mm thick MDF board as per IS 12406 with veneer and PU finish having scratch resistance of 2H, all exposed edges sealed with 2mm thick edge banding tape and unexposed edges sealed with 0.8 mm thick edge

banding tape pressed at 200o C with hot melt glue on special machines. Frame and Leg material: Stainless steel (SS 304), size of Frame and Leg material 55mm X 55mm with 1.6 mm thickness, All Hardware: The high quality hardware used like Roller slides, Hinges, mini-fix, dowels, handle, screw etc is make of Hettich/Ebco/or equivalent/or as approved by engineer in-charge/employer, (MDF Board make: CENTURY/Action Tesa/GREENPLY or equivalent/or as approved by engineer in-charge/employer), Corner Table: as approved by Engineer In-Charge/employer.

33. Wall side Lab Table



C-FRAME SYSTEM

All C-Frames assemblies should be manufactured from standard hollow metal sections; confirming to I.S. Code 7138:1973 (Indian Standard specification for steel tubes for furniture) and all sheet metal components should be of CRCA confirming to IS Code 513:1994. The suspended under-bench welded units should be supported on heavy-duty

steel frames fully carrying the load of worktops. Its superior strength combined with aesthetically appealing end caps shall give maximum flexibility and modularity while making a layout. C-frame should be constructed from a rectangular pipe with a cross section of 60mm x 30mm and should be 2 mm thick and should be without a vertical front leg to give a clean look. This shall provide more knee space or leg space and would facilitate uninterrupted lateral movement of the under-bench units within the bench run. The C-frame legs should be supplied with adjustable feet (tolerance from -5mm to +20mm) to correct the unevenness of flooring. The tubular enclosed type construction shall discourage dust accumulation and unwanted development of bacteria & fungus.

Drainage gradient should be well adjusted throughout the length of table and should have horizontal supports for drainage systems. The structure should have a removable back panel to provide access for maintenance throughout the length of table. The C-frame shall also have skirting at back bottom side. It should be suitable for sitting and standing nominal heights of 750-900 mm ($\pm 5\%$ Engineering Variation) The nominal table depths should 750 mm to 850 mm ($\pm 5\%$ Engineering Variation) for wall side tables. Length of table 1500 to 1800 mm, ($\pm 5\%$ Engineering Variation) All frame-work is should be pre-treated with superior pure epoxy powder coated finish. The C-Frames should be for suspended storage cabinets or for cabinets that can slide through-and-through from one end of the workbench to the other through C-Frames (configuration depends upon the Schedule of Quantities)

HORIZONTAL MEMBERS

These should be made from rectangular pipes of 2mm thickness. Cross-sectional dimensions of the pipe should be 60mmx30mmx2 mm. ($\pm 10\%$ Engineering Variation) They should be made of CRCA MS and coated with pure epoxy powder. These connect two C-Frames together as shown using C-clamps/Unclamps. Together with the C-Frames and Horizontal Members connected together, the skeletal structure of the work-bench is formed on which the worktop can be placed and the hanging-type storage cabinets can be suspended. Horizontal Members determine the width of the lab workbench as they form the member (distance) between two adjacent C-Frames. The widths : 750-800 mm Approx ($\pm 10\%$ Engineering Variation).

Removable Back Panels

These cover panels cover the service lines that run behind them. These should be easily removable (unclipped) and the service line be accessed for maintenance. This allows the equipment on workbench to remain undisturbed They should be made of CRCA MS with pure epoxy powder coating and are of 1mm thickness

COVER PANELS

All side cover panels and back panels, filler panels should be made from CRCA MS panels of 1.0 mm thickness with pure epoxy powder coating

MASTER UPRIGHT

Master Upright should be of the dimensions: 300 x 150 x 1.2 mm. ($\pm 10\%$ Engineering Variation) It should be made from 1.2mm thick CRCA MS with pure epoxy powder coating. It should have an open-able door for easy service maintenance and should extend till the false ceiling

VERTICAL UPRIGHT

The Upright system will form the back-bone for internal distribution of GDS, Electrical supply systems Shelves and Top Units and should be constructed from 16 gauge CRCA formed steel panels with removable covers. Shelf height should be adjusted with an increment of 1 inch / 25mm. Upright should also provide support to Top Units for hanging thus eliminating the danger of fixing the Top Units on non-rigid partition wall / panels. Uprights should be supplied with adjustable feet from -5mm to +20mm.

WELDED UNDER-BENCH STORAGE CABINETS

Welded cabinet body should be of flush face construction with intersection of vertical and horizontal members like LH and RH side panel along with front horizontal channel, back panel and bottom panel. It should be relocated anywhere easily as it is an independent unit. Cabinet should be of square non-sharp edge construction. Doors should be assembled with SS-304 hinge assembly. Removable back panel should be provided to easily access the service lines running behind the cabinet benches. Intermediate horizontal channels should be provided between door and drawer. Shelf should be eight bend panel with 20mm height. Drawer tray should be of single piece construction. Drawer should be well supported on LH and RH ball slide suspension system. Steel door and drawer front is of double wall construction with sound dampening material filled inside. Doors should be easily removable and hinges should be easily replaceable. Knee space panel should be in 22-gauge construction. Storage Units to be of the Suspended Type
Dimensions: W=750 mm, D = 530mm, H = 635 mm. ($\pm 10\%$ Engineering Variation)
Configurations:

2 Shutters 1 Drawer MOC: MS CRCA: IS – 513 (1994), Thickness: LH/RH side panels, shutter front, Bottom panel, Top front, Drawer separator, shelf, Alignment channel should be of 1.2mm thick. Removable Back panel, Shutter cover, Fr. Rack strip, Top cover panel should be of 1.0 mm thick. Finish: Powder coating pure epoxy, thickness 40-50 microns.

Handle:

Anodized Aluminium Recessed-Type, CTC: 160.0mm. Lock: Units have a locking facility with 180° and 10 lever cam lock mechanism (except for sink and corner unit). Hinge: Knuckle-butt type SS Hinge. Screw: SS 304. Shutter should be of twin-type construction with sound dampening effect using pro feel. Shutter cover should be equipped with Bump on for sound dampening. Ball Slide: 500mm Length (required only for drawer unit). Shutter should have provision of roller catch

SERVICE FITTINGS AND ACCESSORIES

Service fittings should be laboratory grade, and water faucets and valve bodies should be cast red brass alloy or bronze forgings, all fittings should be powder plated unless specified otherwise. Service Indexes: Fittings should be identified with service indexes in the colour coding as per DIN 12920.

ELECTRICAL TRUNKING Used for housing electrical switches and sockets, data and voice points, its top panel, bottom panel of the trunking should be made from 1.0 mm thick CRCA MS panel. It should be available in both, single sided and double-sided configurations. It should be made from CRCA MS with pure epoxy powder coating. The front surface that houses the electrical points should have a slope

LABORATORY SINK AND ACCESSORIES

LABORATORY SINK AND ACCESSORIES shall be fitted in laboratory as per direction of engineer in-charge/employer.

Ceramic Sinks: Made up of 5 mm thick high density and elastic poly propylene with good resistance to organic solvents. Standard bowl size (L x W x D) is 500mm x 400mm x 350 mm. Faucet should be 3-way type faucet of approved make.



Reagent shelf: - Regent Shelves Height shall be 750 mm with complete modular design consists of horizontal 2 stage storage shelves. The end vertical support and horizontal shelves are made up of 2 mm thick CRCA MS Sheet with screwed, riveted, welded including all cross-link members, with adequate stiffeners for designed capacity of 100 kg per reagent shelves per tier with zinc phosphate and epoxy powder coated to 60 to 80 micron's thickness to pass the required ASTM standard complete as per technical specification. reagent shelves shall have suitable arrangement to be attached with vertical uprights with adequate height adjustment hook systems with groves available on the uprights. The horizontal shelf has a provision for fixing the service panel to it. The service panels carry electrical switches and socket cut-outs. T. The structure of the unit is epoxy powder coated with powder coating thickness as 60-80 microns. Regent shelf size: 750mm-900 mmWx415mm(D) x 750mmH.

Granite work Top: It should be 19mm (+/- 2mm) thick Jet Black Granite worktop. The exposed edges of the worktop should be chamfered and smoothened. The bottom of the worktop should be polished and there should be a V-groove throughout the length of the exposed edges to protect the cabinets from coming in contact with the spillages. The overhang on the storage cabinet is 25 mm at the front side and 30 mm at the sides. The backing material used is a neoprene mat of 6 mm thickness.

Scope of Work

-Supply and Installation of Laboratory Workbenches, Regent shelf, Storage units, Sink Unit, Corner unit, including granite worktops and other supporting structures/hardware's based on the specified Make List. - Supply & Installation of all utility service outlets and accessory fittings, electrical receptacles, plumbing and electrical switches & fittings identified on drawings as mounted on the laboratory furniture or as per engineer in-charge/client direction.

- Supply & Installation of all laboratory sinks, bottle traps, drain troughs etc.
- Supply & Installation of service structures where specified and setting in place reagent shelves of the type shown in the drawings.
- Removal of debris, dirt and rubbish accumulated as a result of installation/commissioning of the laboratory furniture and accessories and leaving the premises broom clean and orderly.

List of approve makes: -

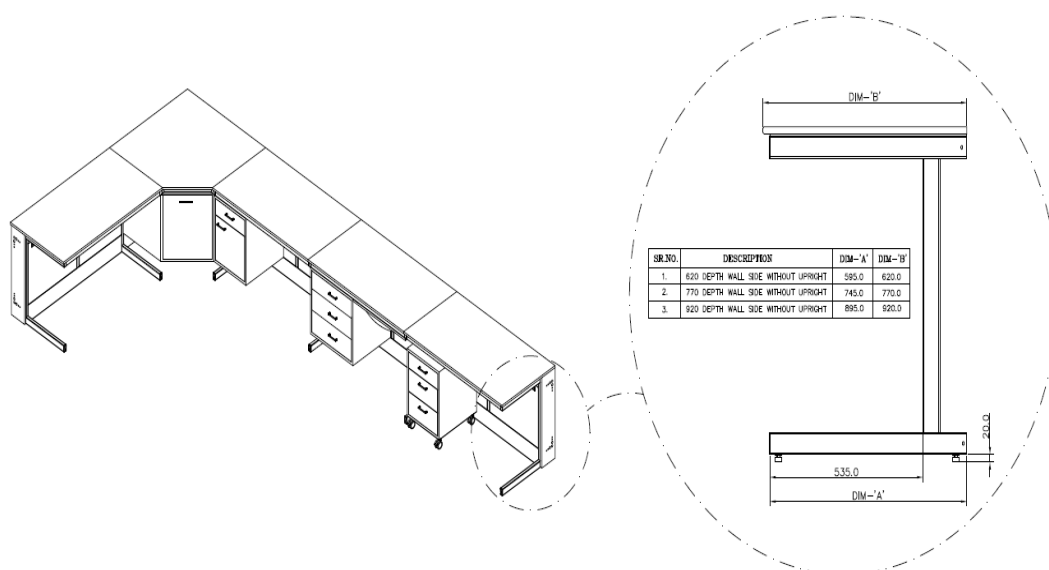
Steel: TATA Steel, JINDAL Steel/Equivalent or better or As approved by engineer in-charge/employer.

Powder Coating Kansai Nerolac, Berger Paints, Asian Paints/ Equivalent or better or As approved by engineer in-charge/employer.

Water Faucets and Gas Valves: As approved by engineer in-charge/employer.

Switches and Sockets, Data and LAN points: As approved by engineer in-charge.

34. Island type LAB Table



C-FRAME SYSTEM

All C-Frames assemblies should be manufactured from standard hollow metal sections; confirming to I.S. Code 7138:1973 (Indian Standard specification for steel tubes for furniture) and all sheet metal components should be of CRCA confirming to IS Code 513:1994. The suspended under-bench welded units should be supported on heavy-duty steel frames fully carrying the load of worktops. Its superior strength combined with aesthetically appealing end caps shall give maximum flexibility and modularity while making a layout. C-frame should be constructed from a rectangular pipe with a cross section of 60mm x 30mm and should be 2 mm thick and should be without a vertical front leg to give a clean look. This shall provide more knee space or leg space and would facilitate uninterrupted lateral movement of the under-bench units within the bench run. The C-frame legs should be supplied with adjustable feet (tolerance from -5mm to +20mm) to correct the unevenness of flooring. The tubular enclosed type construction shall discourage dust accumulation and unwanted development of bacteria & fungus.

Drainage gradient should be well adjusted throughout the length of table and should have horizontal supports for drainage systems. The structure should have a removable back panel to provide access for maintenance throughout the length of table. The C-frame shall also have skirting at back bottom side. It should be suitable for sitting and standing nominal heights of 750-900 mm. ($\pm 5\%$ Engineering Variation) The nominal table depths should 1500 mm to 1800 mm ($\pm 5\%$ Engineering Variation) for Island Type. Length of table 1500 to 1800 mm, with cabinet bench, leg space bench and Sink Unit ($\pm 5\%$ Engineering Variation), All frame-work is should be pre-treated with superior pure epoxy powder coated finish. The C-Frames should be for suspended storage cabinets or for cabinets that can slide through-and-through from one end of the workbench to the other through C-Frames (configuration depends upon the Schedule of Quantities)

HORIZONTAL MEMBERS

These should be made from rectangular pipes of 2mm thickness. Cross-sectional dimensions of the pipe should be 60mmx30mmx2 mm. ($\pm 10\%$ Engineering Variation) They should be made of CRCA MS and coated with pure epoxy powder. These connect two C-Frames together as shown using C-clamps/Unclamps. Together with the C-Frames and Horizontal Members connected together, the skeletal structure of the work-bench is formed on which the worktop can be placed and the hanging-type storage cabinets can be suspended. Horizontal Members determine the width of the lab workbench as they form the member (distance) between two adjacent C-Frames. The widths: 1500mm-1800 mm Approx ($\pm 10\%$ Engineering Variation).

Removable Back Panels

These cover panels cover the service lines that run behind them. These should be easily removable (unclipped) and the service line be accessed for maintenance. This allows the equipment on workbench to remain undisturbed They should be made of CRCA MS with pure epoxy powder coating and are of 1mm thickness

COVER PANELS

All side cover panels and back panels, filler panels should be made from CRCA MS panels of 1.0 mm thickness with pure epoxy powder coating

MASTER UPRIGHT

Master Upright should be of the dimensions: 300 x 150 x 1.2 mm. ($\pm 10\%$ Engineering Variation) It should be made from 1.2mm thick CRCA MS with pure epoxy powder coating. It should have an open-able door for easy service maintenance and should extend till the false ceiling

VERTICAL UPRIGHT

The Upright system will form the back-bone for internal distribution of GDS, Electrical supply systems Shelves and Top Units and should be constructed from 16 gauge CRCA formed steel panels with removable covers. Shelf height should be adjusted with an increment of 1inch / 25mm. Upright should also provide support to Top Units for hanging thus eliminating the danger of fixing the Top Units on non-rigid partition wall / panels. Uprights should be supplied with adjustable feet from -5mm to +20mm.

WELDED UNDER-BENCH STORAGE CABINETS

Welded cabinet body should be of flush face construction with intersection of vertical and horizontal members like LH and RH side panel along with front horizontal channel, back panel and bottom panel. It should be relocated anywhere easily as it is an independent unit. Cabinet should be of square non-sharp edge construction. Doors should be assembled with SS-304 hinge assembly. Removable back panel should be provided to easily access the service lines running behind the cabinet benches. Intermediate horizontal channels should be provided between door and drawer. Shelf should be eight bend panel with 20mm height. Drawer tray should be of single piece construction. Drawer should be well supported on LH and RH ball slide suspension system. Steel door and drawer front is of double wall construction with sound dampening material filled inside. Doors should be easily removable and hinges should be easily replaceable. Knee space panel should be in 22-gauge construction. Storage Units to be of the Suspended Type
Dimensions: W=600 mm, D = 530mm, H = 635 mm. ($\pm 10\%$ Engineering Variation)
Configurations:

2 Shutters 1 Drawer MOC: MS CRCA: IS – 513 (1994), Thickness: LH/RH side panels, shutter front, Bottom panel, Top front, Drawer separator, shelf, Alignment channel should be of 1.2mm thick. Removable Back panel, Shutter cover, Fr. Rack strip, Top cover panel should be of 1.0 mm thick. Finish: Powder coating pure epoxy, thickness 40-50 microns.

Handle:

Anodized Aluminium Recessed-Type, CTC: 160.0mm. Lock: Units have a locking facility with 180° and 10 lever cam lock mechanism (except for sink and corner unit). Hinge: Knuckle-butt type SS Hinge. Screw: SS 304. Shutter should be of twin-type construction with sound dampening effect using pro feel. Shutter cover should be equipped with Bump on for sound dampening. Ball Slide: 500mm Length (required only for drawer unit). Shutter should have provision of roller catch

SERVICE FITTINGS AND ACCESSORIES

Service fittings should be laboratory grade, and water faucets and valve bodies should be cast red brass alloy or bronze forgings, all fittings should be powder plated unless specified otherwise. Service Indexes: Fittings should be identified with service indexes in the colour coding as per DIN 12920.

ELECTRICAL TRUNKING Used for housing electrical switches and sockets, data and voice points, its top panel, bottom panel of the trunking should be made from 1.0 mm thick CRCA MS panel. It should be available in both, single sided and double sided configurations. It should be made from CRCA MS with pure epoxy powder coating. The front surface that houses the electrical points should have a slope

LABORATORY SINK AND ACCESSORIES.

LABORATORY SINK AND ACCESSORIES shall be fitted in laboratory as per direction of engineer in-charge/employer.

Ceramic Sinks: Made up of 5 mm thick high density and elastic poly propylene with good resistance to organic solvents. Standard bowl size (L x W x D) is 500mm x 400mm x 350 mm. Faucet should be 3-way type faucet of approved make.



Reagent shelf: - Reagent Shelves of Height 750 mm with complete modular design consists of horizontal 2 stage storage shelves. The end vertical support and horizontal shelves are made up of 2 mm thick CRCA MS Sheet with screwed, riveted, welded including all cross-link members, with adequate stiffeners for designed capacity of 100 kg per reagent shelves per tier with zinc phosphate and epoxy powder coated to 60 to 80 micron's thickness to pass the required ASTM standard complete as per technical specification. reagent shelves shall have suitable arrangement to be attached with vertical uprights with adequate height adjustment hook systems with groves available on the uprights. The horizontal shelf has a provision for fixing the service panel to it. The service panels carry electrical switches and socket cut-outs. T. The structure of the unit is epoxy powder coated with powder coating thickness as 60-80 microns. Reagent shelf size: 750mmW x 415mm(D) x 750mmH.

Granite work: It should be 19mm (+/- 2mm) thick Jet Black Granite worktop. The exposed edges of the worktop should be chamfered and smoothened. The bottom of the worktop should be polished and there should be a V-groove throughout the length of the exposed edges to protect the cabinets from coming in contact with the spillages. The overhang on the storage cabinet is 25 mm at the front side and 30 mm at the sides. The backing material used is a neoprene mat of 6 mm thickness.

Scope of Work

-Supply and Installation of Laboratory Workbenches, Regent shelf, Storage units, Sink Unit, Corner unit, including granite worktops and other supporting structures/hardware's based on the specified Make List. - Supply & Installation of all utility service outlets and accessory fittings, electrical receptacles, plumbing and electrical switches & fittings identified on drawings as mounted on the laboratory furniture or as per engineer in-charge/client direction.

-Supply & Installation of all laboratory sinks, bottle traps, drain troughs etc.

-Supply & Installation of service structures where specified and setting in place reagent shelves of the type shown in the drawings.

-Removal of debris, dirt and rubbish accumulated as a result of installation/commissioning of the laboratory furniture and accessories and leaving the premises broom clean and orderly.

List of approve makes: - Steel: TATA Steel, JINDAL Steel/Equivalent or better or As approved by engineer in-charge/employer.

Powder Coating Kansai Nerolac, Berger Paints, Asian Paints/ Equivalent or better or As approved by engineer in-charge/employer.

Water Faucets and Gas Valves: As approved by engineer in-charge/employer.

Switches and Sockets, Data and LAN points: As approved by engineer in-charge.

35.Semi motorized ICU BED with mattress



Overall dimensions: (L)2241 mm X (W)1050 mm X (H) Adjustable from 498 mm to 758 mm. Three Electric operated features are Backrest, Leg rest , High-Low(Only one handset will be Provided).Two function mechanically operated bed : Trend/ Reverse trend. Note: Height of bed for TR and ATR is 650mm from the ground and above. Min height: should be 490 mm; Max height: 750 mm without mattress. Back rest angular movement: 65 degrees; 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 moulded 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. 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. It should have Trendelenburg indicator guide. Bed lying surface should be made of PP injection mould. 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. Under bed clearance should be greater than 150 mm. 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 dedicated 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 Provided at four corners to protect the bed and patient from impact and avoid damages to wall. Handle to operate manual function on crank made of PP injection moulded. 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 diameter wheel, twin wheel, plastic polymer with metal insert castors. Out of 4 castors two should be Provided with brake, mounted at diagonally opposite position Ergonomically designed plastic handle having opening mechanism in 90-degree position. Handle levers fold compactly upwards with snap fit when not in use. Handles are self with a brass insert and a chrome plated knob with a Nylon grip.

The bed should be provided with PP moulded side boards of 4 no's providing full coverage to bed. These side boards should be integrated with drop down mechanism for easy operation. The side boards should be provided with angle indicators

. 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 pretreated 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.

Electrical details: Supply Voltage: 100-240VAC +/- 10%; Current: 2.5A max, Electric Shock Protection: Class I, Type B, Liquid Ingress protection IPx4, Duty Cycle 10% or max 2min continuous ON followed by 18min continuous OFF, Three Electric operated features are Backrest, Leg rest, High-Low (Only one handset will be Provided). The bed should be provided with 40 density 100 mm thick PU foam mattress which should be covered by heavy helium material which is water proof, flame retardant, vapor & X-ray permeable. The zip & stitches for the mattress cover should be concealed. The bed has Provision for front loading medium sized MS made oxygen cylinder cage. The bed is compliant with IEC 60601-2-52 standards and compliant with current protection level of class 1 and shock protection level of Class B. All the electrical parts should have the liquid ingress protection as per IPX4. The manufacturer should have following certificates: ISO 13485:2016 from NABCB accredited certifying agency.

36. Fully Motorized Delivery BED



Supply and Installation of Fully Motorized Delivery BED with mattress, Overall size 2140 mm (L)*500 mm to 840 mm (H) 1024 mm (W). A fully motorized electric LDRP bed designed for expecting mothers to perform labor exercises, execute natural birthing, support for recovery and post-partum procedure. The LDRP bed should be electrically controlled for movement of backrest, height and Trendelenburg through remote. It should

have three sections – backrest, pelvic and leg rest made of high-grade Compact Laminate with minimal gap between sections and the seat-section should have a perineal cut.

The bed should have easily removable ABS headboard and leg board.

The unit should have provision for Trendelenburg position (minimum 15 degree or more) and adjustable back rest angle of 66 degree or more. Height range should be 500-840 mm. Should have control device for back and height adjustments through remote control. Should have provision for two remote handsets – 1 for patient (optional accessory) and 1 for attendant.

Should have PP sideboards with Drop down mechanism with compressed dampener for easy operation. The height of the side board should be 450 mm to accommodate air mattress.

Push grip handle (grab bars) with soft padding on both sides of the bed.

Should have MS foot support at leg side for nursing staff

Frame should be of epoxy powder coated steel. 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 2 mm thick. All corners of bed frame are Provided with bumper mounting holders and it should have Provision for iv pole. 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

Should be easy to clean, sterilize (especially blood stains) and maintain.

Should have a moulded ABS bowl with 10 L capacity at legside for fluid collection

Should have provision at 4 corners to mount infusion rods (made of SS-304 grade) or IV Pole.

Should have retractable leg section (section can be telescoped under) to convert bed into table.

To and fro motion of the leg section should be very smooth.

Should have Safe workload as 250 kg and minimum patient load capacity of 185 kg

Caster should be of 125mm with twin wheel central & directional locking mechanism.

Should have rectangular sliding compact laminate tray at perineal part of table.

should have provision for 2 no. lithotomy crutches/calf rests

Should have 4 TPE corner bumpers for protection

Should have manual CPR lever on both sides

Should have Automatic-CPR button on both patient and attendant handset

Should be provided with under bed light with buttons provided on both patient and attendant handset

Should have provision of optional Accessory rack to mount bed accessories like lithotomy rods, lower leg mattress, headboard, footboard, patient footrest when not in use

Should have optional accessories on offer such as Patient footrests, Patient Handset, Accessory rack holder and battery backup

Should not have ATR function to avoid patient fall.

Should have Height-TR synchronous mechanism wherein height remains the same when TR is engaged and then disengaged.

The bed should be provided with 2 section mattresses as optional accessories. Two different size mattress – 1375 x 890 x 100mm (LXBXH) upper section mattress and 655 x 850 x 150mm (LXBXH) leg section mattress. The foam density of the mattresses should be of minimum 40 kg/m³ and thickness of minimum 4 inches/100mm. The leg section mattress should be fixed with high grade adhesive Velcro tape for proper fixing on the bed top. Mattresses cover should be non-slippery, washable and waterproof. It should have

fire-retardant and anti-microbial properties; the product should be ISO 13485:2016 certified. Delivery bed **as approved by engineer in-charge/employer**

37. Crash Cart.



Supply and installation of Cras Cart with 6 ABS Plastic Drawers and 6 colour medicine bin , overall dimension of L 1048mm W x 475mm H x 1555 mm $\pm$ 2% tolerance. SS 304 grade made top sheet with 2mm thickness is used. Middle & bottom sheet is used made of SS 304 grade with thickness 1mm. SS 304 grade frame bar with section of 25.4, 19, 1.2 & 16mm is used. SS Cylinder case is used welded with cylinder holding unit to hook giving the curve bend at the bottom to hold the cylinder. SS 304 grade pipe of section 12mm is used to mount IV rod. High endurance anti-static, plastic injected moulded 4 swivel castors of diameter 125mm is used & have Provision for diagonal locking. SS 304 handle pipe have section of 25.4mm with length of 365mm & have thickness of 1.2mm giving a glossy finish. SS 304 tubular frame have six different coloured removable bins mounted on top shelf and two polystyrene lockable storage units with three drawers each. The top drawers have containers of different sizes. . Safe working load is 40kgs.the product performs proof loading test, cycle tests, impact test, castor break test

38. Dressing Trolley



Supply and Installation of dressing trolley with Overall Dimension must be 1156 mm L X 531mm WX 915mm H. (± 5 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 center 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 (± 10 mm Engineering Variation) Outer diameter and size of bowl is 330 mm x 180 mm H (± 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: 40 kgs (Per Shelf - 40 Kgs). **Dressing Trolley with Bowl & Bucket as approved by engineer in-charge/employer.**

39. Patient Stretcher 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 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 1.6 mm. Top sheet should be made of CRCA sheet of thickness 1.2 mm with contour shape to accommodate patient. IV pole holder should be made of MS. Maximum safe work load should be 135 kg. To ensure good quality welding "Co2 Argon" process should be adhered to. All metal components should be pretreated 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., **Stretcher Trolley as approved by engineer in-charge/employer**

40. Instrument Trolley



Supply and Installation of Instrument trolley overall dimension: 902mm (L) X 532mm(B) X 915(H) mm (± 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 center 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). Instrument Trolley as approved by engineer in-charge/employer.

41. Folding Wheel Chair



Supply and Installation of wheel chair the cushion leatherite folding wheel chair has Hand Rim Outside Dia. (mm) 16 X 1.2 mm with low voltage alarm and aluminum die cast foot rest.

The Density of Cushion material on armrest, seat and Backrest (Kg/m³) is 30 Kg/m³ and width of the leg guard is 600 mm. Cross bar, armrest and handgrip is made of A3 carbon steel with section 25.4 x 1.2mm. Rear Wheel:24 inch. The diameter of the front wheel is 200 mm and seat are with cushion. The leg guard is Swinging and detachable. The Overall Width in unfolded condition of wheel chair is 670 mm and 190 mm when folded.. The wheel hub is of steel. The Frame tube thickness (.mm) Frame tube thickness is 1.2 mm and the cushion is made of PU foam. The Clearance of frame from floors 8 mm. Loading Capacity is of 100 kgs and overall height is 870 mm. The thickness of the cushion material is 30 mm. The depth of the seat is 400 mm. The Distance between seat and foot rest (mm) is 400 mm and clearance of footrest from the floor is 150 mm. The Aluminum casts are anodized and Slope of the backrest with respect to floor is 90 degrees. The height of armrest from seat is 105 mm and Seat height from floor at the front (mm) is of 520 mm. The mild steel components are chrome plated. The product has a warranty of three year from the date of purchase, wheel chair **as approved by engineer in-charge/employer.**

42. Emergency Crash Cart.



Advanced emergency cart constructed of CRCA Powder Coated MS Sheet of thickness 1.2mm. overall dimension of L 1037 W x 672 H x 1435 mm.

Should have 5 drawers with drawer configuration: 2 small (390(L)x600(W)x71(H)mm) + 2 medium (390(L)x600(W)x149(H)mm) + 1 Large (390(L)x600(W)x227(H)mm). all drawers should be lockable through central locking. Should have anti-tilt mechanism. should have minimum five drawer with adjustable acrylic separators. Should have cam lock type central locking mechanism for drawers Provided with 100 security seal tags

Should have following accessories items.

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, a waste bin discarding syringes and gloves.

wire wounder and mounting screws for spike guard.

cart should have ABS vacuum formed top tray of thickness 3mm, Aluminium 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.

should have 4 TPE corner bumpers for collision protection, Single wheel front locking castors should have 125mm diameter to facilitate quiet and easy movement.

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 mount IV rod. High endurance anti-static,

aluminium handle pipe should have section of 25mm with length of 365mm & should have thickness of 1mm giving a glossy finish. Metal parts should be pre-treated and powder coated with epoxy polyester powder coat.

Safe working load must be 55kgs.

Optional accessory: Spike guard/Extension board.

43. SS Saline Stand



Supply and installation of saline stand, Telescopic height adjustable saline stand mounted on castor. Over all dimension should be 695 mm diameter base circle with ht. adj from 1568 mm to 2121 mm. The 4 prong bottom frame should made of 1.6 mm thick mild steel and the lower basement should be 3 mm diameter with 1.6

mm thick MS tube. Four nos. high endurance anti-static plastic molded 50 mm castors should be provided with dual locking. The telescopic rod should be 19 mm diameter, 1.6 mm thick ss 304 grade tube with locking knob. 4 nos. hooks are provided for hanging saline bags. The telescopic tube should have plastic bush at the bottom which provide smooth linear motion during height adjustable. All the MS part are pretreated with 9tank process with zinc phosphate and powder coated with anti-microbial epoxy polyester powder coating. Saline stands **as approved by engineer in-charge/employer.**

44. Kick Bucket



Overall dimension should be 517 mm diameter x 210 mm (H) ($\pm 10\%$ Engineering Variation). It should be three-legged kick bucket mounted on synthetic body 100 mm diameter castors. The ring unit should be made of SS 304 tube 25.4 mm diameter and 12.7 mm diameter with 1.2 mm thickness maximum load bearing capacity should be 20 kg, 1 nos. of SS Bowl of 360 mm Diameter, height: 350 mm. The bowl wall thickness 1.2 mm. Kick Bucket as approved by engineer in-charge/employer

45. 3-Fold Screen



Supply and Installation of 3-fold screen with Overall dimension: Length: 2637mm X Width 640mm x height: 1720 MM. Frame is made of Stainless-steel (SS 304 Grade) tube with movable. The fix frame is made of 25.4 mm diameter 1.6 mm thick Stainless-steel (SS 304 Grade), the movable frame is made of 25 mm diameter 1.6 mm thick Stainless-steel (SS 304 Grade) and the leg frame is made of 32 mm square tube with 1.6 mm thick Stainless-steel (SS 304 Grade), Castor shall be provided 75mm diameter. Canvas: good quality canvas fabric attached with the help of spring on the edge. 3-fold screen **As approved by engineer in-charge/employer.**

46. Emergency Trolley for patient



Supply and installation of emergency trolley is height adjustable, back rest is adjustable and have Trendelenburg and reverse Trendelenburg 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 Trendelenburg and reverse Trendelenburg function with assist of 2 nos. Gas Spring. the gas springs is of 530 mm length and 168 mm stroke.

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 height 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. trolley **as approved by engineer in-charge/employer.**

47. U pattern fast track curtain with rail



Providing and fixing/Installation of hospital cubicle track system with following specification: Track material shall in general be aluminium alloy 6063-T-6 having tensile strength 195 Mpa, shear tensile Strength 195 MPa, Shear Strength 150 Mpa. All materials shall be Corrosion resistance and shall have minimum 50-micron polyester powder coating of approved shade. The curtain track system shall have following components.

Support units consisting of ceiling suspender system and wall support unit. Ceiling suspender system shall consist of upper aluminium plates of diameter 50.4 mm and thickness 1.8 mm. Each plate shall be fixed to ceiling with 3 No. raw plugs and screws. Ceiling suspenders shall be made of aluminium pipe of minimum dia 12.7 mm and of variable height in conformity with the ceiling height and curtain height. Minimum three suspenders shall be provided for each cubical. Wall support unit shall be made of aluminium and shall be fixed with the wall with raw plug and screws.

Curtains track shall be made of aluminium alloy of minimum size 20.4 mm x 25 mm of thickness side 1.6 mm and top 3.3 mm. it will have curtain removable point made of galvanized steel for simple loading and unloading of curtains.

7mm diameter wheel type Teflon coated plastic roller and provided with 1.8 mm dia. stainless steel (302 grade) 30mm hooks.

Bends: Track shall be bendable to a radius of 300 mm at 90 degrees to cover the length and width of bed. The bend shall be joint less.

Hospital cubical curtains (Overall Height: 7.5 Feet) consisting of polyester blended fabric with 450 mm nylon mesh (net) on the top of curtain. The fabric shall be wrinkle free, shrink proof, anti-Odor, stain retardant and water-repellent. Curtains shall be fitted with

stainless steel grommets at 150 mm centre to centre. Sliding curtain facility for patient in "U" pattern

Curtain: - anti microbial & flame resistant 100 % polyester fabric. White nylon mesh at top. Fabric length to be equal to track length plus 20 % added fullness. Fabric height equals floor to ceiling height minus a 10-inch gap at bottom. Fabric is hemmed at all sides and bottom. Install tracks level and plumb, according to manufacturer's written instructions. All MS parts should be Pre-treated & powder coated. Sliding curtain facility for patient in "U" pattern as approved by engineer in-charge/employer.

48. Roller blind Curtain for window



Scope of Supply: Providing & Fixing up of Window curtain (Roller blind curtain) Black out/translucent type in required sizes having the following specification:

Mounting Bracket: Mounting hardware brackets, universal brackets including end plug bracket should come with lock down retainer device. Metal brackets provided should come in powder coated finish. All installation brackets made of stamped and hardened steel allowing a 46mm projection from the wall, ceiling and side fitting with screws and end cap covers.

Cassette: It is a cover for blinds installed outside the window frame to hide tube brackets and mechanism. This is aluminium extruded rail made up of high strength aluminium alloy, which is covered with matching fabric. For 38 mm grooved roller tube cassette size should be 100mm (Width)*100mm (Height) and having weight =1200gm/running meter ($\pm 5\%$).

Cassette Ceiling Bracket: This is made up of carbon Steel, DIN Standard Steel, Thickness: 1.0mm, Powder Coating Thickness: 0.15mm to 0.20mm. This provides near invisible fixing of the cassette.

Cassette system end caps: It should have minimum 2.5mm thickness plastic end cap and should be in coordination with the blind fabric colour.

Roller Tube: This is made up of High Strength Aluminium alloy Extruded grooved tube having outer diameter 38mm(+/-1mm) & thickness 1.25mm (+/-5%) as per AA6063 Alloy. Tubes must come in natural anodized finish. To achieve greater reinforcement anodized tubes must have at least six internal ribs so that additional tensile strength can be achieved and allowing provision for secured placements of clutch and end plug.

Roller tube brackets: Spring steel metal brackets powder coated in matching finish to be used on both ends to support the roller system. Brackets can be top or face fixed.

Control Unit: Blinds mechanism must have the control clutch drive unit with engineered heavy duty chain drive pulley operating system consisting of gear clutch housing and locking plug containing at least 6 ribs and inserted into a minimum of 38mm dia. roller tube. Clutch has to be self-lubricating with safety pins for secure bracket installation and unlocking pin for quick manual removal. Provided clutch system must allow convenience in operation for large windows to the smallest windows. The control unit should be made up of polypropylene material using injection moulding method. Gearing Ratio: 1.75:1 to reduce operating force for larger blinds. 24nos Sprocket for 38mm diameter roller tube. Control unit is operated directionally by the use of beaded endless chain to raise and lower the blind smoothly.

Idler: Tube bearing plug idler should have the properties of self-lubricating spring-loaded plastic bearing end plug with positive locking wheel that allows for adjustment and provides a secure installation and removal of blinds. Tube bearing plug should contain at least 6 ribs and inserted a tube not less than 38mm roller tube. Idler is of high strength reinforced plastic, consisting of an outside sleeve and centre shaft. Sleeve provide bearing surface for centre shaft and rotate freely, providing smooth, quiet and long wearing operation. It is a Part of Control Unit Assembly.

Bottom Rail: This is made up of extruded aluminium bottom bar having powder coating of 55 microns and wall thickness of $\pm 1.2\text{mm}$ (± 0.1) and width of 26.5mm($\pm 1\text{mm}$) and height of 33.5mm($\pm 1\text{mm}$) and weight: 380gm/meter ($\pm 5\%$). All bottom rails should come with powder coated finish with an end cover perfectly in matching with the fabric. Bottom bar also includes concealed bottom bar rod to allow fabric to roll as per duplex guidelines and dimensions of concealed bottom bar rod specified as inner diameter: 10.8mm, outer diameter: 14.8mm, Weight: 219gm/meter, Thickness: 1mm ($\pm 5\%$) should be provided with matching cover.

Concealed bottom bar rod: Bottom bar includes concealed bottom bar rod to allow fabric to roll as per duplex guidelines. Aluminium bottom bar rod made up of AA6063 alloy having Rod I/D: 10.8mm, O/D: 14.8mm, Weight: 219gm/mtr, Thickness: 1mm ($\pm 5\%$) with the covered matching. **Bottom bar end caps:** End caps of bottom bar should be made up of ABS material using Injection moulding method having perfect push fit with the bottom bar. The dimensions of end caps of bottom bar specified as length: 18mm, width: 27.5mm, height: 34.5mm, thickness 2mm and end caps of bottom bar should also have polyurethane bush to fit in bottom tube for smooth operation of blinds.

Operating chain: Blinds set is to be driven by a ball chain pulley and ball chain and can be positioned at Right hand or Left-hand side of the blinds set. This is made of 4.5 mm plastic beads molded on 2.0 mm thick polyester cord. The chain drives the sprocket fixed in the

end control unit to close and open the blind. The pitch of the chain corresponds to the sprocket in perfect match for trouble free operation. Average number of balls on chain should be 50 per foot length. Plastic chain should provide ease in operation with chain connector and polycarbonate stopper of O/D:6mm & I/D: 4mm to avoid reverse rolling of fabric over tube and protecting damages to blind fabric.

Cord Weight: It should have suitable acrylic clear cord weight to suit the operating chain. Thickness: 14mm, width: 30mm and height: 80mm.

Note: The control unit & cassettes shall be made with matching colour of blind with aesthetically pleasing matching look of room.

The fabric shall be selected from best quality fabric. The fabric shall have properties such as acoustic control, anti-fungal and anti-microbial. Sheer fabrics shall allow in maximum amount of light (20-100% light transmission), whilst still preserving privacy and Dim out (Privacy fabrics) (1 – 19% light transmission) allow in restricted amount of light, whilst ensuring complete privacy, even in the evening. Blackout fabric shall completely blocks out sunlight, for complete privacy, room darkening and temperature regulation (0% light transmission).

The fabric color as approved by employer The weighted composition of fabric shall be made of 100% Polyester woven fabric with a openness factor of 3%. The fabric shall have a weight of 168 GSM (± 5 GSM). The solid depth of fabric shall be 75mm and sheer depth shall be 50mm. Light fastness shall be 4-5 Grade tested in accordance with BS EN ISO 105-B01:1999, Roller Blind Curtain as approved by engineer in-charge/employer.

49. Stainless steel Dustbin



Supply Installation of Stainless-steel Dustbin with Lid and Handel- Dimension of dustbin shall be 10 Inch X 14 Inch, capacity of dustbin: 15 Liter. Material Non-Magnetic stainless steel 202 Grade, Thickness of wall is 1.0 mm, Dustbin shall be Leg operated, Dustbin as approved by Engineer In-charge/Employer.

50. Dustbin Large (100 Litre)



Supply and installation of Large dustbin (100 Litre) with wheel and Lid , the dustbin shall be Heat resistant

UV stabilized

Made of High-Density Polyethylene (HDPE) material Injection moulded

- Leg Operated lid.

-Dead weight approx. (kg) -10.5

-Useful load (kg)- 60

- Overall height (mm)- 940

- Overall width (mm) 480

- Overall depth (mm)-550

- Upper edge comb (mm)-870

- Wheel diameter (mm)-200

Dustbin as approved by Engineer/Employer

51. Lab stool



Supply and Installation of Laboratory Stool, the SEAT ASSEMBLY: The seat should be made up of 1.2 ± 0.1 cm thick flat plywood and with moulded Polyurethane foam and should be upholstered with replaceable synthetic leather covers.

SEAT SIZE: Diameter 40.0 cm ADJUSTMENTS: 360° Revolving type

BACK ASSEMBLY: The back foam should be designed with contoured Lumbar support for extra comfort. The upholstery should be available in synthetic leather.

*BACK SIZE: 45.0 cm (W) covered with polyurethane foam.

HIGH RESILIENCE (HR) POLYURETHANE FOAM: the HR polyurethane foam should be moulded with density = $45 \pm 1-2$ kg/m³ and Hardness load 16 ± 2 kgf for 25% compression.

HEIGHT ADJUSTMENT: The manual height adjustment should be very easy to operate with a help of a knob. It can be easily locked at the most comfortable position.

PEDESTAL ASSEMBLY: The five-prong pedestal should be fabricated from 0.2 ± 0.02 cm thick HR sheet (should be: DD 10791 HR), powder coated (DFT 40-60 microns) and fitted with an injection moulded black Polypropylene Hub Cap and 5 nos. twin wheel castors. The pedestal should be 55.0 ± 0.5 cm pitch-circle diameter (65.0 ± 1.0 cm with castors).

TWIN WHEEL CASTORS: The twin wheel castors should be injection moulded in Black Nylon.

Overall dimensions shall be Width- 65.0 cm, Depth- 65.0 cm, Height- 66.0 cm to 77.5 cm Seat Height- 45.0 to 56.5 cm. stool as approved by engineer in-charge/employer.

Package-III, Supply, Installation testing and commissioning of furniture work for Hospital Block, Government Medical College & Hospital, Jalgaon, Maharashtra.					
Reference No.		HSCC/GMC-JALGAON/Hospital Block-Furniture/2025			
Name of Manufacturer/Bidder					
Address & Contact Details of the Manufacturer/Bidder submitting the Budgetary Quotation:					
S. No.	Name of Items	Unit	Total Quantity	Rate Per Unit (In Rs.) with inclusive of All Taxes & Duties and 3 Years Warranty	Amount (In Rs)with inclusive of All Taxes & Duties and 3 Years Warranty
1	3-seater Waiting Chair	Each	575		
2	Work Station (1200mmx600mm	Each	34		
3	Modular Reception table	SQMT	60		
4	Chair of reception Table	Each	14		
5	Police Room Table (1500mmx750mm)	Each	5		
6	Chair for Police Room/nurse station	Each	20		
7	Visitor Chair	Each	10		
8	Office table with side unit for Doctor and Consultant Room (1650mmx700mm)	Each	99		
9	High back revolving chair	Each	110		
10	Visitor chair	Each	220		
11	Bed Side Locker	Each	748		
12	OVER BED TABLE	Each	651		
13	Work station (1500mmW1 x 1500mm W2x1200mm Height 600mm Depth)	Each	59		
14	Work Station Chair	Each	93		
15	Steel Almirah	Each	20		
16	FULLY MOTORISED BED WITH MATTRESS (ICU/ PRE-OPERATIVE/ POST- OPERATIVE)	Each	40		
17	Work Table for Office	Each	52		
18	High Back Chair	Each	52		
19	Visitor chair	Each	104		
20	4-seater dining table	Each	16		
21	Dining Chair	Each	64		
22	Examination Couch	Each	78		
23	SS Top Round stool with height adjustable	Each	291		
24	CRIB ON TROLLEY WITH CASTORS WITHOUT MATTRES	Each	19		
25	Paediatric Sheet Bed with Side Rail With mattress	Each	78		
26	Office Table	Each	11		
27	Desk-let Chair	Each	200		
28	Hospital Fowler Bed with mattress	Each	192		
29	3-seater Sofa	Each	2		
30	2-Seater Sofa	Each	3		
31	Center Table	Each	2		
32	Corner Table	Each	3		
33	Wall Side Lab Cabinet	Each	65		
34	Island type LAB Table	Each	32		

Package-III, Supply, Installation testing and commissioning of furniture work for Hospital Block, Government Medical College & Hospital, Jalgaon, Maharashtra.					
Reference No.		HSCC/GMC-JALGAON/Hospital Block-Furniture/2025			
Name of Manufacturer/Bidder					
Address & Contact Details of the Manufacturer/Bidder submitting the Budgetary Quotation:					
S. No.	Name of Items	Unit	Total Quantity	Rate Per Unit (In Rs.) with inclusive of All Taxes & Duties and 3 Years Warranty	Amount (In Rs)with inclusive of All Taxes & Duties and 3 Years Warranty
35	Semi motorized ICU BED with mattress	Each	409		
36	Fully Motorized Delivery BED	Each	10		
37	CRASH CART	Each	66		
38	Dressing Trolley	Each	74		
39	Patient Stretcher Trolley	Each	66		
40	Instrument Trolley	Each	74		
41	Folding Wheel Chair	Each	66		
42	Emergency Crash Cart	Each	14		
43	SS Saline Stand	Each	289		
44	SS Kick Bucket	Each	74		
45	3-Fold Screen	Each	35		
46	Emergency Trolley for patient	Each	26		
47	U pattern fast track curtain with rail	SQMT	5500		
48	Roller blind Curtain for window	SQMT	1500		
49	Stainless steel Dustbin	Each	249		
50	Dustbin Large (100 Litre	Each	70		
51	Lab stool	Each	97		
52	Total Amount In Rs.				