

Request For Budgetary Estimate of Furniture Work for Service Block, AIIMS-New Delhi

HSCC/AIIMS New Delhi/Service Block/Furniture/2026

Date: 12/06/2026

Subject: Invitation of Budgetary Estimate for Supply, Installation, Testing & Commissioning of Office Furniture for Service Block at AIIMS, New Delhi.

HSCC (India) Ltd. intends to obtain budgetary estimates from eligible manufacturers/authorized dealers/agencies for the Supply, Installation, Testing and Commissioning of Office Furniture for the Service Block at AIIMS, New Delhi.

The detailed Technical Specifications and Bill of Quantities (BOQ) for the proposed furniture items are enclosed herewith for reference.

Scope of Work

The scope shall include:

- Supply of furniture items as per enclosed technical specifications and BOQ.
- Transportation, loading, unloading and delivery at consignee location.
- Installation, testing and commissioning of all furniture items.
- Any accessories, fittings and hardware required for complete installation.
- Defect liability/warranty support for a minimum period of Three (03) Years.

Submission Requirements

Interested bidders are requested to submit their budgetary quotation strictly in accordance with the enclosed BOQ format. The quotation shall:

1. Be submitted on the bidder's official letterhead.
2. Be duly signed and stamped by the authorized signatory.
3. Include unit rates and total prices for all items.
4. Include all applicable taxes, duties, freight, insurance, loading/unloading, installation charges and any other incidental expenses.
5. Clearly indicate the warranty period of three years.

Submission of Budgetary Estimate:

The budgetary estimate shall be submitted through email within Fifteen (15) days from the date of issuance of this Notice.

Procurement Department

HSCC (India) Ltd.

E-6(A), Sector-1

Noida, Uttar Pradesh – 201301

Soft Copy Submission:

Email: ak_nema@hsccltd.co.in

Email: l_singh@hsccltd.co.in

Procurement Department,
HSCC (India) Ltd.

Note: This invitation is being issued solely for the purpose of obtaining budgetary estimates and market price assessment. Submission of a budgetary estimate shall not constitute any commitment on the part of HSCC (India) Ltd. to place an order or award any contract.

HSCC (India) Ltd. reserves the right to accept or reject any or all budgetary estimates without assigning any reason thereof.

Technical Specification of Furniture Work for Service Block, AIIMS- New Delhi.**(All images are indicative only)****1. Rack for Museum**

Supplying and installation of Slotted Angle Rack (open type) complete in all respects as per specifications and directions of the Engineer-in-Charge/Employer. The rack shall be of overall size 910 mm (W) × 480 mm (D) × 2100 mm (H) with five numbers of adjustable hanging shelves arranged in slotted angle system, allowing height adjustment as per storage requirements.

The main structural framework shall be fabricated from slotted mild steel angle sections of size 60 mm × 60 mm × 5.0 mm, manufactured from cold rolled steel of approved quality. The shelves shall be fabricated from 1.6 mm thick CRCA steel sheets, reinforced with 40 mm × 40 mm × 3.0 mm supporting MS angle frames to ensure rigidity and uniform load distribution. The complete rack shall be assembled using galvanized iron bolts, nuts and washers of approved quality to ensure strong and stable construction.

All MS components shall be properly anti-rust treated using 7-tank surface pre-treatment process and finished with high-quality powder coating of approved shade as selected by the Engineer-in-Charge/Employer. The coating shall provide uniform finish, corrosion resistance and durability under normal usage conditions. The MS sheets and structural members shall be free from defects such as bends, undulations, corrosion, scale, old paint or surface irregularities.

The rack shall be designed to withstand a minimum uniformly distributed load of 150 kg per shelf without deformation, bending or instability. The bottom of all legs shall be provided with heavy-duty rubber bushes/foot pads to prevent floor damage, reduce noise and ensure stability. The height of the bottom shelf from finished floor level shall be maintained at 100 mm.

The complete system shall be rigid, stable and suitable for storage applications in institutional/industrial environments. as approved by the Engineer-in-Charge/Employer.

2. Staff work station (1500mmW1 x 1500mm W2x1200mm Height 600mm Depth) (with 3 drawer & lock)



Supply and installation of work station as per technical specification. work station size (1500mmW1 x 1500mm W2x1200mm Height 600mm Depth) 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. Telephone and Electric fitting materials for each work station:- Plate and frame 8M & 2M, 16 Amp switch 1M, 6A-3Pin socket, 6/16A Socket, Blanking plate 1M, RJ-45 CAT 6UTP, RJ-11 Telephone and wire 3x2.5 mm Square, Makes for copper wire: Havells/Poly cab/RR Cable or as approved by engineer in-charge/employer, Make for Modular switches and Sockets outlet: Legrand-Myrius or anti-bacterial/ABB (Tvisha)/ Panasonic/Schneider-Livia/Philips-sleek or as approved by engineer in-charge/employer, All electric/telephone fitting with materials shall be carried out by the supplier for each work station as per client requirement. 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 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).

3. Work station Chair



Providing and Placing High Back Chair with overall size of 76.1 cm W x 76.1 cm D x 96.5 – 114 cm H x 43.1 – 53.1 cm Seat Height. The seat is cushioned seat made of injection moulded plastic outer & inner. Plastic inner 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 $47.7 \text{ W cm} \times 76.4 \text{ D cm}$. 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 molded in plastic having $6.0 \pm 0.1 \text{ cm}$ wheel diameter and assembled to pedestal. the OEM must hold a valid BIS certification/license for the chair. A copy of the valid BIS certificate/license shall be furnished along with the bid.

4. Staff Locker for Change Room



Supply and Installation of 4 Door Personal Locker Unit (Base) with size of $450 \text{ mm (W)} \times 480 \text{ mm (D)} \times 1900 \text{ mm (H)}$ ($\pm 5 \%$) 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. Or as approved by engineering-charge/employer.

5. Office Table (1200mm)



Supply and installation of table as per technical specification. Work table size: 1200mm Width x 600mm Depth x 750mm Height, 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 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.

Mobile Pedestal Drawer Unit: Each Table should be provided with 3 drawer Wooden Mobile Pedestal having of 2 sliding Drawer and 1 file 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 $\pm 2\text{ mm}$: 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). the OEM must hold a valid BIS certification/license for the table and desk, A copy of the valid BIS certificate/license shall be furnished along with the bid, **Table as approved by engineer in-charge/employer.**

6. Office chair



Providing and Placing High Back Chair with overall size of 76.1 cm W x 76.1 cm D x 96.5 – 114 cm H x 43.1 – 53.1 cm Seat Height. The seat is cushioned seat made of injection moulded plastic outer & inner. Plastic inner 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 in situ 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. 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 $7.42 \pm 0.5 \text{ cm}$ 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. the OEM must hold a valid BIS certification/license for the chair. A copy of the valid BIS certificate/license shall be furnished along with the bid.

7. Office visitor chair



Supply and installation of visitor Chair, with overall size of 609mmW x 642mmD x 982mm H, Seat Height: 448mm. The seat is cushioned seat made of injection moulded plastic outer & inner. Plastic inner 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 470mmW x 480mmD. 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 477mmW x 764mmD. The tubular frame is cantilever type and made of $2.54 \pm 0.03 \text{ cm} \times 0.2 \pm 0.016 \text{ cm}$ thick Stainless Steel 202 grade tube. The back connected to frame through chrome plated high pressure die casted connector pipe. the OEM must hold a valid BIS certification/license for the chair. A copy of the valid BIS certificate/license shall be furnished along with the bid. **chair as approved by engineer in-charge/employer.**

8. Staff Room Office Table (1800mm)



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 with top made of 36mm thick, MDF board as per IS 12406 faced with 1.0 mm thick laminate on both sides of approved shade. E-1 grade laminate with zero urea formaldehyde emissions ($\leq 8 \text{ mg/100 g}$ oven dry

board-perforated method) for better in-house quality. This should comply with (EN 120-1992). 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.

The Gabel and Modesty panel is made of 25 mm MDF board as per IS 12406 faced with 1.0 mm thick laminate on both sides of approved shade. E-1 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). 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. 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 480mmD X 750mmH: The Side unit top is made up of 25mm thick MDF board as per IS 12406 faced with 1.0 mm thick laminate on both sides of approved shade. E-1 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). 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. 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), the OEM must hold a valid BIS certification/license for the table. A copy of the valid BIS certificate/license shall be furnished along with the bid. Table to be complete as per approved sample or as per direction of Engineer-in-charge/employer.

9. Office Chair-2 Staff Room.



Supply and Installation of High back chair, The seat shall be made up of 1.2 +/- 0.1 cm thick hot pressed moulded reconstituted wood & upholstered with leather and moulded polyurethane foam. Size of back shall be (W)-46.0cm, (H)-57.0cm & size of seat shall be (W)-49.0cm x (D)-49.5cm. High Resilience (HR) foam should be used in making seat & back which shall be moulded with density $45 \pm 2 \text{ kg/m}^3$ and hardness load $16 \pm 2 \text{ kgf}$ as per IS: 7888 for 25% compression. The back rest should be connected to the mechanism with a drop-lift mechanism which can be adjusted in the range of $7.0 \pm 0.5 \text{ cm}$ for the comfortable back support to suitable individual need. Armrests should be pressure die casted in polished aluminium with PP arm tops. The mechanism of chair shall have following features: 360-degree revolving type, Seat/Back tilt ratio of 1:3, Synchronized tilt, Back tilt with 4 position locking and Side tilt tension adjustment knob should be operated while taking back support for better adjustment of comfort. The chair shall be provided with pneumatic height adjustment which shall have stroke of $10.0 \pm 0.3 \text{ cm}$. The pedestal shall be made of die-cast polished aluminium. it shall be fitted with 5 nos. twin wheel castor. The size of head rest shall be (W)26.0cm x 12.0cm(L). The size of the pedestal shall be $65.0 \pm 0.5 \text{ cm}$ pitch-centre-diameter ($75.0 \pm 1.0 \text{ cm}$ with castors). The twin wheel castors shall be injection moulded in black polypropylene. 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 113.5 to max 138.0 cms. Seat height - min 41.0cm to max 51.0 cm. Dimensions tolerance / variations shall be within +/- 1 cm. the OEM must hold a valid BIS certification/license for the chair. A copy of the valid BIS certificate/license shall be furnished along with the bid. Chair as approved by engineer in-charge/employer.

10. Three-Seater Sofa



Supply and Installation of Three-Seater Sofa, the sofa frame is made from Pinewood Frame that undergoes multi-step treatment for protection against termites and bugs. Back rest of the sofa is designed ergonomically to provide an additional lumbar support to keep back in its perfect position. The extended angular head cushion provides adequate headrest and enables correct body posture for long seated hours.

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 synthetic leather .
Seat Cushion Thickness ± 3 (mm): 150mm

- 2) **BACKFOAM:** 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 .metre ,upholstered with synthetic leather. 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 nosper seat & 3.8 mm Dia zigzag spring assembly is mounted over under structure for cushioning purpose.

4 **(LEG ASSEMBLY :** made of solid wood/teak wood, size of sofa; (W) 2060 mm (D) 950 mm(H) 860 mm, seat (H) 450 mm, Sofa Leg Height ± 2 (mm): 150 mm, Sofa Leg Width / Diameter ± 2 (mm): 60 mm, Arm Height ± 5 (mm): 710mm, Arm Width ± 5 (mm): 150mm, Sofa: as approved by Engineer In Charge/employer.

11. 2-Seater Sofa



Supply and Installation of Three-Seater Sofa, the sofa frame is made from Pinewood Frame that undergoes multi-step treatment for protection against termites and bugs. Back rest of the sofa is designed ergonomically to provide an additional lumbar support to keep back in its perfect position. The extended angular head cushion provides adequate headrest and enables correct body posture for long seated hours.

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 synthetic leather .
Seat Cushion Thickness ± 3 (mm): 150mm

- 2) **BACKFOAM:** 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. metre ,upholstered with synthetic leather. 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 crosssection 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 :** made of solid wood/teak wood, size of sofa; (W) 1350 mm (D) 950 mm(H) :mm, seat (H) 450 mm, Sofa Leg Height ± 2 (mm): 150 mm, Sofa Leg Width / Diameter ± 2 (mm) 860 . ,mm, Arm Height ± 5 (mm): 710mm, Arm Width ± 5 (mm): 150mm 60 Sofa: as approved by Engineer In Charge/employer.

12. Centre Table



Supplying and installation of approved centre table. The centre table shall be of overall size 1200 mm (W) × 600 mm (D) × 400 mm (H). The table top shall be fabricated from 32 mm thick plywood board of approved make, finished on both sides with 1 mm thick laminate veneer and provided with PU finish having scratch resistance of minimum 2H hardness to ensure durability and aesthetic appearance.

The engineered wood material used shall be of E1 grade low-emission board with zero urea formaldehyde emission complying with ≤ 8 mg/100 g oven dry board (perforated method), ensuring better indoor air quality and environmental compliance. The material shall conform to EN 120:1992 standards.

All exposed edges of the table top shall be sealed with 2 mm thick PVC edge banding tape, while all unexposed edges shall be sealed with 0.8 mm thick PVC edge banding tape using hot melt adhesive applied through automated edge banding machines at controlled temperature of approximately 200°C to ensure strong bonding, moisture resistance and long-term durability.

The under structure, frame and legs of the centre table shall be fabricated from Stainless Steel 304 square pipes of size 55 mm × 55 mm with 1.6 mm thickness. The stainless-steel members shall be properly welded, ground and finished to a smooth surface ensuring structural stability, corrosion resistance and aesthetic finish. The framework shall be designed to provide adequate strength and stability under normal usage without wobbling or deformation.

The complete centre table shall be rigid, levelled and well-finished with all joints properly aligned. The item shall include all materials, labour, fabrication, polishing/laminate finishing, transportation, handling, installation and all incidental works complete in all respects as approved by the Engineer-in-charge.

13. Corner Table



Supplying and installation of approved corner table. The corner table shall be of overall size 1200 mm (W) × 600 mm (D) × 400 mm (H). The table top shall be fabricated from 32 mm thick plywood board of approved make, finished on both sides with 1 mm thick laminate veneer and provided with PU finish having scratch resistance of minimum 2H hardness to ensure durability and aesthetic appearance.

The engineered wood material used shall be of E1 grade low-emission board with zero urea formaldehyde emission complying with ≤ 8 mg/100 g oven dry board (perforated method), ensuring better indoor air quality and environmental compliance. The material shall conform to EN 120:1992 standards.

All exposed edges of the table top shall be sealed with 2 mm thick PVC edge banding tape, while all unexposed edges shall be sealed with 0.8 mm thick PVC edge banding tape using hot melt adhesive applied through automated edge banding machines at controlled temperature of approximately 200°C to ensure strong bonding, moisture resistance and long-term durability.

The under structure, frame and legs of the corner table shall be fabricated from Stainless Steel 304 square pipes of size 55 mm × 55 mm with 1.6 mm thickness. The stainless-steel members shall be properly welded, ground and finished to a smooth surface ensuring structural stability, corrosion resistance and aesthetic finish. The framework shall be designed to provide adequate strength and stability under normal usage without wobbling or deformation.

The complete centre table shall be rigid, levelled and well-finished with all joints properly aligned. Table as approved by the Engineer-in-charge.

14. Steel Almirah for Store Room.



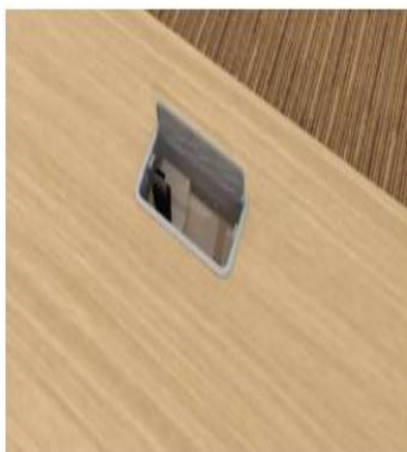
Providing and placing of Steel Almirah overall size: 916mm(W)x486mm(D)x1980mm(H) with welded construction. Almirah shall be made of CRCA 'D' grade high yield strength, CRCA sheets conforming to grade as per CRI of IS 513 (part-1):2016, It should have 4 Nos. shelves with thickness of 1.0 mm, Back thickness 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 (+/- 10%). Powder coating: Conforming to IS: 13871. the OEM must hold a valid BIS certification/license for the storage Unit. A copy of the valid BIS certificate/license shall be furnished along with the bid. The product should be complete and as per sample approved & as per direction of Engineer-in-charge/employer.

15. 12 Sater Conference room Table

Scope: Supply, assembly and installation in-situ of 12-seater Modular Conference Table as per technical specification.



Features



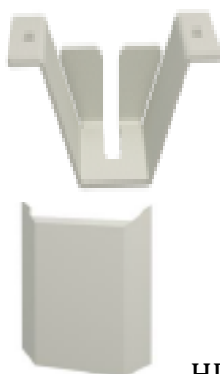
Cable holder for easy access of cable and keeping cables tangle free



Clutter free top with provision of Power Module at bottom



Unique module designed to give ample leg space



HDMI Holder

HDMI Wire Cover



Document Shelf



Two Way Name Plate

Supply and installation of 12-Seater Modular Meeting Table or as per size of seminar Room.

Modular 2-Seater Main Table: 1350mmx600mmx730mm+ Modular 2-Seater Shared Table: 1350mmx600mmx730mm + Modular 2-Seater End Left Hand Side: 1350mmx600mmx730mm+ Modular 2-Seater End Right Hand Side: 1350mmx600mmx730mm+Modular 2350mm W St2350mm X 850mm X 730mm+Desk 2 Way Name Plate +Desk Mod Doc Shelf +Desk HDMI Wire Manger.

Work surface: Made of 36mm thick Pre-laminated MDF Board conforming to IS 14587: 1998, Grade II corresponding to IS 12406:2003, laminate shall be 1.0 mm thick E1 grade 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 MDF board 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: It consists of 25 mm thick Pre-laminated MDF Board conforming to IS 14587: 1998, Grade II corresponding to IS 12406:2003). All Exposed edges of MDF board 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. Aluminium alloy 63400 - WP profile is used for connecting panels together. The product has a knock-down construction. Plastic ABS access flap is provided for easy access to wires and cables. Work top is available in various shapes as shown above.

Modesty Panel: Made of 25 mm thick Pre-laminated MDF Board conforming to IS 14587: 1998, Grade II corresponding to IS 12406:2003,). All Exposed edges of pre laminated MDF board 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. Powder coated accent metal strip provided below work surface to enhance aesthetics. It is made of 0.8mm CRCA as per IS 513, epoxy polyester powder coated (DFT 40-60 microns)

Wire Management: An array of panels made of 0.8mm CRCA MS IS:513, epoxy polyester powder coated (DFT 40-60 microns) is used for flow of wires and cables. Provision of mount Anchor Roma 6 module plate is provided below worktop. Cutout on top with two-piece injection moulded plastic part polymer component is fitted to pull out audio, video cables

onto worktop and connect devices charger to power socket below worktop. All, Hardware (Handles, Slides, Hinges, locks, sliding channel etc) Hettich/Ebco Make. Pre laminated MDF Board and Laminate Make: (Century/Action Tesa/Merino/Greenlam), Conference table Stool **as approved by engineer in-charge/employer.**

16. Meeting Room Chair



Providing and Placing High Back Chair with overall size of 76.1 cm W x 76.1 cm D x 96.5 – 114 cm H x 43.1 – 53.1 cm Seat Height. The seat is cushioned seat made of injection moulded plastic outer & inner. Plastic inner 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 in situ 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. 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. the OEM must hold a valid BIS certification/license for the chair. A copy of the valid BIS certificate/license shall be furnished along with the bid.

17. 4 Bay Compactor 8 TM with Doors (1 Set of compactors consist 72 Bodies with 4 bay Static Drive unit 1 nos. 4 bay Last Drive Unit 1 Nos, 4 bay Twin Mobile Unit 8 Nos.)



Supplying and Installation of 4 Bay Compactor 8 TM (U/C + Fittings + Cover) with Doors (1 Set of compactors consist 72 Bodies with 4 bay Static Drive unit 1 nos. 4 bay Last Drive Unit 1 Nos, 4 bay Twin Mobile Unit 8 Nos.), Dimensions shall be 2400mm(W)x400mm(D)x2261mm(H). Body with made of Rigid Knock Down construction made of 1.2 mm thick. CRCA Steel conforming to IS: 513 Gr. D. Each body block consists of 1 Main unit & then Add-on units (0, 1,2,3 depending on no. of bays 1, 2, 3, 4 respectively). Each unit has 6 loading levels with 5 nos. adjustable shelves for 2261mm Height body. Body units are mounted on an under structure which is fixed or moving. The body comprises the following components: 1. Front Cover: It is the foremost panel of the body on which the handles (Push pull)/ Drive unit (Drive Type) are fixed. It is made of 1.2 mm thick. CRCA Steel conforming to IS: 513 Grade The front cover has a pattern of holes on the front surface for ventilation purpose.

Back Cover: It is the backmost panel of the body and is the mirror image of the front cover. It is made of 1.2 mm thick. CRCA Steel conforming to IS: 513 Grade The back cover has a pattern of holes on the surface for ventilation purpose. 3. Back Panel: The back panels are made of 1.2 mm thick. CRCA Steel conforming to IS: 513 Grade There are two back panels – Top back panel and Bottom back panel for 2261mmH unit. The two back panels are fixed together using machine screws. The purpose of the back panel is to act as a divider between 2 opposite shelves in twin body (TM/TD). When the entire optimizer layout is locked it also prevents access to inside files from the outside in case of single body (SS/SD/SL/LD). 4. Shared Panel: The shared panel acts as a partition between two adjacent bodies. It is made of 1.2 mm thick. CRCA Steel conforming to IS: 513 Grade

Door Frame: The door frame assembly is made of 2 vertical door stiffeners, a top horizontal stiffener and a bottom horizontal stiffener. It provides rigidity to the entire body as the

topmost shelf is pop riveted with the back panel as well as both the vertical door frame. The door frame is also useful if the customer chooses to have doors for the optimizer as the doors are hinged about the door frame. It is made of 1.2 mm thick CRCA Steel conforming to IS: 513 Grade 6. Tie rod assembly: The tie rod assembly acts as a substitute to the back panels (only in twin body) if the customer chooses to not have back panels. The assembly consists of 2 tie rods, 4 fixing brackets and 2 turnbuckles. The tie rods are fixed in a shape of 'X' between two opposite shelves. The tie rods are made of 4mm diameter rods of MS while the fixing brackets are made of 2mm thick CRCA Steel conforming to IS: 513 Grade. This assembly is available for heights 2261mm. Finish: The bodies including shelves are given antirust surface treatment & are coated with epoxy polyester powder. It involves an 8-step treatment consisting of Hot water rinse, knock of degreasing, degreasing, cold water rinse, phosphating, cold water rinse, and passivation & dry off oven treatment. Final finish consists of epoxy polyester powder coating of approved color & shade with a Dry Film Thickness of minimum 40 microns. The testing of paint is done for various physical & chemical properties as per IS: 101. The material is then oven baked with a controlled temperature of 180 deg. C to 200 deg. C. Shelf: (a) Construction: It is made of 1.2 mm thick CRCA steel conforming to IS: 513 grade or DD. Its max load bearing capacity is 100 Kg uniformly distributed per shelf. For P1 and P2 type of Configuration recommended shelf load is less than 100kg (Refer UDL chart below). This is done to ensure that the unit is light enough for one person to pull/push with a handle even at recommended full load capacity. Shelf can be placed at clear height of 386mm from bottom in every body. The last loading level for shelf is 2105mm from ground for 2261mmH body. Shelves are mounted on support brackets & shelf level can be adjusted at approx. 25.4 pitches. There are 5 adjustable shelves per body for 2261mmHeight, giving 6 loading levels for 2261mmH body. Under structure: - The Under structure is a welded frame suitably fabricated to bear the loads based on configuration. The frame consists of the following parts: Main channel, body-fixing channel, U channel and Z-channel. All the components are made of HR sheet 3 mm thick. conforming to IS: 2062. Hinge Doors & Locking: It is made of 0.9mm to 1mm thick CRCA steel confirming to IS: 513 grades

Hinged door has recessed Die cast Handle cum lock with 3 ways locking through a lever & shooting bolt. Warranty: 3 Years, Compactor as approved by engineer in charge/employer.

18. Storage Compactor Unit, 4 Bay Compactor 6 TM with Doors (1 Set of compactors consist 56 Bodies with 4 bay Static Drive unit 1 nos. 4 bay Last Drive Unit 1 Nos, 4 bay

Twin Mobile Unit 6 Nos.)

Supplying and Installation of 4 Bay Compactor 6 TM (U/C + Fittings + Cover) with Doors (1 Set of compactors consist 56 Bodies with 4 bay Static Drive unit 1 nos. 4 bay Last Drive Unit 1 Nos, 4 bay Twin Mobile Unit 6 Nos.), Dimensions shall be 2400mm(W)x400mm(D)x2261mm(H). Body with made of Rigid Knock Down construction made of 1.2 mm thick. CRCA Steel conforming to IS: 513 Gr. D. Each body block consists of 1 Main unit & then Add-on units (0, 1,2,3 depending on no. of bays 1, 2, 3, 4 respectively). Each unit has 6 loading levels with 5 nos. adjustable shelves for 2261mm Height body. Body units are mounted on an under structure which is fixed or moving. The body comprises the following components: 1. Front Cover: It is the foremost panel of the body on which the handles (Push pull)/ Drive unit (Drive Type) are fixed. It is made of 1.2 mm thick. CRCA Steel conforming to IS: 513 Grade The front cover has a pattern of holes on the front surface for ventilation purpose.

Back Cover: It is the backmost panel of the body and is the mirror image of the front cover. It is made of 1.2 mm thick. CRCA Steel conforming to IS: 513 Grade The back cover has a pattern of holes on the surface for ventilation purpose. 3. Back Panel: The back panels are made of 1.2 mm thick. CRCA Steel conforming to IS: 513 Grade There are two back panels – Top back panel and Bottom back panel for 2261mmH unit. The two back panels are fixed together using machine screws. The purpose of the back panel is to act as a divider between 2 opposite shelves in twin body (TM/TD). When the entire optimizer layout is locked it also prevents access to inside files from the outside in case of single body (SS/SD/SL/LD).4. Shared Panel: The shared panel acts as a partition between two adjacent bodies. It is made of 1.2 mm thick. CRCA Steel conforming to IS: 513 Grade

Door Frame: The door frame assembly is made of 2 vertical door stiffeners, a top horizontal stiffener and a bottom horizontal stiffener. It provides rigidity to the entire body as the topmost shelf is pop riveted with the back panel as well as both the vertical door frame.

The door frame is also useful if the customer chooses to have doors for the optimizer as the doors are hinged about the door frame. It is made of 1.2 mm thick CRCA Steel conforming to IS: 513 Grade 6. Tie rod assembly: The tie rod assembly acts as a substitute to the back panels (only in twin body) if the customer chooses to not have back panels. The assembly consists of 2 tie rods, 4 fixing brackets and 2 turnbuckles. The tie rods are fixed in a shape of 'X' between two opposite shelves. The tie rods are made of 4mm diameter rods of MS while the fixing brackets are made of 2mm thick CRCA Steel conforming to IS: 513 Grade. This assembly is available for heights 2261mm. Finish: The bodies including shelves are given antirust surface treatment & are coated with epoxy polyester powder. It involves an 8-step treatment consisting of Hot water rinse, knock of degreasing, degreasing, cold water rinse, phosphating, cold water rinse, and passivation & dry off oven treatment. Final finish consists of epoxy polyester powder coating of approved color & shade with a Dry Film Thickness of minimum 40 microns. The testing of paint is done for various physical & chemical properties as per IS: 101. The material is then oven baked with a controlled temperature of 180 deg. C to 200 deg. C. Shelf: (a) Construction: It is made of 1.2 mm thick CRCA steel conforming to IS: 513 grade or DD. Its max load bearing capacity is 100 Kg uniformly distributed per shelf. For P1 and P2 type of Configuration recommended shelf load is less than 100kg (Refer UDL chart below). This is done to ensure that the unit is light enough for one person to pull/push with a handle even at recommended full load capacity. Shelf can be placed at clear height of 386mm from bottom in every body. The last loading level for shelf is 2105mm from ground for 2261mmH body. Shelves are mounted on support brackets & shelf level can be adjusted at approx. 25.4 pitches. There are 5 adjustable shelves per body for 2261mmHeight, giving 6 loading levels for 2261mmH body. Under structure: - The Under structure is a welded frame suitably fabricated to bear the loads based on configuration. The frame consists of the following parts: Main channel, body-fixing channel, U channel and Z-channel. All the components are made of HR sheet 3 mm thick. conforming to IS: 2062. Hinge Doors & Locking: It is made of 0.9mm to 1mm thick CRCA steel confirming to IS: 513 grades. Hinged door has recessed Die cast Handle cum lock with 3 ways locking through a lever & shooting bolt. Warranty: 3 Years, Compactor as approved by engineer in charge/employer.

19. Storage Compactor Unit, 2 Bay Compactor 6 TM with Doors (1 Set of compactors consist 28 Bodies with 2 bay Static Drive unit 1 nos. 2 bay Last Drive Unit 1 Nos, 2 bay Twin Mobile Unit 6 Nos.)



Supplying and Installation of 2 Bay Compactor 8 TM (U/C + Fittings + Cover) with Doors (1 Set of compactors consist 28 Bodies with 2 bay Static Drive unit 1 nos. 4 bay Last Drive Unit 1 Nos, 2 bay Twin Mobile Unit 6 Nos.), Dimensions shall be 2400mm(W)x400mm(D)x2261mm(H). Body with made of Rigid Knock Down construction made of 1.2 mm thick. CRCA Steel conforming to IS: 513 Gr. D. Each body block consists of 1 Main unit & then Add-on units (0, 1,2,3 depending on no. of bays 1, 2, 3, 4 respectively). Each unit has 6 loading levels with 5 nos. adjustable shelves for 2261mm Height body. Body units are mounted on an under structure which is fixed or moving. The body comprises the following components: 1. Front Cover: It is the foremost panel of the body on which the handles (Push pull)/ Drive unit (Drive Type) are fixed. It is made of 1.2 mm thick. CRCA Steel conforming to IS: 513 Grade The front cover has a pattern of holes on the front surface for ventilation purpose.

Back Cover: It is the backmost panel of the body and is the mirror image of the front cover. It is made of 1.2 mm thick. CRCA Steel conforming to IS: 513 Grade The back cover has a pattern of holes on the surface for ventilation purpose. 3. Back Panel: The back panels are made of 1.2 mm thick. CRCA Steel conforming to IS: 513 Grade There are two back panels – Top back panel and Bottom back panel for 2261mmH unit. The two back panels are fixed together using machine screws. The purpose of the back panel is to act as a divider between 2 opposite shelves in twin body (TM/TD). When the entire optimizer layout is locked it also prevents access to inside files from the outside in case of single body (SS/SD/SL/LD). 4. Shared Panel: The shared panel acts as a partition between two adjacent bodies. It is made of 1.2 mm thick. CRCA Steel conforming to IS: 513 Grade

Door Frame: The door frame assembly is made of 2 vertical door stiffeners, a top horizontal stiffener and a bottom horizontal stiffener. It provides rigidity to the entire body as the topmost shelf is pop riveted with the back panel as well as both the vertical door frame. The door frame is also useful if the customer chooses to have doors for the optimizer as the doors are hinged about the door frame. It is made of 1.2 mm thick. CRCA Steel

conforming to IS: 513 Grade 6. Tie rod assembly: The tie rod assembly acts as a substitute to the back panels (only in twin body) if the customer chooses to not have back panels. The assembly consists of 2 tie rods, 4 fixing brackets and 2 turnbuckles. The tie rods are fixed in a shape of 'X' between two opposite shelves. The tie rods are made of 4mm diameter rods of MS while the fixing brackets are made of 2mm thick CRCA Steel conforming to IS: 513 Grade. This assembly is available for heights 2261mm. Finish: The bodies including shelves are given antirust surface treatment & are coated with epoxy polyester powder. It involves an 8-step treatment consisting of Hot water rinse, knock of degreasing, degreasing, cold water rinse, phosphating, cold water rinse, and passivation & dry off oven treatment. Final finish consists of epoxy polyester powder coating of approved color & shade with a Dry Film Thickness of minimum 40 microns. The testing of paint is done for various physical & chemical properties as per IS: 101. The material is then oven baked with a controlled temperature of 180 deg. C to 200 deg. C. Shelf: (a) Construction: It is made of 1.2 mm thick CRCA steel conforming to IS: 513 grade or DD. Its max load bearing capacity is 100 Kg uniformly distributed per shelf. For P1 and P2 type of Configuration recommended shelf load is less than 100kg (Refer UDL chart below). This is done to ensure that the unit is light enough for one person to pull/push with a handle even at recommended full load capacity. Shelf can be placed at clear height of 386mm from bottom in every body. The last loading level for shelf is 2105mm from ground for 2261mmH body. Shelves are mounted on support brackets & shelf level can be adjusted at approx. 25.4 pitches. There are 5 adjustable shelves per body for 2261mmHeight, giving 6 loading levels for 2261mmH body. Under structure: - The Under structure is a welded frame suitably fabricated to bear the loads based on configuration. The frame consists of the following parts: Main channel, body-fixing channel, U channel and Z-channel. All the components are made of HR sheet 3 mm thick, conforming to IS: 2062. Hinge Doors & Locking: It is made of 0.9mm to 1mm thick CRCA steel confirming to IS: 513 grades

Hinged door has recessed Die cast Handle cum lock with 3 ways locking through a lever & shooting bolt. Warranty: 3 Years, Compactor as approved by engineer in charge/employer.

20. Storage Compactor Unit, 2 Bay Compactor 8 TM with Doors (1 Set of compactors consist 36 Bodies with 2 bay Static Drive unit 1 nos. 2 bay Last Drive Unit 1 Nos, 2 bay Twin Mobile Unit 8 Nos.)



Supplying and Installation of 2 Bay Compactor 8 TM (U/C + Fittings + Cover) with Doors (1 Set of compactors consist 36 Bodies with 2 bay Static Drive unit 1 nos. 4 bay Last Drive Unit 1 Nos, 2 bay Twin Mobile Unit 8 Nos.), Dimensions shall be 2400mm(W)x400mm(D)x2261mm(H). Body with made of Rigid Knock Down construction made of 1.2 mm thick. CRCA Steel conforming to IS: 513 Gr. D. Each body block consists of 1 Main unit & then Add-on units (0, 1,2,3 depending on no. of bays 1, 2, 3, 4 respectively). Each unit has 6 loading levels with 5 nos. adjustable shelves for 2261mm Height body. Body units are mounted on an under structure which is fixed or moving. The body comprises the following components: 1. Front Cover: It is the foremost panel of the body on which the handles (Push pull)/ Drive unit (Drive Type) are fixed. It is made of 1.2 mm thick. CRCA Steel conforming to IS: 513 Grade The front cover has a pattern of holes on the front surface for ventilation purpose.

Back Cover: It is the backmost panel of the body and is the mirror image of the front cover. It is made of 1.2 mm thick. CRCA Steel conforming to IS: 513 Grade The back cover has a pattern of holes on the surface for ventilation purpose. 3. Back Panel: The back panels are made of 1.2 mm thick. CRCA Steel conforming to IS: 513 Grade There are two back panels – Top back panel and Bottom back panel for 2261mmH unit. The two back panels are fixed together using machine screws. The purpose of the back panel is to act as a divider between 2 opposite shelves in twin body (TM/TD). When the entire optimizer layout is locked it also prevents access to inside files from the outside in case of single body (SS/SD/SL/LD). 4. Shared Panel: The shared panel acts as a partition between two adjacent bodies. It is made of 1.2 mm thick. CRCA Steel conforming to IS: 513 Grade

Door Frame: The door frame assembly is made of 2 vertical door stiffeners, a top horizontal stiffener and a bottom horizontal stiffener. It provides rigidity to the entire body as the topmost shelf is pop riveted with the back panel as well as both the vertical door frame. The door frame is also useful if the customer chooses to have doors for the optimizer as the doors are hinged about the door frame. It is made of 1.2 mm thick. CRCA Steel

conforming to IS: 513 Grade 6. Tie rod assembly: The tie rod assembly acts as a substitute to the back panels (only in twin body) if the customer chooses to not have back panels. The assembly consists of 2 tie rods, 4 fixing brackets and 2 turnbuckles. The tie rods are fixed in a shape of 'X' between two opposite shelves. The tie rods are made of 4mm diameter rods of MS while the fixing brackets are made of 2mm thick CRCA Steel conforming to IS: 513 Grade. This assembly is available for heights 2261mm. Finish: The bodies including shelves are given antirust surface treatment & are coated with epoxy polyester powder. It involves an 8-step treatment consisting of Hot water rinse, knock of degreasing, degreasing, cold water rinse, phosphating, cold water rinse, and passivation & dry off oven treatment. Final finish consists of epoxy polyester powder coating of approved color & shade with a Dry Film Thickness of minimum 40 microns. The testing of paint is done for various physical & chemical properties as per IS: 101. The material is then oven baked with a controlled temperature of 180 deg. C to 200 deg. C. Shelf: (a) Construction: It is made of 1.2 mm thick CRCA steel conforming to IS: 513 grade or DD. Its max load bearing capacity is 100 Kg uniformly distributed per shelf. For P1 and P2 type of Configuration recommended shelf load is less than 100kg (Refer UDL chart below). This is done to ensure that the unit is light enough for one person to pull/push with a handle even at recommended full load capacity. Shelf can be placed at clear height of 386mm from bottom in every body. The last loading level for shelf is 2105mm from ground for 2261mmH body. Shelves are mounted on support brackets & shelf level can be adjusted at approx. 25.4 pitches. There are 5 adjustable shelves per body for 2261mmHeight, giving 6 loading levels for 2261mmH body. Under structure: - The Under structure is a welded frame suitably fabricated to bear the loads based on configuration. The frame consists of the following parts: Main channel, body-fixing channel, U channel and Z-channel. All the components are made of HR sheet 3 mm thick, conforming to IS: 2062. Hinge Doors & Locking: It is made of 0.9mm to 1mm thick CRCA steel confirming to IS: 513 grades. Hinged door has recessed Die cast Handle cum lock with 3 ways locking through a lever & shooting bolt. Warranty: 3 Years, Compactor as approved by engineer in charge/employer.

21. Full Height Storage Almirah



Providing and placing of Steel Almirah overall size: 916mm(W)x486mm(D)x1980 mm(H) 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 (+/- 10%). Powder coating: Conforming to IS: 13871. The OEM must hold a valid BIS certification/license for the storage unit. A copy of the valid BIS certificate/license shall be furnished along with the bid. the product should be complete and as per sample approved & as per direction of Engineer-in-charge/employer.



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 $2.52 + 0.03 \text{ cm} \times 0.16 \pm 0.0128 \text{ cm}$ 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 2.5 cm PU Foam insert. the back cover is made from High Abrasion Resistance fabric with foam lamination and 0.1 cm PU foam. SIZE: (W) $57.5 \text{ cm} \times (D)67.8 \text{ cm} \times (H)84.5 \text{ cm} \times (\text{seat H}) 45.0 \text{ cm}$, Seat Size $52.5 \text{ cm}(W) \times 53.2 \text{ cm}(D)$, Back Size $51.6 \text{ cm}(W) \times 40.5 \text{ cm (H)}$. the OEM must hold a valid BIS certification/license for the chair. A copy of the valid BIS certificate/license shall be furnished along with the bid. Chair as approved by engineer in-charge/employer.

23. Registration Counter



Providing and placing of customized rectangular reception counter with double-top arrangement, The reception counter shall be fabricated in required size and configuration as per architectural drawings. The entire base structure shall be made from 25 mm thick marine plywood of approved make such as Century Ply/Action TESA/Green ply or equivalent approved, reinforced internally with mild steel square pipe framework for structural rigidity and stability. The external visible surfaces shall be clad with 12 mm thick Corian solid surface sheets, thermoformed to desired profiles and curves using appropriate dies and moulds, fixed using approved adhesive and finished seamlessly to provide a smooth monolithic appearance.

The complete reception counter shall be finished externally with approved 1 mm thick decorative laminate/veneer finish, while all internal surfaces shall be finished with 1 mm thick white laminate or approved shade. All exposed edges shall be sealed with 2 mm thick PVC edge banding, machine pressed and neatly finished to protect against moisture ingress, impact and wear. The counter shall include all necessary shutter doors, drawer units, locking arrangements, footrest, supports and accessories complete as per approved design and functional requirements.

The reception counter shall be provided with 3 numbers computer keyboard trays and 3 numbers drawer cabinets with locking arrangement. Each drawer unit shall have three drawers of heights 150 mm, 150 mm and 350 mm respectively, with overall drawer unit size approximately 450 mm width × 680 mm height. Drawer boxes shall be fabricated from 18 mm thick marine plywood finished with 1 mm thick laminate externally and white laminate internally. Each drawer shall slide smoothly on a pair of approved telescopic drawer sliders/heavy-duty channels of approved make. The counter shall also be provided with double front panel arrangement suitable for mounting electrical switches, sockets and associated wiring accessories.

The working top height of the reception counter shall be 750 mm, while the upper transaction/counter top height shall be maintained between 1050 mm to 1200 mm. The

depth of working top shall be between 650 mm to 750 mm or as per approved drawings. The complete assembly shall be rigid, stable, levelled and free from surface defects, undulations, cracks or misalignment. All exposed surfaces shall be smooth and properly finished as approved by the Engineer-in-Charge/Employer.

All hardware and fittings such as telescopic drawer slides, hinges, mini-fix fittings, dowels, handles, screws, locking systems and other accessories shall be of premium quality and of approved makes such as Hettich/Ebco or equivalent approved. Counter as approved by the Engineer-in-Charge/Employer.

24. 4-seater Dining Table



Supplying and installation of 4-seater dining table. The overall size of the dining table shall be 1200 mm Length × 1200 mm width × 750 mm height. The table top shall be fabricated from 25 mm thick MDF board of approved make such as [CenturyPly](#)/[Greenply](#)/[Action TESA](#) or equivalent approved. The top surface shall be finished with PU paint coating having minimum 2H surface hardness and 75% gloss level as per approved colour chart. The table top shall incorporate approved combination colour graphics at the centre and shall have specially profiled edges finished with brown laminate to provide user comfort and protection against edge damage.

The under structure of the table shall consist of bent mild steel tubular framework fabricated from 38 mm diameter, 2 mm thick MS pipe sections, accurately bent, welded and finished with approved powder coating. The framework shall be rigid, stable and capable of supporting the table top without deformation or wobbling under normal usage. The table top shall be securely fixed to the under structure using stainless steel machine screws and approved fixing accessories.

The table legs shall also be fabricated from 38 mm diameter MS tubular sections with powder-coated finish and shall be properly connected to the under structure and table top to form a durable and stable assembly.

Plastic glides/shoes shall be provided and fixed at the underside of the structure to prevent damage to the flooring during stacking, shifting or usage. All exposed metal surfaces shall be smooth, rust resistant and free from sharp edges, dents or weld marks. The complete table shall be designed for durability, ease of maintenance and suitability for dining/institutional applications.

All hardware and fittings such as screws, mini-fix fittings, dowels, hinges, handles, roller slides and other accessories wherever applicable shall be of high quality and of approved makes such as [Hettich](#)/Ebco or equivalent approved. Table as approved by the Engineer-in-Charge/Employer.

25. Dining Chair



Providing and placing of approved dining. The chair seat and backrest shall be manufactured from injection-moulded high-impact strength polypropylene polymer compound with indoor-grade UV resistance, ensuring durability, colour stability and resistance against normal wear and tear. The seat and back shall be ergonomically designed for comfortable seating and shall have smooth finished edges free from sharp projections, cracks or surface defects.

The supporting leg assembly and tubular framework shall be fabricated from Stainless Steel 202 grade stainless steel tubes of approved quality with buff-polished shiny finish. The tubular sections shall comprise stainless steel tubes of size 25.2 ± 0.03 mm diameter $\times$ 1.6 ± 0.128 mm thickness with accurately bent and welded to form a rigid and stable frame structure. All welded joints shall be smooth ground and polished uniformly to achieve neat appearance and corrosion resistance.

The bottom shoes/end caps shall be made from high-impact strength polypropylene polymer compound with indoor-grade UV resistance and shall be pressure fitted securely to the tubular frame to protect flooring surfaces and reduce movement noise. The overall height of chair shall be 900 mm with seat height of 450 mm. The seat size shall be 480 mm (W) $\times$ 532 mm (D) and the backrest size shall be 480 mm (W) $\times$ 455 mm (H), chair as approved by the Engineer-in-Charge/Employer.

26. 4-seater Dining Table for VIP Room.



Supplying and installation of approved 4-seater dining table for VIP Room comprising a solid structural wooden base and seamless solid surface top, complete in all respects as per drawings, approved samples and directions of Engineer-in-Charge. The overall size of the table shall be 1500 mm (L) × 1200 mm (W) × 750 mm (H). The table top shall consist of 12 mm thick Corian solid surface bonded over 18–25 mm thick BWP grade/marine plywood substrate using manufacturer-approved flexible adhesive. The Corian surface shall have matte/semi-gloss finish with thermoformed seamless joints using colour-matched adhesive to achieve a uniform monolithic appearance. Edge profile shall be bullnose/chamfered as approved. The solid surface shall be non-porous, stain resistant, repairable and suitable for interior applications. colour as approved by the Engineer-in-Charge.

The table base structure shall be made from solid teak wood/oak wood sections of size 75 mm × 75 mm. The exposed wooden members shall be finished with PU matte/melamine polish of approved shade and finish. Joinery shall be executed using mortise-tenon joints and concealed fasteners to provide a clean and durable appearance.

The table shall be designed to safely withstand a uniformly distributed load of minimum 150 kg without visible sagging, deformation or instability under normal use. Adjustable anti-wobble levellers shall be provided at the bottom as required. All exposed edges shall be machine-finished smooth and free from sharp corners. Corian joints shall remain invisible under normal lighting conditions. The finished surface shall be free from pinholes, cracks, discoloration, waviness or surface undulations. Minimum 5 mm radius shall be maintained at corners unless otherwise specified. Necessary expansion allowance shall be provided between substrate and solid surface material to prevent stress cracking or warping.

The complete table shall be manufactured using 100% solid VOC-free and low-formaldehyde materials the table complete as approved by the Engineer-in-Charge/employer.

27. Dining Chair for VIP Room.



Providing and installation of dining chair for VIP area. The overall size of the chair shall be 480 mm (L) × 470 mm (W) × 1100 mm (H), with seat height of 500 mm. The chair frame, legs, seat support and backrest structure shall be fabricated from solid well-seasoned Sheesham Wood/teak wood of approved quality, free from knots, cracks, warping and other defects, using fixed wooden joinery including mortise and tenon joints to ensure rigidity and durability. All exposed wooden surfaces shall be machine-finished smooth with rounded edges and finished in approved polish/shade as directed by the Engineer-in-Charge.

The seat base shall be made from 12 mm thick commercial/boiling water-resistant plywood fixed securely to the wooden framework. The seat shall be provided with 60 mm thick high-density foam cushion of approved make and density, properly bonded to the plywood base and upholstered with approved quality fabric in colour and pattern as approved by the Engineer-in-Charge. Upholstery shall be neatly tailored and tightly fixed without wrinkles, sagging or exposed fasteners. The backrest shall be ergonomically designed and fixed firmly to the chair frame for comfortable seating.

The chair shall be provided with anti-skid nylon buffers/felt pads at the bottom of each leg to protect flooring and reduce noise during movement. All wooden members shall be properly treated and seasoned to prevent termite attack, shrinkage or deformation. The complete chair shall be strong, stable and capable of withstanding regular usage without wobbling or joint failure. chair as approved by the Engineer-in-Charge/employer.

28. Stainless steel Dustbin



Supplying and installation of approved stainless-steel dustbin. The dustbin shall be of overall size 10-inch diameter × 14-inch height with minimum storage capacity of 15-20 litres. The body, lid and associated components shall be manufactured from non-magnetic stainless-steel Grade 202 of minimum 1.0 mm thick sheet, free from dents, sharp edges, surface irregularities and manufacturing defects. The stainless-steel surface shall have smooth brushed/matte finish with neatly rolled edges for safe handling and enhanced durability.

The dustbin shall be provided with a properly fitted stainless-steel lid and sturdy side handle for easy handling and maintenance. The unit shall be leg-operated type, complete with heavy-duty pedal mechanism designed for smooth and hygienic hands-free operation. The pedal assembly and linkage mechanism shall be fabricated from corrosion-resistant material and securely fixed to ensure long-term performance without wobbling or failure during repeated use.

The inner and outer surfaces shall be easy to clean, rust resistant and suitable for indoor use in commercial areas. The base shall be stable and provided with non-marking support/rubber bushes wherever required to avoid floor scratches and movement during operation. All joints and edges shall be properly finished and polished. Dustbin as approved by the Engineer-in-Charge/Employer.

29. Dustbin Large (100 Litre)



Supplying and installation of wheeled base dustbin of 100-litre capacity. The dustbin shall be manufactured from high-quality High-Density Polyethylene (HDPE) material using injection moulding process, providing a seamless, durable and impact-resistant construction suitable for indoor and outdoor use. The material shall be UV-stabilized, weather resistant and heat resistant to withstand prolonged exposure to sunlight and varying environmental conditions without cracking, fading or deformation.

The dustbin shall be provided with a tight-fitting hinged lid. The bin shall have approximate dead weight of 10.5 kg and useful load carrying capacity of minimum 100 kg. wheel diameter of 200 mm. The unit shall be provided with durable heavy-duty wheels mounted on corrosion-resistant axle arrangement for easy mobility and handling during waste collection and transportation. Wheels shall be designed for smooth movement over regular floor and pavement surfaces.

The dustbin body shall have smooth internal and external surfaces for easy cleaning and maintenance and shall be resistant to corrosion, moisture, chemicals and microbial growth. All edges and corners shall be rounded and free from sharp projections for safe handling. Colour of dustbin shall be as approved by the Engineer-in-Charge/Employer.

30. 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 ($\pm 5\%$).

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(± 1 mm) & thickness 1.25mm ($\pm 5\%$) 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: $380\text{gm}/\text{meter}$ ($\pm 5\%$). 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: $219\text{gm}/\text{meter}$, 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 AA6063alloy having Rod I/D: 10.8mm , O/D: 14.8mm , Weight: $219\text{gm}/\text{meter}$, 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 moulded 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.**

Budgetary quotation of Furniture Work for Service Block, AIIMS-New Delhi

Name of Agency:

S. No.	Name of Items	Unit	Total Quantity	Rates per Unit including of all taxes with 3 years Warranty	Amount (In Rs.)
1	Steel Racks	Each	152		
2	L shape Work Station	Each	154		
3	Work Station Chair	Each	154		
4	Personal Locker	Each	53		
5	Office Table	Each	1		
6	Office Chair	Each	1		
7	Visitor Chair	Each	79		
8	Staff Room Office Table (1800mm)	Each	29		
9	Office Chair-2 Staff Room	Each	29		
10	Three Seater Sofa	Each	9		
11	Two Seater Sofa		5		
12	Centre Table	Each	5		
13	Corner Table	Each	3		
14	Steel AlmiraH For Store Room	Each	70		
15	Meeting Room Table 12 Seater	Each	4		
16	Meeting Room Chair/Registration Chair	Each	91		
17	Storage Compactor Unit, 4 Bay Compactor 8 TM with Doors (1 Set of compactors consist 72 Bodies with 4 bay Static Drive unit 1 nos. 4 bay Last Drive Unit 1 Nos, 4 bay Twin Mobile Unit 8 Nos.)	Each	6		

Budgetary quotation of Furniture Work for Service Block, AIIMS-New Delhi

Name of Agency:

S. No.	Name of Items	Unit	Total Quantity	Rates per Unit including of all taxes with 3 years Warranty	Amount (In Rs.)
18	Storage Compactor Unit, 4 Bay Compactor 6 TM with Doors (1 Set of compactors consist 56 Bodies with 4 bay Static Drive unit 1 nos. 4 bay Last Drive Unit 1 Nos, 4 bay Twin Mobile Unit 6 Nos.)	Each	6		
19	Storage Compactor Unit, 2 Bay Compactor 6 TM with Doors (1 Set of compactors consist 28 Bodies with 2 bay Static Drive unit 1 nos. 2 bay Last Drive Unit 1 Nos, 2 bay Twin Mobile Unit 6 Nos.)	Each	6		
20	Storage Compactor Unit, 2 Bay Compactor 8 TM with Doors (1 Set of compactors consist 36 Bodies with 2 bay Static Drive unit 1 nos. 2 bay Last Drive Unit 1 Nos, 2 bay Twin Mobile Unit 8 Nos.)	Each	2		
21	Full Height Storage Almirah	Each	132		
22	Seminar Room Chair	Each	250		
23	Registration Counter	Sqmt	0		
24	4-seater Dining Table	Each	29		
25	Dining Chair	Each	116		
26	4 seater Dining Table for VIP Room	Each	4		
27	Dining Chair for VIP Room	Each	16		
28	Stainless steel Dustbin	Each	184		
29	Dustbin Large	Each	12		
30	Roller Blind Curtain for Window	Each	750		
31	Total Amount In Rs.				