Request For Budgetary Estimate of furniture work for Boys Hostel, Girls Hostel, Boys Hostel Interns, Girls Hostel interns and Nurse Hostel for Government Medical College & Hospital, Jalgaon, Maharashtra

Ref.: HSCC/GMC-JALGAON/Hostel-Furniture/2024, Date: 06/05/2024

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 Boys Hostel, Girls Hostel, Boys Hostel Interns, Girls Hostel interns and Nurse Hostel for 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 10 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: rks_115@yahoo.co.in, l_singh@hsccltd.co.in

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

Technical specification for Boys Hostel, Girls Hostel, Boys Hostel Interns, Girls Hostel interns and Nurse Hostel for Government Medical College & Hospital, Jalgaon, Maharashtra.

1. Single bed with Box

Providing and placing of single wooden Bed size: 900mm Height, 990mm width, 2060 mm length (± 5% Engineering Variation), Single Bed Support structure with leg made up of M.S. Pipe 75mmx35mmx2 mm thickness duly powder coated through seven tank process of Powder Coating with thickness of 50 microns. The single Bed box all four sides (Head board, Tail Board) and bottom panel is made of 18 mm thick ISI marked Commercial plywood (Moisture Resistant grade plywood) faced with 1.0 mm thick laminate on both sides of approved shade, Mattress panels of Bed are made of 18 mm thick ISI marked Commercial plywood (Moisture Resistant grade plywood) faced with 1.0 mm thick laminate on both sides of approved shade. The height of box shall be 380mm. Height of Head board: 780 mm, Width of Head board: 990mm and Height of foot board: 450 mm and Width of Foot Board: 990 mm, All Exposed edges of Ply board to be sealed with 2mm thick PVC edge band and 0.8mm thick PVC edge-banding tape to be applied on Non-exposed edges pressed at 200o C 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. All Wooden panel are stained to pass 4H test of scratch resistivity, Metal frame are powder coated in shade of Mat Black to the thickness of 50 microns (± 5%). 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 (Ply and Laminate Make: Century/Action Tesa/Greeen ply/ or equivalent or as approved by engineer incharge/employer) The single bed with box should be complete as per sample approved & as per direction of Engineer-in-charge/employer.

2. Single Bed Mattress

Supply and installation of Foam/Rubberised Coir mattress as per size of single bed, Thickness of Mattress is 125mm, Number of Layers : Two Layers, Thickness of Core Layer 1 (±2 mm) :100 mm, Thickness of Top Layer (±2 mm) 25 mm, Material of Core Layer 1 : PU Bonded Foam, Quilting: Both Side Quilting (Double Sided), Quilting Material: PU Foam, Density of Quilting Material (± 2 Kg/m3): 18 Kg/m3, Thickness of Quilting (±2 mm): 14 mm, Core Layer 1 Density: 80 Kg/m3, Top Layer Density: 28 Kg/m3, Compression Set for PU Foam (non quilting) as per IS 7888 1976 (Max): 10 %, Resistance to Ageing for PU Foam : Shall meet the requirement of IS 7933 Latest, Resistance to Ageing for Rubberised Coir Foam: Shall meet the requirement of IS 8391 Latest, Durability Test for PU Foam as per: IS 7933 Latest, Resistance to Flexing for Rubberised Coir Foam: Shall meet the requirement of IS 8391 Latest, Durability Test for Complete Mattress: loss of height not more than 13 mm (as per ASTM 1566), Brand of Mattress: sleep well/kurlon/ or equivalent or as approved by approved by engineer in-charge/employer.

3. Bedside table

Supply and Installation of Bed Side table with one lockable drawer and one open shelf, Overall Size of bed side table: Depth - 450 mm, Width: 440 mm, Height: 510 mm, Material : Body and drawer panels of Bed side table are made of 18 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 of Ply board to be sealed with 1 mm thick PVC edge band and 0.8mm thick PVC edge-banding tape to be applied on Non-exposed edges pressed at 200o C 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. All Wooden panel are stained to pass 4H test of scratch resistivity. All Hardware: The high-quality hardware used like, Drawer Handel, Roller slides, Hinges, mini-fix, dowels, locks, screw etc is make of Hettich/Ebco or equivalent or as approved by engineer in-charge/employer, Ply board and Laminate Make: Century Ply/Action Tesa/Greenply or equivalent or as approved by engineer in-charge/employer.

4. Study Table

Supply and Installation of Study Table with Size: 900mm(W)X600mm(D)X750mm(H). Table TOP & Gable End is made of 25 mm thick ISI marked Commercial plywood (Moisture Resistant grade plywood) faced with 1.0 mm thick laminate on both sides of approved shade, Modesty panel, Vertical, Drawer is made of 18 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 sealed with 2mm thick PVC edge-band of REHAU make and 0.8mm thick PVC edge-banding tape to be applied on Non-exposed edges pressed at 200o C 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. All Wooden panel are stained to pass 4H test of scratch resistivity. Bottom Mounted slide used for Drawer. 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 (Ply and

Laminate Make: Century/Action Tesa/Greeen ply/ or equivalent or as approved by engineer in-charge/employer)

5. Study Chair

Supply Installation of Study chair, under structure Frame: - MS ERW oval tube with 32 mm diameter with wall thickness of 2.0 mm in Nickel chrome plated finish and provided with a base plate for seat fixing. Seat: - The Seat shall be moulded with 12mm thick ISI marked hot-pressed commercial plywood upholstered with black colour Leatherette upholstery covers and moulded Polyurethane foam, The High Resilience polyurethane foam shall be moulded with density= 45±2 kg per meter cube and hardness load 16 ± 2 kgf as. per IS:7888 for 25% compression. The dimensions of seat shall be 51.0cm(W) x 48.0cm(D) (± 10% Engineering Variation). Thickness of seat foam shall be 60 mm.
Back: - The back shall be moulded with 12mm thick ISI marked hot-pressed commercial plywood upholstered with black colour Leatherette upholstery covers and moulded Polyurethane foam, The HR polyurethane foam shall be moulded with density= 45±2 kg per meter cube load 16 ± 2 kgf as. per IS:7888 for 25% compression. The Back size shall be 45cm W x 60.5cm H, The armrests top is moulded from PU and tubular armrest support made of 3.2 cm diameter x 0.2 cm thick MS ERW tube with Nickel chrome plated finish, Thickness of foam shall be 50 mm, Over all dimensions of study Chair: Height from ground 92.5cm. Seat height- 45.0 cm. Dimensions tolerance/variations shall be within +/- 1 cm, **Study Chair as approved by engineer in-charge/employer.**

6. Wooden Cupboard

Supply and Installation of Wooden cupboard with size; 916mm Widthx486mm Depth x 1981 Height (±5 % engineering variation), Body panels/side panel and Doors are made of 18 mm thick ISI marked Commercial plywood (Moisture Resistant grade plywood) faced with 1.0 mm thick laminate on both sides of approved shade with 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. Body back panel shall be made of 12 mm thick ISI marked Commercial plywood (Moisture Resistant grade plywood) faced with 1.0 mm thick laminate on both sides of approved shade with all exposed edges sealed with 2mm PVC edge banding tape and all unexposed edges sealed with 0.8mm edge banding tape. 4 Nos. shelf shall be provided and load bearing capacity of each shelf shall be 80 kg. Lock: 3 way cam lock shall be provided in main door, Hardware: The high-quality hardware used like Roller slides, Hinges, mini fix, wooden dowels is of make Hettich/EBCO or equivalent. Commercial plywood Board and Laminate Make: (Century/Action Tesa/Merino/Greenlam or equivalent or as approved by engineer in-charge/employer).. Wooden wardrobe as approved by engineer in-charge/employer.

7. Warden Table

Supply and installation of Table size: 1500mmLX750mmWx750mmH, Primary Work Surface Made of 25mm thick pre-laminate MDF board confirming to IS-14587:1998 with Soft closing access flap with in-build power box are provided on work surface for wire management.
Secondary Work Surface Made of 25mm thick pre-laminate MDF board confirming to IS-14587:1998.
Modesty Panel Made of 25mm thick pre-laminate MDF board confirming to IS-14587:1998.
Under structure Made of 25mm thick pre-laminate MDF board with approved shade confirming to IS-14587:1998, 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.

ERU-LHS size shall be 900mmWidth x 450mmDepth x 740mm Height (± 10% Engineering Variation). The top shall be 25 mm thick Pre-laminated MDF Board conforming to Grade SBG II of IS-14587:1998. Flat Edge duly sealed with 2 mm thick PVC beading. The Modesty shall be 18 mm thick Pre laminated MDF Board with laminated both side 1 mm thick laminate. Edge sealed with 2 mm thick PVC Banding.
Integrated Pedestal Made of 25mm Thick Pre-laminated MDF board with approved shade confirming to IS-14587:1998, Edge banded with matching 2 mm thick PVC lipping. Drawer fronts made of 25mm thick MDF one side pre-laminate board confirming to IS-14587:1998.

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 fascias 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, screw etc) Hettich/Ebco/or equivalent. Pre laminated MDF Board and Laminate Make: (Century/Action Tesa/Merino/Greenlam or as approved by engineer in-charge/employer). table **As approved by engineer in-charge/employer.**

8. Warden Main chair

The cushioned seat assembly shall consist of seat outer (material-30% glass fibre nylon) and upholstered seat inner(material-polypropylene) with moulded polyurethane foam and polyester fabric. the net back should made up of back outer (material-glass fibre filled nylon) and back inner(material-PP) and upholstered using polyester mesh fabric with high tenacity yarn. Size of back shall be (W)-46.5cm, (H)-60.0cm & size of seat shall be (W)-51.0cm x (D)-49.0cm. The support spine should made up of high pressure die cast polished aluminium. Armrest is having two adjustments, Height (6+/-0.5cm) and depth(6+/-0.5cm). Height adjustment shall be provided in aluminium structure of armrest which is connected to aluminium back spine and is operated with button. Arm top is made up of PU moulded over plastic inner. The mechanism shall be Active Bio Synchro Mechanism. The mechanism of chair shall have

following features:360-degree revolving type, Seat/Back tilt ratio of 1:2, Active Bio-Synchro mechanism, 5 position tilt limiter giving option of variable tilt angle to the chair. Front-Pivot for tilt with feet resting on ground and continuous lumber support should ensure more comfort. The mechanism housing should made up of HPDC Aluminium and black powder coated. The chair shall be provided with pneumatic height adjustment which shall have stroke of 10.0 +/- 0.3 cm. The pedestal shall be made of die-cast polished aluminium. it shall be fitted with 5 nos twin wheel castor. The size of the pedestal shall be 65.0 +/- 0.5 cm pitch-centre-dia (75.0 +/- 1.0 cm with castors). The twin wheel castors shall be injection moulded in black polypropylene. The lumbar support assembly should consist of lumber spine (material-glass fibre filled nylon) which is fixed to Aluminium back spine. The neck rest assembly consists of upholstered neck rest inner (material-poly propylene) with moulded polyurethane foam and polyester fabric. upholstered inner shall be fixed to neck rest cover. neck rest shall be fixed to back assembly through neck rest spline. Overall dimensions of Chair shall be, Width of Chair-75.0cm, Depth of Chair - 75.0 cm as measured from pedestal below. Height from ground - min 109.3 to max 124.4 cm. Seat height - min 45.5cm to max 55.5cm. Dimensions tolerance / variations shall be within +/- 1 cm. Chair as approved by engineer in-charge/employer.

9. Warden Visitor chair

The cushioned seat assembly shall consist of seat outer (material-30% glass fibre nylon) and upholstered seat inner(material-polypropylene) with moulded polyurethane foam and polyester fabric. the net back should made up of back outer (material-glass fibre filled nylon) and back inner(material-PP) and upholstered using polyester mesh fabric with high

tenacity yarn. Size of back shall be (W)-46.5cm, (H)-60.0cm & size of seat shall be (W)-51.0cm x (D)-49.0cm. The support spine should made up of high pressure die cast polished aluminium. Armrest is having two adjustments, Height(6+/-0.5cm) and depth(6+/-0.5cm). Height adjustment shall be provided in aluminium structure of armrest which is connected to aluminium back spine and is operated with button. Arm top is made up of PU moulded over plastic inner. The mechanism shall be Active Bio Synchro Mechanism. The mechanism of chair shall have following features:360-degree revolving type, Seat/Back tilt ratio of 1:2, Active Bio-Synchro mechanism, 5 position tilt limiter giving option of variable tilt angle to the chair. Front-Pivot for tilt with feet resting on ground and continuous lumber support should ensure more comfort. The mechanism housing should made up of HPDC Aluminium and black powder coated. The chair shall be provided with pneumatic height adjustment which shall have stroke of 10.0 +/- 0.3 cm. The pedestal shall be made of die-cast polished aluminium. it shall be fitted with 5 nos. twin wheel castor. The size of the pedestal shall be 65.0 +/- 0.5 cm pitch-centre-dia (75.0 +/- 1.0 cm with castors). The twin wheel castors shall be injection moulded in black polypropylene. The lumbar support assembly should consist of lumber spine (material-glass fibre filled nylon) which is fixed to Aluminium back spine. Overall dimensions of Chair shall be, Width of Chair - 70.5cm, Depth of Chair - 70.5 cm as measured from pedestal below. Height from ground - 99 cm. Seat height - 49 cm. Dimensions tolerance / variations shall be within +/- 1 cm. Chair as approved by engineer in-charge/employer.

10. 3 seater Sofa for Common Room

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) 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) 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.

11. **2-Seater Sofa** for Common Room

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.

12. Single seater Sofa for Common Room

Supply and Installation of single-Seater sofa, SEAT FOAM : The seat is made up of PU foam in Density 28 ±2 kg/cu. Mtr. with an additional top layer of super soft PU foam in Density 32 ± 2 kg/cu, upholstered with fabric or leatherette.
2) BACK FOAM : The back is made up of PU foam in Density 28 ± 2 kg/cu. meter with two additional top layer of super soft foam of density 32±2 kg/cu. meter, upholstered with fabric or leatherette.
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 sections devoid of major knots & surface defects. 6 nos. per seat & 3.8mm Diameter 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. Size : Width (W): 910mm, Depth (D): 905 mm, Height (H): 855 mm Seat Height (SH): 450mm. 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.

13. CENTER TABLE

Supply and installation of centre table of size: 1200mmW X600mmD X400mmH, top made of 32 mm thick Kit Ply Board with both side 1 mm thick laminate veneer with PU finish having scratch resistance of 2H, E1 grade laminate with zero urea formaldehyde emissions (<or= 8mg/100 g oven dry board-perforated method) for better in-house quality. This should comply with (EN 120-1992) with all exposed edges sealed with 2mm thick PVC edge banding tape and unexposed edges sealed with 0.8 mm thick PVC 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, Center Table: as approved by Engineer In-Charge/employer.

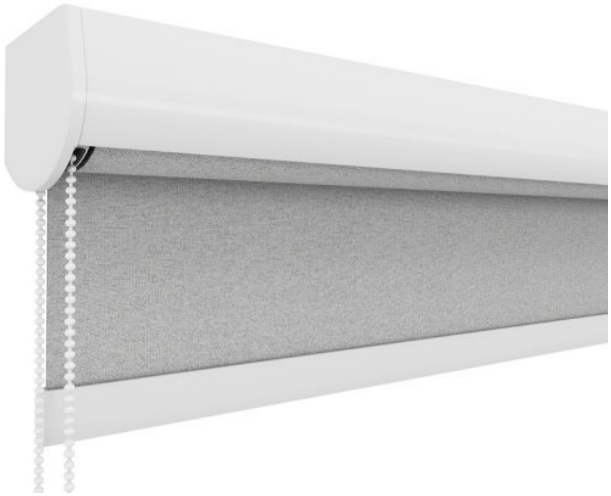
14. Corner Table

Supply and installation of corner table of size: 500mmW X500mmD X400mmH, top made of 32 mm thick Kit Ply Board with both side 1 mm thick laminate veneer with PU finish having scratch resistance of 2H, E1 grade laminate with zero urea formaldehyde emissions (<or= 8mg/100 g oven dry board-perforated method) for better in-house quality. This should comply with (EN 120-1992) with all exposed edges sealed with 2mm thick PVC edge banding tape and unexposed edges sealed with 0.8 mm thick PVC 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, side Table: as approved by Engineer In-Charge/employer.

15. Stainless steel dustbin

Supply and Installation of Stainless-steel Dustbin with Lid and Handel- 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.

16. Roller Blind curtain



Providing & fixing up of Window curtain (Roller blind) 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 (±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 centre roller tube. Idler is of high strength reinforced plastic, consisting of an outside sleeve and 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 ±1.2mm (±0.1) and width of 26.5mm(±1mm) and height of 33.5mm(±1mm) and weight: 380gm/meter (±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/mtr, Thickness: 1mm (±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 AA6063alloy having Rod I/D: 10.8mm, O/D:14.8mm, Weight: 219gm/mtr, Thickness: 1mm (±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 block out sunlight, for complete privacy, room darkening and temperature regulation (0% light transmission).
The fabric colour 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.**

BUGETARY QUOTATION

Supply, Installation testing and commissioning of furniture work for Boys Hostel, Girls Hostel, Boys Hostel Interns, Girls Hostel interns and Nurse Hostel for Government Medical College & Hospital, Jalgaon, Maharashtra

Reference No.	**HSCC/GMC-JALGAON/Hostel-Furniture/2024**
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	Single bed with Box	Each	786		
2	Single Bed Mattress	Each	786		
3	Bedside table	Each	786		
4	Study Table	Each	786		
5	Study Chair	Each	786		
6	Wooden Cupboard	Each	786		
7	Warden Table	Each	7		
8	Warden Main Chair	Each	7		
9	Warden Visitor Chair	Each	14		
10	3 seater Sofa for Common Room	Each	28		
11	2 Seater Sofa for Common Room	Each	12		
12	Single seater Sofa for Common Room	Each	12		
13	Center Table	Each	24		
14	Corner Table	Each	54		
15	Stainless steel dustbin	Each	786		
16	Roller Blind curtain	Sqmt	1572		