

**Request For Budgetary Estimate of furniture work Nursing Student Hostel, PG-1
Hostel, Mortuary Block, Dining Block-1 and Dining Block-2 at AIIMS, Rajkot**

HSCC/AIIMS Rajkot/Hostel Furniture/2025

Date: 21/11/2025

HSCC (India) Ltd. intends to invite on-line budgetary estimate from eligible bidders for supply, Installation testing and commissioning of furniture for Nursing Student Hostel, PG-1 Hostel, Mortuary Block, Dining Block-1 and Dining Block-2 at AIIMS, Rajkot.

The proposed technical specifications and Bill of Quantity (BOQ) for the furniture items are enclosed herewith. You are requested to submit budgetary quotations for the furniture items inclusive of all taxes and duties, 3 years warranty, and freight charges from the warehouse to the consignee location, i.e., AIIMS, Rajkot, Gujarat.

The quotation must be submitted on the company's letterhead, duly signed and stamped, strictly as per the enclosed BOQ format. The same should be submitted in both Hard Copy and Soft Copy within 10 days from the date of issuance of this notice at the following address:

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

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

Technical Specification of furniture work for Nursing Student Hostel, PG-1, Hostel, Mortuary Block, Dining Block-1 and Dining Block-2 at AIIMS, Rajkot
(All Images are indicatives only)

1. WOODEN WARDROBE (2/3 Door)



Providing and placing of wooden wardrobe at site. The width and height of the wardrobe shall be as per actual site measurements, Depth of almirah: 600 mm approx. ($\pm 5\%$ Engineering Variation), Body panels are made of 18 mm (± 1 mm) thick ISI marked Commercial plywood (Moisture Resistant grade plywood) finished with 1.0 mm thick laminate on both sides, All the exposed edges are edge banded with 2 mm thick PVC edge banding. Openable Doors/Sliding Doors shall be made of 18 mm (± 1 mm) thick ISI marked Commercial plywood (Moisture Resistant grade plywood) finished with 1.0 mm thick laminate on both sides all the exposed edges are edge banded with 2 mm thick PVC edge

banding. Side panel are made of 18 mm (± 1 mm) thick ISI marked Commercial plywood (Moisture Resistant grade plywood) finished with 1.0 mm thick laminate on both sides, all the exposed edges are edge banded with 2 mm thick PVC edge banding, 4/5 nos. Drawer/shelf components shall be fabricated from 25 mm thick ISI-marked Commercial Plywood of Moisture Resistant (MR) grade, and shall be finished with 1.0 mm thick laminate on both sides. All the exposed edges are edge banded with 2 mm thick PVC edge banding. Body back and drawer bottom are made of 18 mm (± 1 mm) thick ISI marked Commercial plywood (Moisture Resistant grade plywood) finished with 1.0 mm thick laminate on both sides. 5 mm thick mirror shall be provided and fitted in the wooden wardrobe. The size of the mirror shall be 900 mm–1000 mm (Length) $\times$ 300 mm–400 mm (Width). The mirror shall be fixed with wooden beading of 30 mm–40 mm width and 10 mm–12 mm thickness (or as approved by engineer in-charge/employer). The mirror shall be of make Saint-Gobain/Modi Guard or equivalent or as approved by the Engineer-in-Charge/Employer. A stainless steel (SS 304 grade) hanger rod of 25 mm diameter and 2 mm thickness shall be provided in the almirah, the almirah shall be provided with scribe moulding to cover minor gaps or uneven edges at the junctions where the wardrobe meets walls, ceiling, or any other adjoining surfaces, as applicable. Hardware: The high-quality hardware like Roller slides, Stainless Steel Hinges, L-brackets, Mini fix, Stainless Steel Handles (6 inches), locks, wooden dowels, screw, Aluminium Z Bar Clips, Hanging Mounting Bracket shall be used of Hettich/EBCO make or equivalent or as approved by engineer in charge/employer. Commercial plywood and Laminate Make: Centuryply/Greenply/Kitply/Merino/Greenlam or equivalent/or as approved by engineer in-charge/employer), Wooden Wardrobe as approved by engineer in-charge/employer.

2. Single Bed (With Box)



Providing and placing of single wooden Bed with size, Head board height: 900mm, Width: 930mm, Length: 2060 mm ($\pm 5\%$ Engineering Variation), Single Bed Support structure made

up of M.S. Pipe 75mmx25mmx1.6 mm thickness and 25mmx25mmx1.6mm thickness duly powder coated through seven tank process of Powder Coating with thickness of 50 microns (+10). Head board is made of 18 mm (± 1 mm) thick ISI marked Commercial plywood (Moisture Resistant grade plywood) faced with 1.0 mm thick laminate on both sides. Tail board is made of 18 mm (± 1 mm) thick ISI marked Commercial plywood (Moisture Resistant grade plywood) faced with 1.0 mm thick laminate on both sides. Head board size: 930mmx900mm ($\pm 5\%$ Engineering Variation) and foot board of size: 930mmx450 mm ($\pm 5\%$ Engineering Variation), both side rail is made of 18mm (± 1 mm) thick ISI marked Commercial plywood (Moisture Resistant grade plywood) faced with 1.0 mm thick laminate on both sides. Mattress panels and Box Bottom Panel of Bed are made of 25 mm (± 1 mm) thick ISI marked Commercial plywood (Moisture Resistant grade plywood) faced with 1.0 mm thick laminate on both sides with, All Exposed edges of Commercial plywood to be sealed with 2mm thick PVC edge band and 0.8mm thick PVC edge-banding tape pressed at 200o C to be applied on Non-exposed edges 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. Construction: Knock Down construction. Finish: Walnut shade or single wooden Bed as approved by engineer in-charge/employer. The high-quality hardware like Roller slides, SS Hinges, minifix, SS Handels, drawer locks, wooden dowels, screw, shall be used of Hettich/ EBCO make or equivalent or as approved by engineer in-charge/employer. Commercial plywood and Laminate Make: Centuryply/Greenply/Kitply/Merino/Greenlam or equivalent/or as approved by engineer in-charge/employer).

3. Single Bed Mattress



Providing and placing of Single bed Mattress: size 78*36" or as per size of single bed, Providing quilted mattress 6" with coir, Thickness of 150mm, density 80 GM/dcm³, piled foam quilting (one side) 14 mm thickness, piled foam density 18 GM/d cm³, PU foam thickness 5 mm, Fabric 85 GSM poly cotton material. Brand of Mattress: sleep well/kurlon or mattress as approved by engineer in-charge/employer.

4. Open over Head Storage



Providing and placing of wooden open overhead shelves for each student room- size (750mmW*450mmD*600mmH) ($\pm 5\%$ Engineering Variation) Body panels/sides panel are made of 18 mm ($\pm 1\text{mm}$) thick ISI marked Commercial plywood (Moisture Resistant grade plywood) faced with 1.0 mm thick laminate on both sides, All the exposed edges are edge banded with 2.0 mm thick PVC edge banding. 1 no. Drawer/shelf components are made of 25mm ($\pm 1\text{mm}$) thick ISI marked Commercial plywood (Moisture Resistant grade plywood) faced with 1.0 mm thick laminate on both sides. All the exposed edges are edge banded with 2.0 mm thick PVC edge banding. Body back and drawer bottom are made of 18 mm ($\pm 1\text{mm}$) thick ISI marked Commercial plywood (Moisture Resistant grade plywood) faced with 1.0 mm thick laminate on both sides. The high-quality hardware like Roller slides, SS Hinges, minifix, SS Handels, drawer locks, wooden dowels, screw, shall be used of Hettich/EBCO make or equivalent or as approved by engineer in charge/employer. Commercial plywood and Laminate Make: Centuryply/Greenply/Kitply/Merino/Greenlam or equivalent/or as approved by engineer in-charge/employer) Wooden Wardrobe as approved by engineer in-charge/employer.

5. Study Table



Providing and placing of study Table size: 750mm to 900mm (L) (or as per room size) x600mm (W)x750mm(H) ($\pm 5\%$ Engineering Variation) top made of 25 mm ($\pm 1\text{mm}$) thick ISI marked Commercial plywood (Moisture Resistant grade plywood) faced with 1.0 mm thick laminate on both sides. The Gable end is made up of 25 mm ($\pm 1\text{mm}$) thick ISI marked Commercial plywood (Moisture Resistant grade plywood). The under structure is made of 18 mm ($\pm 1\text{mm}$) thick ISI marked Commercial plywood (Moisture Resistant grade plywood) faced with 1.0 mm thick laminate on both sides, all exposed edges sealed with 2mm PVC edge banding tape and all unexposed edges sealed with 0.8mm edge banding tape pressed at 200o C with hot melt glue on special machines. Table has a provision for wire manager caps at top. Providing & fixing of storage size-400mm(L)x450mm(D)x 150mm(H) ($\pm 5\%$ Engineering Variation). The drawer unit is made of 18 mm ($\pm 1\text{mm}$) thick ISI marked Commercial plywood (Moisture Resistant grade plywood) faced with 1.0 mm thick laminate on both sides and 0.8mm thick PVC edge-banding tape pressed at 200o C to be applied on non-exposed edges 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 drawer shall be provided with proper locking arrangement, drawer sliding, rollers channels. The high-quality hardware like Roller slides, SS Hinges, minifix, SS handles, 3-way locks, wooden dowels, screw, shall be used of Hettich, EBCO make or equivalent or as approved by engineer in charge/employer, Commercial plywood and Laminate Make: Century ply/Green ply/Kit ply/Merino/Greenlam or equivalent/or as approved by engineer in-charge/employer)Load Bearing Capacity- of Table Top: 80 Kg. Table as approved by engineer in-charge/employer. All Wooden panels shall be stained to approved colour finished with melamine and scratch resistivity to pass 4H test.

6. Chair For Study Table



Supply and installation of chair with the cushioned seat assembly consists of seat base moulded in glass-filled Poly-amide, moulded Polyurethane foam & upholstered with high stretch knitted polyester fabric. The cushioned back assembly consists of back inner moulded in Polypropylene in-situ moulded with Polyurethane foam & upholstered with high stretch knitted polyester fabric. Full Back Size: 45.5 cm. (W) x 53.0 cm. (H) *Seat Size :48.5 cm. (W) x 49.0 cm. (D) ($\pm 5\%$ Engineering Variation) The HR polyurethane foam used in seat and back cushion is moulded in Density $45 \pm 2 \text{ kg/m}^3$, and hardness load $16 \pm 2 \text{ kgf}$ as per 15:7888 for 25% compression. The seat and back are firmly connected such a way that it gives a multi-dimensional movement possibility just with a simple lean on the sides or back, without need for complex manual adjustments. The seat offers impact cushioning while sitting and synchronises with the back movement during posture changes. The "5" shaped spines moulded in high strength glass-filled Poly-amide and the spine connector moulded in glass-filled Poly-amide form the back-spine structure involved in multi-dimensional recline motion. The variable tilt angle recline motion can be adjusted with 3 position Tilt Limit feature which is inbuilt in seat base and the tension (return force) is user weight dependent. The armrest structure, both moulded in glass-filled Poly-amide. The height adjustment feature is button operated having adjustment of $6.6 \pm 0.5 \text{ cm}$. The Armrest Top is made up of integral skin PU moulded over plastic inner moulded in glass-filled Poly-amide. The seating height can be adjusted with a pneumatic gas-lift having an adjustment stroke of $9.2 \pm 0.3 \text{ cm}$. The pedestal is injection moulded in glass-filled Poly-amide and fitted with 5 nos. twin wheel castors. The pedestal is $66.0 \pm 0.5 \text{ cm}$. pitch centre diameter and $76.0 \pm 1.0 \text{ cm}$. with castors. twin wheel castors are injection moulded in Poly-amide having $5.0 \pm 0.1 \text{ cm}$ diameter and assembled to the pedestal. Dimensions measured out to out extreme point) on components in knockdown condition, chair height shall be 99.5cm-108.8cm ($\pm 5\%$ Engineering Variation).

7. Stainless steel Dustbin



Supply and Installation of Stainless-steel Dustbin with Lid and Handle- Dimension of dustbin shall be 10"X 14 " , capacity of dustbin: 15 Liter. Material Non-Magnetic stainless steel 304 Grade, Thickness of wall is 1.0 mm, Dustbin shall be Leg operated or as approved by Engineer/Employer.

8. Bed side Table



Providing and placing of Bed Side table with one drawer and one open cabinet, Overall Size : Depth - 450 mm, Width 450 mm, Height - 510 mm ($\pm 5\%$ Engineering Variation) Material : Body and drawer panels of Bed side table are made of 18 mm ($\pm 1\text{mm}$) thick Pre-laminated MDF Board, Side panels are made of 18 mm ($\pm 1\text{mm}$) thick Pre-laminated MDF board, All Exposed edges of pre-laminated MDF board to be sealed with 2mm thick PVC edge band and 0.8mm thick PVC edge-banding tape pressed at 200o C to be applied on Non-exposed edges 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 high-quality hardware like Roller slides, SS Hinges, minifix, SS Handles, drawer locks, wooden dowels, screw, shall be used of Hettich, EBCO make or equivalent or as approved by engineer in charge /employer. Pré-laminated MDF

Board Make: Century/Action Tesa or equivalent/or as approved by engineer in-charge/employer), bed side table as approved by engineer in-charge/employer

9. Double Bed with Box



Providing and placing of Double bed with Box Overall Size: Length - 2053 mm Width - 1860 mm Height - 978 mm ($\pm 5\%$ Engineering Variation) Material: double Bed Support structure made up of M.S. Pipe 75mmx25mmx1.6 mm thickness and 40mmx40mmx1.2mm thickness duly powder coated through seven tank process of Powder Coating with thickness of 50 microns (± 10). Horizontal plinths and bottom plinth are made of 25 mm Thick ISI marked Commercial plywood (Moisture Resistant grade plywood) faced with 1.0 mm thick laminate on both sides. Head board is made of 25 mm thick ISI marked Commercial plywood (Moisture Resistant grade plywood) faced with 1.0 mm thick laminate on both sides. Tail board is made of 25mm thick ISI marked Commercial plywood (Moisture Resistant grade plywood) faced with 1.0 mm thick laminate on both sides. Head board size: 978mmx1571mm ($\pm 5\%$ Engineering Variation) and foot board of size: 1571mmx450 mm ($\pm 5\%$ Engineering Variation), Side rail is made of 25 mm thick ISI marked Commercial plywood (Moisture Resistant grade plywood) faced with 1.0 mm thick laminate on both sides. Mattress panels of Bed are made of 25 mm thick ISI marked Commercial plywood (Moisture Resistant grade plywood) faced with 1.0 mm thick laminate on both sides with, All Exposed edges of pre-laminated board to be sealed with 2mm thick PVC edge band and 0.8mm thick PVC edge-banding tape pressed at 200o C to be applied on Non-exposed edges 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. Construction: Knock Down construction. Finish: Walnut shade or double wooden Bed as approved by engineer in-charge/employer.

10. Double Bed Mattress



Providing and placing of Single bed Mattress: size 78*72" or as per size of single bed, Providing quilted mattress 6" with coir, Thickness of 150 mm, density 80 GM/dcm³, pilled foam quilting (one side) 14 mm thickness, pilled foam density 18 GM/d cm³, PU foam thickness 5 mm, Fabric 85 GSM poly cotton material. Brand of Mattress: sleep well/kurlon or mattress as approved by engineer in-charge/employer.

11. TV Unit



Providing and installation of wooden Modular TV unit with four drawers and open shelf unit with overall size 1550mm Length x 750mm Height x500mm Depth as mentioned

above. The Body panels are made of 25mm thick ISI marked Commercial plywood (Moisture Resistant grade plywood) faced with 1.0 mm thick laminate on both sides. Top and Bottom panels are to made in 35 mm Thick ISI marked Commercial plywood (Moisture Resistant grade plywood) faced with 1.0 mm thick laminate on both sides, assembled with batten of same thickness combinedly edge banded to form overall thickness of 30mm on edges. All the exposed edges of Top and Bottom to be sealed with 1.5mm thick PVC edge band and rest all the panel's exposed edges are sealed with 0.8mm PVC edge band. The overall length of the TV unit is divided in three equal parts for provision of drawers and open shelf unit. The four drawers of equal sizes are located at both the end and open shelf at the centre of the unit. The drawer panels and Drawer Facia are made up of 25mm thick ISI marked Commercial plywood (Moisture Resistant grade plywood) faced with 1.0 mm thick laminate on both sides. The drawer bottom and back panel of TV unit is made up of 12 mm thick ISI marked Commercial plywood. The Drawers are provided with decorative SS finished handles of 160mm Centre Distance. Drawers are mounted on telescopic ball bearing slides. Hardware: The high-quality hardware like Roller slides, Stainless Steel Hinges, L-brackets, Mini fix, Stainless Steel Handles (6 inches), locks, wooden dowels, screw, Aluminium Z Bar Clips, Hanging Mounting Bracket shall be used of Hettich/EBCO make or equivalent or as approved by engineer in charge/employer. Commercial plywood and Laminate Make: Centuryply/Greenply/Kitply/Merino/Greenlam or equivalent/or as approved by engineer in-charge/employer). TV unit design as approved by engineer in charge/employer.

12. Main Table with side unit (Warden Room)



Supply and installation of Table size shall be 1500mmL x 750mmWx 750mmH ($\pm 5\%$ Engineering Variation). Table top shall be 25 mm ($\pm 1\text{mm}$) thick Pre-laminated MDF Board conforming to Grade SBG II of IS 12406/2003 with laminated both side 1 mm thick laminate, E1 grade 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). The

modesty panel shall be 18 mm (± 1 mm) thick Pre-laminated MDF Board conforming to Grade SBG II of IS 12406/2003 with laminated both side 1 mm thick laminate. All Exposed edges of pre-laminated MDF board to be sealed with 2mm thick PVC edge banding and 0.8mm thick PVC edge-banding tape pressed at 200o C to be applied on non-exposed edges 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.

ERU - LHS size shall be 1050mm Width x 450mm Depth x 705mm Height ($\pm 5\%$ Engineering Variation). The top shall be 25 mm (± 1 mm) thick Pre-laminated MDF Board conforming to Grade SBG II of IS 12406/2003 with laminated both side 1 mm thick laminate. Flat Edge duly sealed with 2 mm thick PVC beading. The Modesty shall be 18 mm (± 1 mm) thick MDF Board with laminated both side 1 mm thick laminate. Edge sealed with 2 mm thick PVC Banding.

Mobile pedestal Unit: 3 drawer (2 drawer & 1 filing Cabinet) Mobiles Metal pedestal of overall dimensions internal and external dimensions 380-430 mm (W) x 430-480 mm (D) x 600-650 mm (H) ($\pm 5\%$ Engineering Variation). Mobile pedestal body should be made of CRCA of thickness 0.8 mm duly powder coated with 70-80 micron. Each pedestal should be provided with pencil tray/drawer size: 120 mm (H) x 380 mm (W). Filling cabinet size; 350 mm (H) x 380 mm (W) ($\pm 5\%$ Engineering Variation) pedestal should have 4 Nos castor fitted to it, diameter of castors is 50 mm, All the pedestal drawers are centrally locked with a single key. 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 make: Century/Action Tesa/Merino/Greenply or equivalent/or as approved by engineer in-charge/employer), Table as approved by engineer in-charge/employer.

13. High Back Chair



Supply and installation of chair the cushioned seat/back assembly consists of an outer shell made from a mixture of Polypropylene (PP) and 30% Glass Fiber Nylon (GFN), a seat inner made of Polypropylene, moulded Polyurethane (PU) foam, and upholstered with 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. Full Back Size: 46.5 cm. (W) x 60.0 cm. (H), Seat Size: 51.0 cm. (W) x 49.0 cm. (D) ($\pm 5\%$ Engineering Variation) 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 adjustments Height ($6.0 \pm 0.5 \text{ cm}$). Height adjustment should be provided in aluminium structure of armrest which should be connected to aluminium 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 a high-strength plastic inner core, ensuring comfort, durability, and long service life. 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 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 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 $3.75 \pm 0.1 \text{ cm}$ 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 $5.0 \pm 0.5 \text{ cm}$ Pneumatic Height Adjustment: The pneumatic height adjustment has an adjustment stroke of $10.0 \pm 0.3 \text{ cm}$. 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 $65.0 \pm 0.5 \text{ cm}$ pitch-centre dia. ($75.0 \pm 1.0 \text{ cm}$. With castors.) Twin Wheel Castors: The twin wheel castors should be injection moulded in black PP having $6.0 \pm 0.1 \text{ cm}$ wheel Diameter. The neck rest assembly cons should be ts of upholstered Neck rest inner(material-Polypropylene) with moulded Polyurethane foam and Polyester fabric. Upholstered inner should be fixed to Neck rest cover. Neck rest should be fixed to Back assembly through Neck rest spine. Neck rest assembly has height adjustment of $5.5 \pm 0.5 \text{ cm}$ and Rotation adjustment of overall $20^\circ \pm 2^\circ$. Chair as approved by engineer in-charge/employer.

14. Mid Back Chair.



Supply and installation of chair, Seat/Back Assembly: the cushioned seat/back assembly consists of an outer shell made from a mixture of Polypropylene (PP) and 30% Glass Fiber Nylon (GFN), a seat inner made of Polypropylene, moulded Polyurethane (PU) foam, and upholstered with 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. Full Back Size: 46.5 cm. (W) x 60.0 cm. (H), Seat Size: 51.0 cm. (W) x 49.0 cm. (D) ($\pm 5\%$ Engineering Variation) High Resilience (Hr) Polyurethane Foam: The HR Polyurethane foam should be moulded with density= 45 ± 2 kg/m³ and Hardness load 12 ± 2 kgf for 25% compression. Back Spine: The support spine should be made up of High Pressure Die cast polished had aluminium. ARMRESTS: The armrest adjustments Height (6.0 ± 0.5 cm). Height adjustment should be provided in aluminium structure of armrest which should be connected to aluminium 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 a high-strength plastic inner core, ensuring comfort, durability, and long service life. 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 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 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. Chair as approved by engineer in-charge/employer.

15. 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

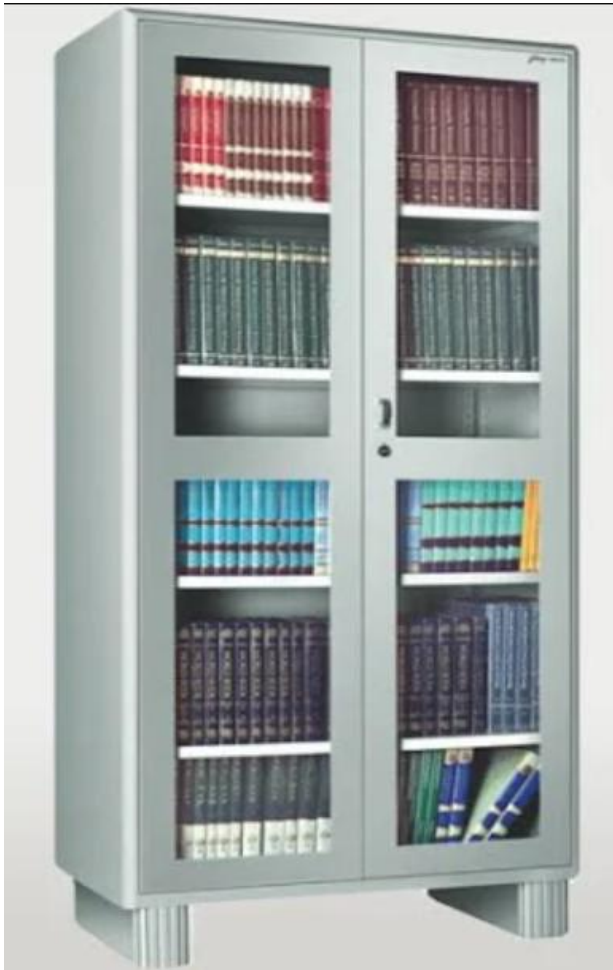
Height : 150 mm, Sofa Leg Width / Diameter ± 2 (mm): 40 mm, Arm Height: 710mm, Arm Width: 120mm, ($\pm 5\%$ Engineering Variation) Sofa: as approved by Engineer In Charge/employer.

16. Centre Table



Supply and Installation of centre table with size: 1200mmW x600mmD x400mmH ($\pm 5\%$ Engineering Variation), top made 25mm (± 1 mm) thick ISI marked Commercial plywood (Moisture Resistant grade plywood) faced with 1.0 mm thick laminate on both sides of approved shade, under storage shelf is made of 18 mm (± 1 mm) thick ISI marked Commercial plywood (Moisture Resistant grade plywood) faced with 1.0 mm thick laminate on both sides of approved shade, All Exposed edges to be sealed with 2mm thick PVC edge band and 0.8mm thick PVC edge-band to be applied on Non-exposed edges 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. Under structure frame and Leg material: Stainless steel (SS 304 grade), size of Frame and Leg material 45mm X 45mm with 1.6 mm thickness, All Wooden panel are stained to pass 4H test of scratch resistivity. Commercial plywood and Laminate Make: Century ply/Green ply/Kit ply/Merino/Greenlam, centre table as approved by engineer in-charge/employer.

17. Almirah with glass shutter



Supply and Installation of Steel storage with Glass Shutter, Almirah size: 910mmWx 486mmDx 2150mmH ($\pm 5\%$ Engineering variation) – Having 4 shelves making 5 compartments for full Height, Whole body, doors frame and shelf made of 0.8 mm CRCA sheet, 8 mm thick Clear glass fitted in door frame, Shelves and doors should have stiffener for better strength and load bearing capacity. Auto closing CED coated “HETTICH”/ “HAEFFLE”/equivalent make Hinges for better adjustment of doors. Chrome plated three-way Recess type spring loaded rectangular snap shut handle cum lock with duplicate keys Highly durable Epoxy Powder Coated CRCA confirming to IS: 513 CR2 (Cold Reduced Carbon Steel Sheets & Strips (Part 1), 2016, Furthermore, Complete material passes through 7 stage, ultra-modern NANO-TECHNOLOGY based Pre-treatment plant prior to powder coating, making it highly corrosive resistant. Superior Finish – Powder coating done on Fully Automatic Powder Coating Plant with world leader GEMA™ spray booth and World Leader AkzoNobel Powder ensures smooth, uniform and highest quality levels of Powder Coating Modern Technology - Rigid Know Down Construction done out of complete 0.8 mm thick CRCA sheet. Each Compartment Shelf has uniformly distributed load capacity per shelf is 35 kg. The rigid construction gives extra strength and durability, whereas the epoxy-polyester

adds the finishing touch to the unit. product gets assembled at site only. Design Simplicity - Simplistic Design with "PEDESTAL" at bottom makes for an aesthetic look and seamless finish, apart from offers large storage capacity that makes sure you have enough space for storage, steel Make: TATA Steel/ Sail Steel/Jindal Steel or Equivalent. Almirah as approved by engineer in-charge/employer.

18. 4-seater Café Table



Supply and installation of Dining Table as per technical specification. 6-Seater Dining table size shall be 1200mm Widthx1175mmDepthx 750 Height mm ($\pm 5\%$ Engineering Variation). Top shall be 25 mm ($\pm 1\text{mm}$) thick base material shall be 25 mm ($\pm 1\text{mm}$) 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 ($\pm 1\text{mm}$), 2 mm thick and it shall be fitted with top by SS machine screws. Legs shall be of MS powder coated and 38 mm ($\pm 1\text{mm}$) dia with 2 mm thick. 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. 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 and Laminate Make: Century/Action Tesa/Merino/Greenply or equivalent or as approved by engineer in-charge/employer), Dining Table as approved by engineer in-charge/employer.

19. 6-Seater Dining Table



Supply and installation of Dining Table as per technical specification. 6-Seater Dining table size shall be 1750mm Width x 1175mm Depth x 750mm Height. Top shall be 25 mm (± 1 mm) thick base material shall be 25 mm (± 1 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 (± 1 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 (± 1 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. 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 and Laminate make: Century/Action Tesa/Merino/Greenply or equivalent or as approved by engineer in-charge/employer), Dining Table as approved by engineer in-charge/employer.

20. Dining Chair



Supply and installation of dining Chair, the seat and back are made up injection moulded high impact strength polypropylene polymer compound with indoor grade UV Resistance. The leg and tubular frame shall be made of stainless Steel 202 grade tube diameter 2.52cm + 0.03 cm x 0.16 +/- 0.0128cm thickness and 3.5+/- 0.03 cm x 0.16 +/- 0.0128 cm. thickness. The tube is buff polished to give shiny finish The Shoes are made of high impact strength polypropylene polymer compound with indoor grade UV Resistance and pressed fitted with tubular frame leg. 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). Dining Chair as approved by engineer in-charge/employer.

21. Work table



Supply and Installation of Work Table size: 1200mm Width x 600mm Depth x 750mm Height, The table top shall be made from 25 mm (± 1 mm) thick Pre-laminated MDF Board conforming to Grade SBG II of IS 12406/2003, side panel made from 25 mm (± 1 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 (± 1 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 (≤ 8 mg/100 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 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.

Free standing Mobile pedestal Unit: 3 drawer (2 drawer & 1 filing Cabinet) pedestal overall dimensions internal and external dimensions 430 mm (W) x 480 mm (D) x 650 mm (H), drawer size: 120 mm (H) x 430 mm (W). Filing cabinet size; 350 mm (H) x 430 mm (W) ($\pm 5\%$ Engineering Variation), shall be made from 18 mm (± 1 mm) thick Pre-laminated MDF Board conforming to Grade SBG II of IS 12406/2003 with a combination of 2 mm and 0.8 mm PVC edge banding on all the exposed surfaces as per requirement. The drawers are provided with suitable slides for smooth operation. All the pedestal drawers are centrally locked with a single key. diameter of castors: 50 mm, 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 make: Century/Action Tesa/Merino/Greenlam or equivalent/or as approved by engineer in-charge/employer), Table as approved by engineer in-charge/employer.

22. HIGH BACK CHAIR-2



Supply and Installation of chair with Seat/ Back Assembly: The seat is made up of 1.2 ± 0.1 cm. thick hot-pressed plywood upholstered with pure leather and moulded polyurethane foam. GSM/Thickness of fabric $\pm 5\%$ (Gram/Square meter): Genuine leather of 0.8-1.0 mm thickness, the back foam is designed with contoured lumber support for extra comfort. The chair should very High back Size: 53.0 cm(W) x 95.4cm(H). High resilience (HR) Polyurethane foam: The HR Polyurethane foam is moulded with density $= 45 \pm \text{Kg/m}^3$ and Hardness load 16 ± 2 kgf as per IS : 7888 for 25% compression. Seat- Back Connecting Spine: the seat back arrested together with spine made of 0.8 ± 0.05 cm thick steel and is black powder- coated (DET 40-60 microns). Armrest Assy: The armrest assy. Comprises of three parts viz. The armrest support tube and P.U. armrest and the armrest top. The armrest tube assy is made of 2.54 ± 0.03 cm x 0.16 ± 0.0128 cm M.S. polyurethane with 50-70 shore 'A' hardness and reinforce with M.S insert. The arm rest top is made of ABS & upholstered with foam & leather. Front pivot synchro tilt Mech. The mechanism is 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 positions locking with anti-shock back mechanism, which prevents the backrest from impacting the user when the lock is released. Static seat depth adjustment $= 5.0 \pm 0.5$ cm with position locking. Seat Base Assy: The seat base assy is designed with following features : 360° revolving type without tilt. Pneumatic Height Adjustment: it has an adjustment stroke of 9.0 ± 0.3 cm. Pneumatic Height Adjustment: it has an adjustment stroke of 9.0 ± 0.3 cm. Blow moulded bellow: The below is piece and blow moulded in black polypropylene. Pedestal Assy: The pedestal is made of die-cast Aluminium with buffing finish. It is fitted with 5 nos. Twin wheel castor. The pedestal is 67.0 ± 0.5 cm pitch- centre dia. (77.0 ± 1.0 cm with castors). 9Twin wheel castors: The twin wheel castors are injection moulded in black Nylon., Overall Chair Height ± 15 mm: 1280, Backrest Height ± 15 mm: 950- millimetre, Backrest Width ± 10 mm: 520- millimetre, Seat Height ± 15 mm: 500, Seat Width ± 10 mm: 550, Seat Depth ± 10 mm: 500 millimetre, Chair as approved by engineer incharge- employer.

23. MID BACK CHAIR 2



Seat/ Back Assembly: The seat is made up of 1.2 ± 0.1 cm. thick hot-pressed plywood upholstered with pure leather and moulded polyurethane foam. GSM/Thickness of fabric $\pm 5\%$ (Gram/Square meter): Genuine leather of 0.8-1.0 mm thickness, the back foam is designed with contoured lumber support for extra comfort. The chair should very High back Size: 53.0 cm(W) x95.4cm(H). High resilience (HR)Polyurethane foam: The HR Polyurethane foam is moulded with density $=45 \pm \text{Kg/m}^3$ and Hardness load 16 ± 2 kgf as per IS :7888 for 25% compression. Seat- Back Connecting Spine: the seat back arrested together with spine made of 0.8 ± 0.05 cm thick steel and is black powder- coated (DET 40-60 microns). Armrest Assy: The armrest assy. Comprises of three parts viz. The armrest support tube and P.U. armrest and the armrest top. The armrest tube assy is made of 2.54 ± 0.03 cm x 0.16 ± 0.0128 cm M.S. polyurethane with 50-70 shore 'A' hardness and reinforce with M.S insert. The arm rest top is made of ABS & upholstered with foam & leather. Front pivot synchro tilt Mech. The mechanism is 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 positions locking with anti-shock back mechanism, which prevents the backrest from impacting the user when the lock is released. Static seat depth adjustment= 5.0 ± 0.5 cm with position locking. Seat Base Assy.: The seat base assy is designed with following features: 360°revolving type without tilt. Pneumatic Height Adjustment: it has an adjustment stroke of 9.0 ± 0.3 cm. Pneumatic Height Adjustment: it has an adjustment stroke of 9.0 ± 0.3 cm.Blow moulded bellow: The below is piece and blow moulded in black polypropylene. Pedestal Assy: The pedestal is made of die-cast Aluminium with buffing finish. It is fitted with 5 nos. Twin wheel castor. The pedestal is 67.0 ± 0.5 cm pitch-centre dia. (77.0 ± 1.0 cm with castors).9Twin wheel castors: The twin wheel castors are injection moulded in black Nylon., Overall Chair Height ± 15 mm: 1125, Backrest Height ± 15 mm: 800-millimetre, Backrest Width ± 10 mm: 520-millimetre, Seat Height ± 15 mm: 500, Seat Width ± 10 mm: 550, Seat Depth ± 10 mm: 500 millimetre, Chair as approved by engineer in-charge-employer.

24. Demonstration Chair with Tablet (Demo Room)



Providing and fixing in position multi-Purpose Chairs with Tablet, as per indicative image. Chair should be medium back with cushioned seat assembly, upholstered with moulded polyurethane foam & finished with Grade-A fabric. Back size: (W) 420 - 450 mm (H) 260-280mm; Seat size: (L) 440mm - 480mm (W) 430mm - 470mm with back rest made of polypropylene (Recyclable) or PP frame and polyester mesh with necessary cushioning as shown in the indicative image. Backrest should have flexible mechanism for comfort seating attached to coupling made out of aluminium die cast. Polyurethane Foam: The polyurethane foam (Recyclable) of density = 30 kg/m³ + 2 kg/m³ fixed to moulded plywood and upholstered with grade-A fabric coated with fire retardant paint. Armrests: Integrated adjustable armrest made of PP. The armrest shall be scratch resistant with suitable padding and tablet of size (should be as per manufacturer specification). All connectors should be Die cast polished Aluminium. Tablet (Flap) to be provided made of PP to be finished as desired with foldable mechanism on the right-hand side as shown in the indicative image. The tablet should have the inbuilt feature of cup holder & eraser/sharpener holder. Frame: The Chair to be provided with powder coated (DFT 80-90 MICRONS) tubular frame cantilever type & made of 27mm - 32mm X 15mm - 20mm thick MS powder coated (DFT 80-90 MICRONS) fitted with 4 nos. twin wheel castors. The above chair should be finished / completed as per above mentioned specifications including providing and fixing of other related materials including hardware, etc, with suitable levellers, complete or as directed by the Engineer-in-Charge

25. 3-SEATER WAITING CHAIR



The seat and back to be made up of high-density self-skin 25-30mm thick PU Foam reinforced with 1.8 mm thick MS perforated sheet insert the PU Foam having density of 680+/-10Kg/m³ 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 (±5% Engineering variation in dimension), Cross Beam made from Die-cast Aluminium black powder coated square tube of size 6.0+/- 0.05cm X 6.0+/- 0.05cm X 0.4+/-0.016 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.

26. Workstation for Laboratory Procedures



Providing, supplying, arranging and fixing Island work bench of size 600/750/900mm D X 1500mm Width with storage unit under the worktop. One drawer and one shutter as per requirement. As approved by engineer in-charge/employer

Providing and fixing 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 should 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 should provide more knee space or leg space and should 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 should 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 should also have skirting at back bottom side. The C-frame should be suitable for sitting and standing nominal heights of 750mm & 900mm respectively. The nominal table depths should be 600 mm, 750 mm and 900 mm for wall side and 1500mm, 1800mm for Island tables. The Corner Units should fit

well with 750mm & 900mm table depths. All frame-work is to be pre-treated with superior pure epoxy powder coated finish. Uprights 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. Horizontal Service Boom Horizontal service boom should be made out of 18-gauge CRCA steel panels and should span the length between uprights and should be provided with removable service panels. Electrical and GDS supplies should be supplied through this horizontal service boom. Boom should be supplied with factory fitted combinations of switch & sockets with 15amps standard grade. Reagent Shelf Height adjustable shelves should be provided between uprights which are independent from the floor with 1" of height adjustability. Complete modular design consisting of 2 stage horizontal storage shelves. The ends and intermediate vertical supports should be 2mm thick aluminium extrusion with MS brackets of 2 mm thick. Toughened glass should be put-on over these shelves for taking care of bottle marks/corrosion. Welded Cabinets (Hanging Type) Welded cabinet body should be 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 should be 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 Dimensions: W=300/450/580/600/750/900 mm, D = 530mm, H = 875/725 mm Configurations: 1 Shutter + 1 Drawer/4 Drawers/Leg Spaces/1 Shutter/2 Shutters/3 Drawers/2 Shutters + 1 Drawer/Sink Unit + 2 Shutters MOC: MSCRCA: IS - 513 (1994) Thickness: LH/RH side panels, shutter front, Bottom panel, Top front, Drawer separator, shelf, Alignment channel is of 1.2mm thick. Removable Back panel, Shutter cover, Fr. Rack strip, Top cover panel is of 0.8mmthk 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: SS Hinge Screw: SS 304 Shutter should be of twin-type construction with sound dampening effect using profeel. Shutter cover should be equipped with Bump on for sound dampening. Base Moulding should be made of PVC with corner clips. Ball Slide: 500mm Length (required only for drawer unit). Shutter should have provision of roller catch. WORK TOP GRANITE It should be 20 +/- 2 mm thick, jet black granite with edges having chamfer of 4 x 4 mm on top side. The overhang on the storage cabinet should be 25 mm at the front side and 30 mm at the sides The backing material used for granite should be a neoprene mat of 6 mm thickness SINK (PP SINK) It should be made up of 5 mm thick high density and elastic poly propylene with good resistance to organic solvents PP Bottle-traps should be offered with PP Sinks Standard bowl

size (L x W x D) should be 500 x 400 x 300 mm 1-way/2-way/3-way Faucet should be provided.

27. Visitor chairs with armrest



Supply and installation of visitor chair, the chair leg structure shall be made of MS CRCA powder coated finish 32 mm diameter round tube, the thickness of pipe shall be 2 mm, the under structure frame tubular structure with stability for proper balance, the seat and back is supported on spring structure, the backrest armrest and seat dimensioned and curved from an ergonomics point of view, the frame and spring-seat structure prepared from MIG welding process & powder coated finish with 60 micron, proper high-density rubber bush provided at all four legs, seat & back upholstered with leatherette/fabric, thickness of seat and back shall be 50 mm, Back Size: 46.5 cm. (W) x 60.0 cm. (H), Seat Size: 51.0 cm. (W) x 49.0 cm. (D), seat height 450mm ($\pm$ 5% Engineering Variation), Chair as approved by engineer in-charge-employer.

28. OPEN Steel RACK



Supply and Installation of Slotted Angel Rack (Size: 910mmW x480mmDx 1850 mm H)

Rack with 5 nos. of shelves should be hanging arrangement (adjustable).

Racks shall be manufactured from Slotted M.S angle size 60mmx60mmx 5.0 mm.

Shelves shall be manufactured from 1.6 mm thick CRCA sheet with 40x40x3.0 mm supporting Angels

The rack shall be assembled with G I bolt, nuts and washers.

Slotted angle and M.S sheet shall be made of cold rolled with anti-rust treated and shall be finished with powder coating with 7 tank treatment process on all parts (colour: as per buyer choice).

H/D Rubber bushes shall be provided to the bottom of legs of slotted angle racks. height of bottom shelves from ground is 100 mm. The quality of M.S sheet which is used for racks shall be free from any defects, Undulations, and old paints and surface corrosion, etc, Minimum Load bearing capacity of each shelf is 150 kgs. **Slotted Angel Rack as approved by engineer in-charge/employer.**

29. 4 DRAWER PLU LOCKER



Supply and installation of 4 Door Personal Locker Unit with Supply and Installation of 4 Door Personal Locker Unit (Base) with size of 450mm(W)x480mm(D)x1900mm(H) ($\pm 5\%$ engineering variation) Stiffened pedestal height shall be 75 mm, Number of compartments shall be 4. Stack ability shall have add - on units that can be stacked width wise to form bank of locker shaving common side panel. Non-welded hinges with removable hinge pins should be provided. Locking shall have 10 Lever cam lock with lock lever plus option of hasp arrangement and duplicate key should be provided. Material shall be CRCA Sheet. sheet thickness of body, back, shelves, pedestal and door must be 0.8mm thick. Construction shall be Rigid Knockdown construction; the uniformly distributed load capacity of shelves shall be 40 Kg minimum. Finish shall be epoxy polyester powder coated with 50-60microns thickness. Handle/Label holder shall be Electroplated Mild Steel handle/label. Ventilation shall be attractive punched pattern for ventilation. Locker as **approved by engineering-charge/employer**.

30. CABIN TABLE-2



Supply and Installation of Table size shall be 1800mmL x 750mmW x 750mmH ($\pm 5\%$ Engineering Variation). Table top shall be 25 mm (± 1 mm) thick Pre-laminated MDF Board conforming to Grade SBG II of IS 12406/2003 with laminated both side 1 mm thick laminate, E1 grade laminate with zero urea formaldehyde emissions (≤ 8 mg/100 g oven dry board-perforated method) for better in-house quality. This should comply with (EN 120-1992). The modesty panel shall be 18 mm (± 1 mm) thick MDF Board with laminated both side 1 mm thick laminate. All Exposed edges of pre-laminated MDF board to be sealed with 2mm thick PVC edge banding and 0.8mm thick PVC edge-banding tape pressed at 200°C to be applied on non-exposed edges 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.

ERU - LHS size shall be 1050mmWidth x 450mmDepth x 740mm Height ($\pm 5\%$ Engineering Variation). The top shall be 25 mm (± 1 mm) thick Pre-laminated MDF Board conforming to Grade SBG II of IS 12406/2003 with laminated both side 1 mm thick laminate. Flat Edge duly sealed with 2 mm thick PVC beading. The Modesty shall be 18 mm (± 1 mm) thick MDF Board with laminated both side 1 mm thick laminate. Edge sealed with 2 mm thick PVC Banding.

Back Unit size shall be 1800mmWidth x 450mmDepth x 750mmHeight ($\pm 5\%$ Engineering Variation). Top shall be 25 mm (± 1 mm) thick Pre-laminated MDF Board conforming to Grade SBG II of IS 12406/2003 with laminated both side 1 mm thick laminate. Flat Edge duly sealed with 2 mm thick PVC banding. The Modesty shall be 18 mm thick MDF Board as per IS 14587: 1998 (E-1 Grade) with laminated both side 1 mm thick laminate. Edge sealed with 2 mm thick PVC Banding.

Mobile pedestal Unit: 3 drawer (2 drawer & 1 filing Cabinet) Mobiles Metal pedestal of overall dimensions internal and external dimensions 380-430 mm (W) x 430-480 mm (D) x 600-620 mm (H) ($\pm 5\%$ Engineering Variation). Mobile pedestal body should be made of CRCA of thickness 0.8 mm duly powder coated with 70-80 micron. Each pedestal should be provided with pencil tray drawer size: 120 mm (H) x 380 mm (W). Filing cabinet size; 350 mm (H) x 380 mm (W) ($\pm 5\%$ Engineering Variation). pedestal should have 4 Nos castor fitted to it All the pedestal drawers are centrally locked with a single key. All Hardware Make: Hettich (Handles, Slides, Hinges, Drawer Channel), MDF Board and Laminate Make: (Century/Action Tesa/Merino/Greenlam) Table as approved by engineer in-charge/employer.

Budgetary Estimate					
Name of Work: Supply, installation, testing and comissioning of furniture for Nursing Student Hostel, PG-1 Hostel, Mortuary Block, Dining Block-1 and Dining Block-2 at AIIMS, Rajkot					
Name of Agency					
S. No.	Name of Items	Unit	Quantity	Rates per unit, inclusive of all applicable taxes and duties, along with a warranty period of three (03) years	Amount (In Rs.)
1	Wooden Wardrobe	Sqmt	981.8		0
2	Single Bed With Box	Each	447		0
3	Single Bed Mattress	Each	447		0
4	Open Over head storage	Each	446		0
5	Study Table	Each	447		0
6	Chair For Study Table	Each	447		0
7	Stainless steel Dustbin	Each	457		0
8	Bed Side Table	Each	2		0
9	Double Bed with Box	Each	1		0
10	Double Bed Mattress	Each	1		0
11	TV Unit	Each	1		0
12	Main Table with side unit	Each	2		0
13	High Back Chair	Each	2		0
14	Mid Back Chair	Each	15		0
15	Two Seater Sofa	Each	7		0
16	Center Table	Each	6		0
17	Almirah With Glass Shutter	Each	12		0
18	4 Seater Dining Table	Each	2		0
19	6 Seater Dining Table	Each	153		0
20	Dining Chair	Each	902		0
21	WORK Table	Each	7		0

Budgetary Estimate					
Name of Work: Supply, installation, testing and comissioning of furniture for Nursing Student Hostel, PG-1 Hostel, Mortuary Block, Dining Block-1 and Dining Block-2 at AIIMS, Rajkot					
Name of Agency					
S. No.	Name of Items	Unit	Quantity	Rates per unit, inclusive of all applicable taxes and duties, along with a warranty period of three (03) years	Amount (In Rs.)
22	High Back Chair-2	Each	4		0
23	Mid Back Chair-2	Each	8		0
24	Demnostration Chair with Tablet	Each	50		0
25	3 Seater Waiting Chair	Each	4		0
26	Workstation for Laboratory	Each	2		0
27	Visitor Chair with armrest	Each	10		0
28	Open Steel Rack	Each	10		0
29	4 drawer Personal Locker	Each	4		0
30	CABIN TABLE-2	Each	4		0
	Total Amount in Rs.				