

Request For Budgetary Estimate of furniture work for CDSCO Baddi,
Himachal Pradesh

HSCC/CDSCO Baddi, Himachal Pradesh/Furniture/2026

Date: 18/03/2026

HSCC (India) Ltd. intends to invite on-line budgetary estimate from eligible bidders for supply, Installation testing and commissioning of furniture work for CDSCO Baddi at Himachal Pradesh.

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. CDSCO Baddi at Himachal Pradesh.

The quotation should be on Company Letter Head with sign and stamp as per the BOQ format enclosed and should be submitted in both Hard & Soft Copy within 15 days of issue of this Notice at the following address:

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

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

Procurement Department,
HSCC (India) Ltd.

Technical Specification of Furniture work For CDSCO, Baddi, Himachal Pradesh

1. Linier Work Station



Providing and placing of Liner work station (Size: 1200mmLx600mmDx Work top 750mmH, Partition Height: 1200mm) with modular partitions system coated aluminums 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 aluminum with duly powder coated at every division of tile/block. Each panel have Bottom frame fabricated for 60 mm 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 2 Nos Legs of height 120 mm 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 16 bg) with the base plate of the MS plate of 35x22x5mm (IS: 2062, 5mm HR) over which an M8 Leveler 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 60 mm thick panel intermediate block shall comprise of 38mm thick paper honeycomb with 3mm MDF on each side and 0.6mm decorative laminate on both sides. Particle board framing shall be used on outer boundary of these blocks as well as intermediately at certain locations forming conduit for passing cables. These blocks will be located in the middle bands of the panels made out of a composite construction of MDF and paper honeycomb. Each Panel consist of TOP TILES/SPLIT TILES. These tiles shall be slide in to the panels from top before fixing the top horizontal. These tiles shall be supported from top & bottom side with clips made from PP co polymer fitted in horizontal extrusion. In case of split tiles, it shall be offered in Fabric magnetic tiles, Whiteboard tiles. Each Panel consists a BOTTOM TILE. These bottom tiles shall be press fitted on to the assembly frame of the panel with the help of snap-on clips made of nylon-66 and support clips made from Polypropylene (PP). All

partitions and side panels have leveling 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 9.0 mm thick ISI mark HDHMR Board (High Density High Moisture Resistant Board) with 0.8mm 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. Aluminum Trims : The top trims and end trims for 50-60 mm shall be made from aluminum extrusion. All kinds of extrusions for 50-60 mm shall have average wall thickness of 1.2 mm & having finish of powder coating.

Top trim in 60 mm 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 60 mm thick panel shall be slide fitted with the help of end trim connector made from 2.0mm thick M.S. CRCA Grade D as per IS: 513. Wire Management - Wires shall be taken into the system through cable ducts from the junction boxes and it is carried upto the panels through concealed conduits inside the blocks. Wires runs through the system from Bottom tile and extended to the top at various locations by the help of 2 nos. vertical Cable Ducts in each panels.

Cable duct shall be made from 0.8 mm thick Aluminum. 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 30mm-40 mm D. Legs - System shall also have 120 mm high powder coated welded metal legs to give the system an elevated look. Single side legs are fabricated by CO2 welded MS Tube of section 38 mm x 25 mm (IS: 7138 ERW Tube, 38 mm x 25 mm x 16bg) with the base plate of the MS plate of 35mm x 22mm x 5mm (IS: 2062, 5 mm HR) over which an M8 Leveler is fitted. End/Intermediate separator : partitions of 22.8mm thick including powder coated aluminums 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 aluminum 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 9 mm thick ISI mark HDHMR Board (High Density High Moisture Resistant Board), clad with 1mm thick laminate of approved shade.

- **FABRIC FINISH BLOCKS:**

These shall be made from 9 mm thick ISI mark HDHMR Board (High Density High Moisture Resistant Board) with 1mm thick approved shade of fabric using adhesives.

- **WHITEBOARD BLOCKS:**

These shall be made of 9 mm thick ISI mark HDHMR Board (High Density High Moisture Resistant 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 9 mm thick ISI mark HDHMR Board (High Density High Moisture Resistant Board) battens which hold 3mm ISI mark HDHMR Board (High Density High Moisture Resistant Board) 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 powders coated with epoxy polyester finish. Aluminum Trims : The top trims and end trims for 22.8mm partition shall be made from aluminum 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 60 mm 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 ISI mark HDHMR Board (High Density High Moisture Resistant Board) with finish of 1 mm thick laminate. 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. Work surfaces are fitted to the panels by work surface 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: Swiveling 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

(Handles, Slides, Hinges, locks, sliding channel etc) Hettich/Ebco Make of ISI mark HDHMR Board (High Density High Moisture Resistant Board) make: (Century/Action Tesa/Greenply or as approved by employer) work station as approved by engineer in-charge/employer. **Work station as approved by engineer in-charge/employer**

2. Office Table



Providing & Fixing office Table with Combination of Main Table with Extended Return Unit with Pedestal Storage Unit and: -

MAIN TABLE of size 1800mmW x 900mmD x 750mmH with top made of 32 mm thick ISI mark Laminated HDHMR Board (High Density High Moisture Resistant Board, Borer Resistance, and Termite Resistance) 0.8 mm thick High Gloss Laminate shall be used on both side with approved make and Color, E1 grade laminate with zero urea formaldehyde emissions ($\leq 8\text{mg}/100\text{ g}$ oven dry board-perforated method) for better in-house quality. This should comply with (EN 120-1992). All Exposed edges of 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. The gable end modesty panel of 25mm thick ISI mark Laminated HDHMR Board (High Density High Moisture Resistant Board, Borer Resistance, and Termite Resistance), 0.8 mm thick High Gloss Laminate shall be used on both side with approved make and Color, the table has provision with Aluminum Anodized Access Flap for better electrical provision. 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 (HDHMR board). Design/Shape of table: Rectangular and taper inside at both side ends

Extended Return Unit



Extended Return Unit size 1200mmL X 600mmD X 750mmH: The Side unit top is made up of 25mm thick ISI mark Laminated HDHMR Board (High Density High Moisture Resistant Board, Borer Resistance, and Termite Resistance) 0.8 mm thick High Gloss Laminate shall be used on both side with approved make and Color, E1 grade laminate with zero urea formaldehyde emissions ($\leq 8\text{mg}/100\text{g}$ oven dry board-perforated method) for better in-house quality. This should comply with (EN 120-1992). All Exposed edges of 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. The side unit shall be provided with combination of 1 open able shutter storage with proper locking arrangement, two open shelves and 1CPU Storage Drawer/storage shutter pull up mechanism: Groove type.

Mobile Pedestal



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 ISI mark Laminated HDHMR Board (High Density High Moisture Resistant Board, Borer Resistance, and Termite Resistance) 0.8 mm thick High Gloss Laminate shall

be used on both side with approved make and Color, E1 grade laminate with zero urea formaldehyde emissions ($\leq 8\text{mg}/100\text{ g}$ oven dry board-perforated method) for better in-house quality. This should comply with (EN 120-1992). All Exposed edges of 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, the back of the drawer unit is made from 9mm thick ISI mark Laminated HDHMR Board (High Density High Moisture Resistant Board, Borer Resistance, and Termite Resistance). 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, Make of All Hardware like (Handles, Slides, Hinges, locks, sliding channel, Dowels & Mini fix etc) Hettich/Ebco or equivalent or as approved by engineer in-charge/employer, Make of HDHMR Board and laminate: (Century/Action Tesa/Merino/Greenply or as approved by engineer in-charge/employer), Table as approved by engineer in-charge/employer.

3. Office table-2



Providing & Fixing office Table with Combination of Main Table with Extended Return Unit with Pedestal Storage Unit and: -

MAIN TABLE of size 2100mmW x 900mmD x 750mmH with top made of 32 mm thick ISI mark Laminated HDHMR Board (High Density High Moisture Resistant Board, Borer Resistance, and Termite Resistance) 0.8 mm thick High Gloss Laminate shall be used on both side with approved make and Color, E1 grade laminate with zero urea formaldehyde emissions ($\leq 8\text{mg}/100\text{ g}$ oven dry board-perforated method) for better in-house quality. This should comply with (EN 120-1992). All Exposed edges of 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. The gable end modesty panel of 25mm thick ISI mark Laminated HDHMR Board (High Density High Moisture Resistant Board, Borer Resistance, and Termite Resistance), 0.8 mm thick High Gloss Laminate shall be used on both side with approved make and Color, the table has provision with Aluminum Anodized Access Flap for better electrical provision. 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 (HDHMR board). Design/Shape of table: Rectangular and taper inside at both side ends

Extended Return Unit



Extended Return Unit size 1200mmL X 600mmD X 750mmH: The Side unit top is made up of 25mm thick ISI mark Laminated HDHMR Board (High Density High Moisture Resistant Board, Borer Resistance, and Termite Resistance) 0.8 mm thick High Gloss Laminate shall be used on both side with approved make and Color, E1 grade laminate with zero urea formaldehyde emissions ($\leq 8\text{mg}/100\text{g}$ oven dry board-perforated method) for better in-house quality. This should comply with (EN 120-1992). All Exposed edges of 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. The side unit shall be provided with combination of 1 open able shutter storage with proper locking arrangement, two open shelves and 1CPU Storage Drawer/storage shutter pull up mechanism: Groove type.

Mobile Pedestal



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 ISI mark Laminated HDHMR Board (High Density High Moisture Resistant Board, Borer Resistance, and Termite Resistance)0.8 mm thick High Gloss Laminate shall be used on both side with approved make and Color, E1 grade laminate with zero urea formaldehyde emissions ($\leq 8\text{mg}/100\text{ g}$ oven dry board-perforated method) for better in-house quality. This should comply with (EN 120-1992). All Exposed edges of 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, the back of the drawer unit is made from 9mm thick ISI mark Laminated HDHMR Board (High Density High Moisture Resistant Board, Borer Resistance, and Termite Resistance). 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, Make of All Hardware like (Handles, Slides, Hinges, locks, sliding channel, Dowels & Mini fix etc) Hettich/Ebco or equivalent or as approved by engineer in-charge/employer, Make of HDHMR Board and laminate: (Century/Action Tesa/Merino/Greenply or as approved by engineer in-charge/employer). Table as approved by engineer in-charge/employer.

4. Modular Conference Table

Conference table (50-Seater) with projection system similar to welcome center)

Scope: Supply, assembly and installation in-situ of 50seater Modular Conference Table as per technical specification.



Features



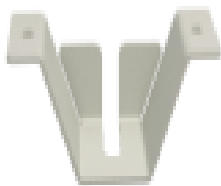
Cable holder for easy access of cable and keeping cables tangle free



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 50-Seater Modular Meeting Table

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 32 mm thick ISI mark Laminated HDHMR Board (High Density High Moisture Resistant Board, Borer Resistance, and Termite Resistance)0.8 mm thick High Gloss Laminate shall be used on both side with approved make and Color, E1 grade laminate with zero urea formaldehyde emissions ($\leq 8\text{mg}/100\text{ g}$ oven dry board-perforated method) for better in-house quality. This should comply with (EN 120-1992). All Exposed edges of 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

Understructure: It consists of 25 mm thick ISI mark Laminated HDHMR Board (High Density High Moisture Resistant Board, Borer Resistance, and Termite Resistance)0.8 mm thick High Gloss Laminate shall be used on both side with approved make and Color, E1 grade laminate with zero urea formaldehyde emissions ($\leq 8\text{mg}/100\text{ g}$ oven dry board-perforated method) for better in-house quality. This should comply with (EN 120-1992). All Exposed edges of 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. Aluminum 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 ISI mark Laminated HDHMR Board (High Density High Moisture Resistant Board, Borer Resistance, and Termite Resistance)0.8 mm thick High Gloss Laminate shall be used on both side with approved make and Color, E1 grade laminate with zero urea formaldehyde emissions ($\leq 8\text{mg}/100\text{ g}$ oven dry board-perforated method) for better in-house quality. This should comply with (EN 120-1992). All Exposed edges of 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.

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. Make of All Hardware like (Handles, Slides, Hinges, locks, sliding channel, Dowels & Mini fix etc) Hettich/Ebco or equivalent or as approved by engineer in-charge/employer, Make of HDHMR Board and laminate: (Century/Action Tesa/Merino/Greenply or as approved by engineer in-charge/employer).

Electrical & Data Integration

- Provision of **modular electrical/data boxes** at each seating position including:
 - 230V AC power sockets
 - RJ45 LAN ports
 - USB charging ports
 - Concealed cable management system with raceways and floor junction boxes.
 - All components shall conform to relevant IS standards.
 - Approved makes: Legrand, Schneider Electric, Havells or equivalent.
-

Projection System

- High brightness projector suitable for conference hall:
 - Brightness: **Minimum 5000 ANSI lumens**
 - Resolution: **Full HD (1920×1080) or higher**
 - Contrast ratio: Minimum **15000:1**
 - Ceiling-mounted or ultra-short throw configuration as per site.
 - Approved makes: Epson, Sony, BenQ, Panasonic or equivalent.
-

Projection Screen

- Motorized or fixed projection screen:
 - Size: **Minimum 120–150 inches diagonal**
 - Surface: Matte white / high gain fabric
 - Approved makes: Grandview, Da-Lite or equivalent.
-

Audio System

- Integrated audio system with:
 - Ceiling/wall-mounted speakers
 - Digital amplifier and mixer
 - Minimum **2–4 wireless microphones**
 - Approved makes: Bosch, JBL, Bose, Yamaha or equivalent.
-

Conference System (Optional)

- Digital discussion/conference system with chairman and delegate units (if required).
 - Approved makes: Bosch, Shure, Sennheiser or equivalent.
-

Control System

- Centralized AV control panel (table-mounted/wall-mounted) for:
- Projector control

- Screen operation
- Audio volume & source selection
- Approved makes: Crestron, Extron or equivalent.

Finishing & Aesthetics

- Modern design matching **Welcome Centre / Board Room standards.**
- Premium finish with approved colour scheme.
- All visible fittings in **SS/brushed aluminium finish.**

Installation, Testing & Commissioning

- Complete SITC (Supply, Installation, Testing & Commissioning) included.
- Integration with existing electrical and IT infrastructure.
- Demonstration and user training to be provided.

5. Wooden Storage. (1200 MM Height)



Supply and Installation of Conference room cabinet, Size of Cabinet: Width of unit: 915 mm (± 10 mm), Height of cabinet 1200 MM (± 10 mm), Depth of cabinet: 480MM (± 10 mm), Material of cabinet (Doors, back and side): 18 mm thick ISI mark Laminated HDHMR Board (High Density High Moisture Resistant Board, Borer Resistance, and Termite Resistance) 0.8 mm thick High Gloss Laminate shall be used on both side with approved make and Color, E1 grade laminate with zero urea formaldehyde emissions (≤ 8 mg/100 g oven dry board-perforated method) for better in-house quality. This should comply with (EN 120-1992). All Exposed edges of 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, Material thickness of drawer/compartment shelves ± 2 mm: 25 MM, Bottom Skirting

Thickness: 25 mm, Number of compartments: 3 compartment, Number of Shelves: 2 Nos. Type of doors: Open able door with help of handles with cam lock. Number of doors: 2 Nos. Handles, lock and hinges for Drawer/Compartment shall be Corrosion Resistance Metal, Make of All Hardware like (Handles, Slides, Hinges, locks, sliding channel, Dowels & Mini fix etc) Hettich/Ebco or equivalent or as approved by engineer in-charge/employer, Make of HDHMR Board and laminate: (Century/Action Tesa/Merino/Greenply or as approved by engineer in-charge/employer). **Wooden storage as approved by engineer in-charge/employer.**

6. Wooden Storage. (2100 MM Height)



Supply and Installation of Conference room cabinet, Size of Cabinet: Width of unit: 915 mm (± 10 mm), Height of cabinet 2100 MM (± 10 mm), Depth of cabinet: 480MM (± 10 mm), Material of cabinet (Doors, back and side): 18 mm thick ISI marked Laminated HDHMR Board (High Density High Moisture Resistant Board, Borer Resistance, and Termite Resistance) 0.8 mm thick High Gloss Laminate shall be used on both side with approved make and Color, E1 grade laminate with zero urea formaldehyde emissions (≤ 8 mg/100 g oven dry board-perforated method) for better in-house quality. This should comply with (EN 120-1992). All Exposed edges of 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, Material thickness of drawer/ /compartment shelves ± 2 mm: 25 MM, Bottom Skirting Thickness: 25 mm, Number of compartments: 5 compartment, Number of Shelves: 4 Nos. Type of doors: Open able door with help of handles with cam lock. Number of doors: 2 Nos. Handles, lock and hinges for Drawer/Compartment shall be Corrosion Resistance Metal, Make of All Hardware like (Handles, Slides, Hinges, locks, sliding channel, Dowels &

Mini fix etc) Hettich/Ebco or equivalent or as approved by engineer in-charge/employer, Make of HDHMR Board and laminate: (Century/Action Tesa/Merino/Greenply or as approved by engineer in-charge/employer). **Wooden storage as approved by engineer in-charge/employer.**

7. MEETING TABLE (15-Seater)

Conference table (15-Seater) with projection system similar to welcome center)

Scope: Supply, assembly and installation in-situ of 15 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



Supply and installation of 15 Seater Modular Meeting Table

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 32 mm thick ISI mark Laminated HDHMR Board (High Density High Moisture Resistant Board, Borer Resistance, and Termite Resistance)0.8 mm thick High Gloss Laminate shall be used on both side with approved make and Color, E1 grade laminate with zero urea formaldehyde emissions ($\leq 8\text{mg}/100\text{ g}$ oven dry board-perforated method) for better in-house quality. This should comply with (EN 120-1992). All Exposed edges of 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

Understructure: It consists of 25 mm thick ISI mark Laminated HDHMR Board (High Density High Moisture Resistant Board, Borer Resistance, and Termite Resistance)0.8 mm thick High Gloss Laminate shall be used on both side with approved make and Color, E1 grade laminate with zero urea formaldehyde emissions ($\leq 8\text{mg}/100\text{ g}$ oven dry board-perforated method) for better in-house quality. This should comply with (EN 120-1992). All Exposed edges of 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. Aluminum 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 ISI mark Laminated HDHMR Board (High Density High Moisture Resistant Board, Borer Resistance, and Termite Resistance) 0.8 mm thick High Gloss Laminate shall be used on both side with approved make and Color, E1 grade laminate with zero urea formaldehyde emissions ($\leq 8\text{mg}/100\text{ g}$ oven dry board-perforated method) for better in-house quality. This should comply with (EN 120-1992). All Exposed edges of 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. 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 molded plastic part polymer component is fitted to pull out audio, video cables onto worktop and connect devices charger to power socket below worktop. Make of All Hardware like (Handles, Slides, Hinges, locks, sliding channel, Dowels & Mini fix etc) Hettich/Ebco or equivalent or as approved by engineer in-charge/employer, Make of HDHMR Board and laminate: (Century/Action Tesa/Merino/Greenply or as approved by engineer in-charge/employer).

Electrical & Data Integration

- Provision of modular electrical/data boxes at each seating position including:
 - 230V AC power sockets
 - RJ45 LAN ports
 - USB charging ports
 - Concealed cable management system with raceways and floor junction boxes.
 - All components shall conform to relevant IS standards.
 - Approved makes: Legrand, Schneider Electric, Havells or equivalent.
-

Projection System

- High brightness projector suitable for conference hall:
 - Brightness: Minimum 5000 ANSI lumens
 - Resolution: Full HD (1920×1080) or higher
 - Contrast ratio: Minimum 15000:1
 - Ceiling-mounted or ultra-short throw configuration as per site.
 - Approved makes: Epson, Sony, Panasonic or equivalent.
-

Projection Screen

- Motorized or fixed projection screen:
 - Size: Minimum 120–150 inches diagonal
 - Surface: Matte white / high gain fabric
 - Approved makes: Grandview, Da-Lite or equivalent.
-

- 5. Audio System
- Integrated audio system with:
- Ceiling/wall-mounted speakers
- Digital amplifier and mixer
- Minimum 2–4 wireless microphones
- Approved makes: Bosch, JBL, Bose, Yamaha or equivalent.

Conference System (Optional)

- Digital discussion/conference system with chairman and delegate units (if required).
- Approved makes: Bosch, Shure, Sennheiser or equivalent.

Control System

- Centralized AV control panel (table-mounted/wall-mounted) for:
- Projector control
- Screen operation
- Audio volume & source selection
- Approved makes: Crestron, Extron or equivalent.

Finishing & Aesthetics

- Modern design matching Welcome Centre / Board Room standards.
- Premium finish with approved color scheme.
- All visible fittings in SS/brushed aluminium finish.

Installation, Testing & Commissioning

- Complete SITC (Supply, Installation, Testing & Commissioning) included.
- Integration with existing electrical and IT infrastructure.
- Demonstration and user training to be provided.

8. Meeting and 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 molded plastic outer & inner. Plastic inner is upholstered with leatherette and molded high resilience

polyurethane foam of density $45 \pm 2 \text{ kg/m}^3$, & hardness load of $16 \pm 2 \text{ kgf}$ as per IS:7888 for 25% compression. Seat Size is 47.0 W cm x 48.0 D cm. The back is cushioned made of PU foam with in situ molded M.S. ERW round tube of size $1.9 \pm 0.03 \text{ cm} \times 0.16 \pm 0.0128 \text{ cm}$, upholstered with leatherette. The back size is 47.7 W cm x 76.4 D cm. The armrest top is molded 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 aluminum 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 aluminum & fitted with 5 nos. of twin wheel castors. The pedestal is $65.0 \pm 0.5 \text{ cm}$ pitch center 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. **Chair as approved by engineer in-charge/employer.**

9. High Back Chair (Office Table)



Providing and Placing in Position High Back Chair. The cushioned seats shall be made of injection molded plastic outer and inner. Plastic inner shall be upholstered with pure leather and molded high resilience polyurethane foam of Density = $45 \pm 2 \text{ kg/m}^3$, and hardness load $16 \pm 2 \text{ kgf}$ as per IS:7888 for 25% of compression. Seat size shall be 47.6 cm W x 49.2 cm D. The back shall be cushioned and shall be made up of PU foam with insitu moulded MS ERW round tube of size $1.9 \pm 0.03 \text{ cm} \times 0.16 \pm 0.0128 \text{ cm}$, upholstered with pure leather. Back size shall be 47.5 cm W x 77 cm D. The armrest top shall be molded from

polyurethane, and shall be upholstered with pure leather and mounted on ot a drop lift adjustable type tubular armrest support made up of $\varnothing 3.81 \pm 0.03$ cm x 0.2 ± 0.01 cm thick MS ERW tube having chrome plated finish. The armrest height shall be adjustable upto 6.5 ± 0.5 cm in 5 steps. The adjustable tilting mechanism shall be designed with the 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 options of variable tilt angle to the chair, seat/back tilting ratio 1:2, the mechanism housing is made up of HPDC aluminum black powder coated. Seat depth adjustment shall be integrated in the seat through a sliding mechanism. Seat depth adjustment range shall be 6.0 ± 0.5 cm. Back frame shall be connected to the up/down mechanism housed in plastic T spine. It can be adjusted in the range of 7.42 ± 0.5 cm for the comfortable back support to suit individual need. the pneumatic height adjustment shall have an adjustment stroke of 10 ± 0.3 cm. The pedestal shall be high pressure die cast polished aluminum and fitted with 5 nos. of twin wheel castors. The pedestal shall be 65.0 ± 0.5 cm pitch center dia. 5 nos. of twin wheel castors shall be injection molded in plastic having 6.0 ± 0.1 cm wheel diameter and assembled to pedestal. **Chair as approved by engineer in-charge/employer.**

10. Visitor Chair (Office Table)



Providing and placing in position Visitors. The cushioned seats shall be made of injection molded plastic outer and inner. Plastic inner shall be upholstered with pure leather and molded high resilience polyurethane foam of Density = 45 ± 2 kg/m³, and hardness load 16 ± 2 kgf as per IS:7888 for 25% of compression. Seat size shall be 47.6 cm W x 49.2 cm D. The back shall be cushioned and shall be made up of PU foam with insitu molded MS ERW round tube of size 1.9 ± 0.03 cm x 0.16 ± 0.0128 cm, upholstered with pure leather. Back size shall be 47.5 cm W x 77 cm D. The tubular frame shall be cantilever type and made of $\varnothing 2.54 \pm 0.03$ cm x 0.2 ± 0.016 cm thick SS 202 tube. The back shall be connected to the frame through chrome plated high pressure die cast connector piece. Visitor **chair as approved by engineer in-charge/employer.**

11. High Back Chair (Main Table)



Supply and installation of Chair as per technical specification. The seat shall be made up of 1.2 +/- 0.1 cm thick hot-pressed plywood & upholstered with leather and molded polyurethane foam. The back shall be designed with contoured lumber support for extra comfort. Size of back shall be W-53cm, H-95.4cm & size of seat shall be W-54.6cm x D-49cm. High Resilience (HR) foam should be used in making seat & back which shall be molded with density 45 +/- 2 kg/m³ and hardness load 16 +/- 2 kgf as per IS: 7888 for 25% compression. The seat and back should be arrested together with spine made of 0.8 +/- 0.05 cm thick HR steel and should be powder coated in black with 40–60-micron DFT (Dry film thickness). The armrest assembly should be made up of armrest tube, PU armrest and the armrest top. The armrest tube assy. shall be made of 2.54 +/- 0.03cm x 0.16 +/- 0.0128 cm M.S E.R.W support tubes and chrome plated. The P.U armrest shall be made up of black integral skin polyurethane with 50-70 shore 'A' hardness reinforced with M.S insert. The armrest top shall be made up of ABS & upholstered with foam & leather. It shall have front Pivot synchro tilt mechanism. The mechanism of the chair shall have following features : 360° revolving type, Knee Tilt system, Seat & back tilting ration of 1: 1.5, Front pivot for tilt with feet resting on ground ensuring more comfort, Tilt tension adjustment, 5-position locking with antilock back mechanism which should prevent the backrest from impacting the user when the lock is released, Static seat depth adjustment 5.0 +/- 0.5cm with 5 position locking. The chair shall be provided with pneumatic height adjustment which shall have stroke of 9.0 +/- 0.3 cm. The bellow should be single piece duly blow molded in black polypropylene. The pedestal shall be made of die-cast aluminum with buffing finish. it shall be fitted with 5 nos twin wheel castor. The size of the pedestal shall be 67.0 +/- 0.5 cm pitch-centre-dia (77.0 +/- 1.0 cm with castors). The twin wheel castors shall be made of Nylon injection molded in black color. Overall dimensions of Chair shall be, Width of Chair - 77cm, Depth of Chair - 77 cm as measured from pedestal below.

Height of back from ground - min 128.0 to max 137.0 cms. Seat height - min 49.9cm to max 58.9 cm. Dimensions tolerance / variations shall be within +/- 1 cm. Chair as approved by engineer in-charge/employer.

12. Revolving Visitor Chair (Main Table)



Supply Installation of Revolving Mid Back Chair Dimension: Back: (W) 53 cm x (H) 80 Cm, Seat : (W) 54.6 cm x (D) 49 cm, Overall Dimensions of Chair: Seat Height - min 49.9 to max 58.9 cm., Back Height - min 113.5 to 122.5 cm., Width & Depth of Chair as measured from pedestal - Width 77 cm and Depth 77 cm Supplying and placing in position chair of the following specifications. The seat shall be made up of 1.2 +/- 0.1 cm thick hot-pressed plywood & upholstered with leather and molded polyurethane foam. The back shall be designed with contoured lumber support for extra comfort. Size of back shall be W-53cm, H-80cm & size of seat shall be W-54.6cm x D-49cm. High Resilience (HR) foam should be used in making seat & back which shall be molded 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 seat and back should be arrested together with spine made of $0.8 \pm 0.05 \text{ cm}$ thick HR steel and should be powder coated in black with 40-60-micron DFT (Dry film thickness). The armrest assembly should be made up of armrest tube, PU armrest and the armrest top. The armrest tube assy. shall be made of $2.54 \pm 0.03 \text{ cm} \times 0.16 \pm 0.0128 \text{ cm}$ M.S E.R.W support tubes and chrome plated. The P.U armrest shall be made up of black integral skin polyurethane with 50-70 shore 'A' hardness reinforced with M.S insert. The armrest top shall be made up of ABS & upholstered with foam & leather. The mechanism of the chair shall have following features: 360° revolving type, Knee Tilt system, Seat & back tilting ration of 1: 1.5, Front pivot for tilt with feet resting on ground ensuring more comfort, Tilt tension adjustment, 5-position locking with antilock back mechanism which should prevent the backrest from impacting the user when the lock is released, Static seat depth adjustment $5.0 \pm 0.5 \text{ cm}$ with 5 position locking. The chair shall be provided with pneumatic height adjustment which shall have stroke of $9.0 \pm 0.3 \text{ cm}$. The bellow should be single piece duly blow

molded in black polypropylene. The pedestal shall be made of die-cast aluminum with buffing finish. it shall be fitted with 5 nos. twin wheel castor. The size of the pedestal shall be 67.0 +/- 0.5 cm pitch-centre-dia (77.0 +/- 1.0 cm with castors). The twin wheel castors shall be made of Nylon injection molded in black color. Overall dimensions of Chair shall be, Width of Chair - 77cm, Depth of Chair - 77 cm as measured from pedestal below. Height of back from ground - min 113.5 to max 122.5 cms. Seat height - min 49.9cm to max 58.9 cm. Dimensions tolerance / variations shall be within +/- 1 cm. **Mid back chair as approved by engineer in-charge/employer.**

13. 3-Seater Sofa



Three-Seater Sofa • SEAT FOAM: The seat is made of PU foam with Density 28 ± 2 kg/cu. mtr 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. mtr with two additional top layers of super soft foam of density 32 ± 2 kg/cu. mtr, upholstered with fabric or leatherette. Backrest Cushion Thickness ± 3 (mm): 175mm

- 3) UNDERSTRUCTRE: Understructure 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 understructure for cushioning purpose 6 nos. per seat & 3.8 mm Dia zigzag spring assembly is mounted over understructure 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.

14. 2-Seater Sofa



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. mtr with two additional top layers of super soft foam of density 32 ± 2 kg/cu. mtr, upholstered with fabric or leatherette. Backrest Cushion Thickness ± 3 (mm): 175mm

- 3) UNDERSTRUCTRE: Understructure 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 understructure for cushioning purpose 6 nos. per seat & 3.8 mm Dia zigzag spring assembly is mounted over understructure 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.

15. Center Table



supplying and Installation of center table of size: 1200mmW X600mmD X400mmH, top made of 36mm thick ISI marked Laminated HDHMR Board (High Density High Moisture Resistant Board, Borer Resistance, and Termite Resistance)and veneer with PU finish having scratch resistance of 2H, table finished with approved shade. with all exposed edges sealed with 2mm thick PVC edge banding tape and unexposed edges sealed with 0.6mm 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 60mm X 45mm with 1.6 mm thickness, Make of All Hardware like (Handles, Slides, Hinges, locks, sliding channel, Dowels & Mini fix etc) Hettich/Ebco or equivalent or as approved by engineer in-charge/employer, Make of HDHMR Board and laminate: (Century/Action Tesa/Merino/Greenply or as approved by engineer in-charge/employer)Center Table: as approved by Engineer In Charge/employer.

16. Corner Table



supplying and Installation of corner table of size: 500mmW X500mmD X400mmH, top made of 36mm thick ISI marked Laminated HDHMR Board (High Density High Moisture Resistant Board, Borer Resistance, and Termite Resistance) and veneer with PU finish having scratch resistance of 2H, table finished with approved shade. with all exposed edges sealed with 2mm thick PVC edge banding tape and unexposed edges sealed with 0.6mm 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 60mm X 45mm with 1.6 mm thickness, Make of All Hardware like (Handles, Slides, Hinges, locks, sliding channel, Dowels & Mini fix etc) Hettich/Ebco or equivalent or as approved by engineer in-charge/employer, Make of HDHMR Board and laminate: (Century/Action Tesa/Merino/Greenply or as approved by engineer in-charge/employer), Corner Table: as approved by Engineer In Charge/employer.

GUEST HOUSE FUNITURE

17. RECEPTION TABLE



Providing & Placing of Rectangular shape reception table of size Depth: 750mm x1200mm/750Hmm with two tops. Reception counter cladded with 122 mm thick solid surface. The shape desired to be achieved through 25 mm thick ISI mark Laminated HDHMR Board (High Density High Moisture Resistant Board, Borer Resistance, and Termite Resistance)0.8 mm thick High Gloss Laminate shall be used on both side with approved make and Color, E1 grade laminate with zero urea formaldehyde emissions ($\leq 8\text{mg}/100\text{ g oven dry board-perforated method}$) for better in-house quality. This should comply with (EN 120-1992). All Exposed edges of 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, cladded with 12mm thick Corian sheets length 1000-1100mm thermoformed by using dyes and molds and pasted and seamlessly finished over.

MS pipe framework to be used for strengthening the structure. The item includes cost of 12mm thick CORIAN. 25 mm 25 mm thick ISI mark Laminated HDHMR Board& MS square pipe, hardware, drawer units, shutter doors with laminated mica or veneers, locking mechanism, foot rest etc. as per architect's drawing and finished as per guidelines of site in charge. Product should be BIFMA gold rated SCS global certified for in house air quality and with 5 years warranty. the entire structure shall be made of 25 mm thick 25 mm thick ISI mark Laminated HDHMR Board with MS frame work with finish of 1 mm thick laminate, All the edges are sealed with 2 mm thick PVC edge band all around, All the inner surfaces shall be finished with 1mm thick white laminate, 3 no. Computer key board tray shall be provided. 3 nos. drawer cabinet shall be provided with reception counter with locking arrangement, Height of drawers shall be 120mm, 120mm and 350mm. width: 450 mm , height: 680 mm, Drawer shall be made of 18 mm thick marine plywood with finish of 1 mm thick laminate, All the edges are sealed with 2 mm thick PVC edge band all around. Each drawer shall slide on a pair of telescopic drawer sliders (Approved make). The inside portion of drawer to be finished with white laminate. provided double Front panel to mount Electrical Switches and sockets, Make of All Hardware like (Handles, Slides, Hinges, locks, sliding channel, Dowels & Mini fix etc) Hettich/Ebco or equivalent or as approved by engineer in-charge/employer, Make of HDHMR Board and laminate: (Century/Action Tesa/Merino/Greenply or as approved by engineer in-charge/employer) Reception Counter as approved by engineer in-charge/employer.

18. RECEPTION 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 molded

plastic outer & inner. Plastic inner is upholstered with leatherette and molded high resilience polyurethane foam of density $45 \pm 2 \text{ kg/m}^3$, & hardness load of $16 \pm 2 \text{ kgf}$ as per IS:7888 for 25% compression. Seat Size is 47.0 W cm x 48.0 D cm. The back is cushioned made of PU foam with in situ molded M.S. ERW round tube of size $1.9 \pm 0.03 \text{ cm} \times 0.16 \pm 0.0128 \text{ cm}$, upholstered with leatherette. The back size is 47.7 W cm x 76.4 D cm. The armrest top is molded 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 aluminum 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 aluminum & fitted with 5 nos. of twin wheel castors. The pedestal is $65.0 \pm 0.5 \text{ cm}$ pitch center 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. **Chair as approved by engineer in-charge/employer.**

19. 2 SEATERS SOFA



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

• 2) BACK FOAM: The back is made of PU foam with Density $28 \pm 2 \text{ kg/cu. mtr}$ with two additional top layer of super soft foam of density $32 \pm 2 \text{ kg/cu. mtr}$, upholstered with fabric or leatherette. Backrest Cushion Thickness $\pm 3 \text{ (mm)}$: 175mm

- 3) UNDERSTRUCTRE: Understructure 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 understructure for cushioning purpose 6 nos. per seat & 3.8 mm Dia zigzag spring assembly is mounted over understructure 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.

20. DINING TABLE 4 SEATR



Supply and Installation of PU Coated 4-Seater Dining Table size shall be 1200mm Width x1100mmDepth x 750mm Height. Top shall be 25 mm thick base material shall be 25 mm MDF board On top PU painting of minimum 2H hardness with 75% glass as per color chart. Combination color graphics on the center. Brown Laminate on bottom specially profiled edges for comfort. The Understructure shall be having bend pipe structure of MS powder coated. Pipe diameter 38 mm, 2 mm thick and it shall be fitted with top by SS machine screws . Legs shall be of MS powder coated and 38 mm dia. pipe legs are fixed with understructure and table top. Glide shall be of Plastic fixed at the understructure to prevent the damage of table top during stacking, Make of All Hardware like (Handles, Slides, Hinges, locks, sliding channel, Dowels & Mini fix etc) Hettich/Ebco or equivalent or as approved by engineer in-charge/employer, Make of HDHMR Board and laminate: (Century/Action Tesa/Merino/Greenply or as approved by engineer in-charge/employer), Dining Table as approved by engineer in-charge/employer.

21. DINING CHAIR



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

22. KING BED WITH STORAGE



Providing and placing of double wooden Bed size: 1050 mm Height, 1830mm width, 2160 mm length ($\pm 10\%$ 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 double Bed box all four sides (Head board, Tail Board) and bottom panel 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, Mattress panels of Bed are made of 25 mm thick ISI marked Commercial plywood (Moisture Resistant grade plywood) faced with 1.0 mm thick laminate on both sides of approved shade. The height of box shall be 380mm. Height of Head board: 1050 mm, Width of Head board: 1830mm and Height of foot board: 450 mm and Width of Foot Board: 1830 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 ($\pm 10\%$). Make of All Hardware like (Handles, Slides, Hinges, locks, sliding channel, Dowels & Mini fix etc) Hettich/Ebco or equivalent or as approved by engineer in-charge/employer, Make of PLY Board and laminate: (Century/Action Tesa/Merino/Greenply or as approved by engineer in-charge/employer)The double bed with box should be complete as per sample approved & as per direction of Engineer-in-charge/employer.

23. SIDE 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. Make of All Hardware like (Handles, Slides, Hinges, locks, sliding channel, Dowels & Mini fix etc) Hettich/Ebco or equivalent or as approved by engineer in-charge/employer, Make of PLY Board and laminate: (Century/Action Tesa/Merino/Greenply or as approved by engineer in-charge/employer), **SIDE TABLE as approved by engineer in-charge/employer.**

24. Wooden Storage. (2100 MM Height)



Supply and Installation of Conference room cabinet, Size of Cabinet: Width of unit: 915 mm (± 10 mm), Height of cabinet 2100 MM (± 10 mm), Depth of cabinet: 480MM (± 10 mm), Material of cabinet (Doors, back and side): 18 mm thick ISI marked Laminated HDHMR Board (High Density High Moisture Resistant Board, Borer Resistance, and Termite Resistance) 0.8 mm thick High Gloss Laminate shall be used on both side with approved make and Color, E1 grade laminate with zero urea formaldehyde emissions (≤ 8 mg/100 g oven dry board-perforated method) for better in-house quality. This should comply with (EN 120-1992). All Exposed edges of 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, Material thickness of drawer/ /compartment shelves ± 2 mm: 25 MM, Bottom Skirting Thickness: 25 mm, Number of compartments: 5 compartment, Number of Shelves: 4 Nos. Type of doors: Open able door with help of handles with cam lock. Number of doors: 2 Nos. Handles, lock and hinges for Drawer/Compartment shall be Corrosion Resistance Metal, Make of All Hardware like (Handles, Slides, Hinges, locks, sliding channel, Dowels & Mini fix etc) Hettich/Ebco or equivalent or as approved by engineer in-charge/employer, Make of HDHMR Board and laminate: (Century/Action Tesa/Merino/Greenply or as approved by engineer in-charge/employer)**Wooden storage as approved by engineer in-charge/employer.**

25. TV Unit



TV Unit 5 Feet Length, 2 Feet width, 2.5 Feet Height, Providing and installation of wooden Modular TV unit with four drawers and open shelf unit with overall size as mentioned above. The all-body panels and shelf shall be made of 18 mm thick ISI marked Laminated HDHMR Board (High Density High Moisture Resistant Board, Borer Resistance, and Termite Resistance) 0.8 mm thick High Gloss Laminate shall be used on both side with approved make and Color, E1 grade laminate with zero urea formaldehyde emissions ($\leq 8\text{mg}/100\text{ g}$ oven dry board-perforated method) for better in-house quality. This should comply with (EN 120-1992). All Exposed edges of 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, Top shall be made of 30 mm thick ISI marked Laminated HDHMR Board (High Density High Moisture Resistant Board, Borer Resistance, and Termite Resistance) and assembled with batten of same thickness combined edge banded to form overall thickness of 30mm on edges. 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, the overall length of the TV unit is divided in three equal parts for provision of drawers and open shelf unit. The four drawers of equal sizes are located at both the end and open shelf at the center of the unit. The drawer panels and Drawer Facia are made up of 15mm thick ISI marked Laminated HDHMR Board (High Density High Moisture Resistant Board, Borer Resistance, and Termite Resistance). The drawer bottom and back panel of TV unit is made up of 12 mm thick ISI marked Laminated HDHMR Board (High Density High Moisture Resistant Board, Borer Resistance, and Termite Resistance). The Drawers are provided with decorative SS finished handles of 160mm Center Distance. All drawers are mounted on telescopic ball bearing slides. All Wooden panel are stained to pass 4H test of scratch resistivity, Make of All Hardware like (Handles, Slides, Hinges, locks, sliding channel, Dowels & Mini fix etc) Hettich/Ebco or equivalent or as approved by engineer in-charge/employer, Make of HDHMR Board and laminate: (Century/Action

Tesa/Merino/Greenply or as approved by engineer in-charge/employer)TV Unit as approved by engineer in-charge/employer.

26. Center Table



supplying and Installation of center table of size: 1200mmW X600mmD X400mmH, top made of 36mm thick ISI marked Laminated HDHMR Board (High Density High Moisture Resistant Board, Borer Resistance, and Termite Resistance) and veneer with PU finish having scratch resistance of 2H, table finished with approved shade. with all exposed edges sealed with 2mm thick PVC edge banding tape and unexposed edges sealed with 0.6mm 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 60mm X 45mm with 1.6 mm thickness, Make of All Hardware like (Handles, Slides, Hinges, locks, sliding channel, Dowels & Mini fix etc) Hettich/Ebco or equivalent or as approved by engineer in-charge/employer, Make of HDHMR Board and laminate: (Century/Action Tesa/Merino/Greenply or as approved by engineer in-charge/employer). Center Table: as approved by Engineer In Charge/employer.

27. Corner Table



supplying and Installation of corner table of size: 500mmW X500mmD X400mmH, top made of 36mm thick ISI marked Laminated HDHMR Board (High Density High Moisture

Resistant Board, Borer Resistance, and Termite Resistance) and veneer with PU finish having scratch resistance of 2H, table finished with approved shade. with all exposed edges sealed with 2mm thick PVC edge banding tape and unexposed edges sealed with 0.6mm 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 60mm X 45mm with 1.6 mm thickness, Make of All Hardware like (Handles, Slides, Hinges, locks, sliding channel, Dowels & Mini fix etc) Hettich/Ebco or equivalent or as approved by engineer in-charge/employer, Make of HDHMR Board and laminate: (Century/Action Tesa/Merino/Greenply or as approved by engineer in-charge/employer). Corner Table: as approved by Engineer In Charge/employer.

28. Refrigerator (300 Litre)



Providing and fixing the Refrigerator of 300Ltrs, Type of Door : Double Door, Insulation : Puff, Built in Voltage Stabilizer , Method of Defrosting: Frost Free, Eco-friendly refrigerant: Yes, Power saver Compressor, Voltage Range at 43 degree Centigrade (Volts): 230 (tolerance 10%), Coil Material: Copper (Cu), Type of Finish: Metallic, Color: as per buyer choice, brand - Hitachi/WHIRLPOOL/Samsung or equivalent. **Refrigerator:** as approved by Engineer In Charge/employer.

29. LED Smart TV 55 Inch



Supply and Installation of LED Smart TV, Screen Size: 55 Inch, Approved brand: Sony or As approved by engineer in-charge/Employer.

SCREEN SIZE (CM, MEASURED DIAGONALLY): 164 cm

Resolution: 4K Ultra HD (3840 x 2160) | Refresh Rate: 120 hertz | Smart Full Array LED

Connectivity: 4 HDMI ports to connect set top box, Blu Ray players, gaming console | 2 USB ports to connect hard drives and other USB devices

Sound: 30 Watts Output | Acoustic Multi-Audio | Sound Positioning Tweeters | Full Range (Bass Reflex) | Dolby Atmos | Ambient Optimization | Voice Zoom3

Smart TV Features: Google TV | Watchlist | Ok Google | Google Play | Chromecast | Built In Mic | BRAVIA CAM Support | Variable Refresh Rate & Auto Low Latency Mode | Additional Features: Apple Airplay | Apple Homekit | Alexa | Gesture Control

Display: XR Cognitive Processor | 4K HDR | 4K 120 | XR Triluminos pro | XR Clear Image | XR Contrast booster | XR 4K Upscaling | XR Motion Clarity

Wi-Fi Standard: Wi-Fi Certified 802.11a/b/g/n/ac

WI-FI FREQUENCY: 2.4 GHz/5 GHz (for Wi-Fi Direct: 2.4 GHz Only)

Bluetooth profile support: Version 4.2, HID (mouse/keyboard connectivity)/HOGP (Low Energy device connectivity)/SPP (Serial Port Profile)/A2DP (stereo audio) /AVRCP (AV remote control)

Warranty: 1-year Comprehensive warranty by the manufacture from the date of purchase | Contact Brand toll free number for assistance and provide product's model name and seller's details mentioned on your invoice. The service center will allot you a convenient slot for the service.

Approved brand: Sony or As approved by engineer in-charge/Employer.

30. Stainless Steel Dustbin



providing and placing of Stainless-steel Dustbin (Grade SS-202) with Lid and handle, Dimension of dustbin is 10"X 14", capacity of dustbin is 15 Liters, Material: Non-Magnetic Stainless Steel 202, Thickness of dustbin wall is 1.0 mm, dustbin lid shall be leg operated, SS dustbin as approved by Engineer in-charge/Employer.

31. 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 aluminum extruded rail made up of high strength aluminum 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 color.

Roller Tube: This is made up of High Strength Aluminum 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 molding 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 center shaft. Sleeve provide bearing surface for center 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 aluminum bottom bar having powder coating of 55 microns and wall thickness of ± 1.2 mm (± 0.1) and width of 26.5mm(± 1 mm) and height of 33.5mm(± 1 mm) and weight: 380gm/mtr ($\pm 5\%$). All bottom rails should come with powder coated finish with an end cover perfectly in matching with the fabric.

Bottom bar also includes concealed bottom bar rod to allow fabric to roll as per duplex guidelines and dimensions of concealed bottom bar rod specified as inner diameter:

10.8mm, outer diameter: 14.8mm, Weight: 219gm/mtr, 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. Aluminum bottom bar rod made up of AA6063 alloy having Rod I/D: 10.8mm, O/D:14.8mm, Weight: 219gm/mtr, Thickness: 1mm ($\pm 5\%$) with the covered matching.

Bottom bar end caps: End caps of bottom bar should be made up of ABS material using Injection moulding method having perfect push fit with the bottom bar. The dimensions of end caps of bottom bar specified as length: 18mm, width: 27.5mm, height: 34.5mm, thickness 2mm and end caps of bottom bar should also have polyurethane bush to fit in bottom tube for smooth operation of blinds.

Operating chain: Blinds set is to be driven by a ball chain pulley and ball chain and can be positioned at Right hand or Left-hand side of the blinds set. This is made of 4.5 mm plastic beads molded on 2.0 mm thick polyester cord. The chain drives the sprocket fixed in the end control unit to close and open the blind. The pitch of the chain corresponds to the sprocket in perfect match for trouble free operation. Average number of balls on chain should be 50 per foot length. Plastic chain should provide ease in operation with chain connector and polycarbonate stopper of O/D:6mm & I/D: 4mm to avoid reverse rolling of fabric over tube and protecting damages to blind fabric.

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

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

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

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

32. water Cooler



Supply, installation, testing & commissioning of Drinking Water Cooler with ISI marked, Storage type, Drinking water cooler conforming to IS:1475 (Part 1): 2001, latest, Cooling capacity (in litres / hour): 40 Ltr/hour, Storage capacity (in liters): 80 Liters, Input voltage: 230/240 Volt, 50 Hz, AC, Single Phase, Provision of connecting cable: 5 m length of 3 core cable conforming to IS:9968 (Pt.1) or IS:694 provided, Material of drinking water cooler body: Fully SS 304 grade with ≥ 0.6 mm thickness, Material of water storage tank sheet: SS Grade 304 with 0.6 mm thickness, Water Tank cover lid and bottom Sheet material: Epoxy Painted Galvanized iron sheet, Warranty on Machine (in Years): 1 year, Warranty on Compressor (in Years): 1 Year, Agreed to furnish all the test reports and certificates to buyer on demand: yes, MAKE:Voltas/Blue star or as equivalent. approved by Engineer/Employer

33. Water purifier RO (Reverse Osmosis)



Maximum Input Water TDS allowed to the system	3000
Type of water purification technology	RO +UV
Availability of sediment and activated carbon filter	Yes
Operation	Fully automatic with auto cut off
Ultraviolet (UV) LAMP	Yes
Conformity to Standard for Ultraviolet system	IS 14724 (latest) for water purification system with Ultraviolet disinfection
"Ultra Voilet (UV) Lamp power in watts (Hint put zero in case UV is not available)"	12
Recovery at 27 degree Centigrade	25-35
Output Water Conforming standard	IS 10500 (latest)
Filtration Capacity in liter/ hour	100
Provision of Arsenic removal	Yes
Provision of Floride removal	Yes
Provision of Chloride removal	Yes
Alkaline filter	Yes
Storage tank	Available
Storage Tank Capacity (storage tank external for higher capacity if required to be arranged by supplier)	Storage tank 50 Litre to be arranged by Seller
Minimum inlet pressure	0.3 KG/CM2
Maximum inlet pressure	3.5 KG/CM2
Maximum inlet temperature	35 DEGREE
Digital display	Yes
Real time TDS display	No
Real time pH Display	No
High pressure pump	Yes
Raw water/Chemical Raw water/Chemical Cleaning PUMP	Yes
Micron Filter	Yes
Total Dissolved Solids Removal Percentage from RO Membrane	50%
Particulate Filter Porosity	5 micron
Pressure vessel Sand Filter	Yes

Pressure vessel carbon Filter	Yes
Pressure Vessel Dual Media Filter	Yes
Membrane Housing	Yes
Body of filter	ABS Food grade
Auto cut	Yes
Number of candles	4
Power supply	230 Volt single phase
Installation Type	Floor Mounted

Miscellaneous Parameters

Warranty in years including replacement of filters Sediment & carbon twice a year)	1
Warranty in years free replacement of machine	1
Antiscalant- where silica is up to 10 ppm/where Mica is up to 100 ppm	Yes
Availability of type test Test REPORT for Filtering Size of micron Particles	Yes
Availability of test report from Govt./NABL/ilac Lab (Design Evolution Report as per IS:14724	Yes
Copies of certifications and reports to be given to buyer at time of supplies	Yes
User/Technical/Maintenance manuals to be supplied in English in hard and soft copy	Yes
Installation and commissioning inclusive in the scope of Supply*	Yes
Inlet Pipe & Fitting from raw water sources to water purification system	suitable pipe and fitting to be provided by seller up to 25 feet
Pipe & Fitting from Out let to purified water tank	To be arranged by supplier (up to 25 ft)
Electrical fitting and plug points	To be arranged by supplier
Scope Civil Work if any required during installation	All Civil work shall be responsibility of supplier

Make KENT/Blue star/LIVPURE/AQUAGUARD or as equivalent approved by Engineer/Employer

34. LED Smart TV 43 inch.



Supply and Installation of LED Smart TV, Screen Size: 43Inch, Approved brand: Sony or As approved by engineer in-charge/Employer.

Supply and Installation of 108 cm (43) 4K Ultra HD Smart LED Google TV, Approved brand: Sony or As approved by engineer in-charge/Employer.

SCREEN SIZE (CM, MEASURED DIAGONALLY): 108 cm

Resolution: 4K Ultra HD (3840 x 2160) | Refresh Rate: 120 hertz | Smart Full Array LED

Connectivity: 4 HDMI ports to connect set top box, Blu Ray players, gaming console | 2 USB ports to connect hard drives and other USB devices

Sound: 30 Watts Output | Acoustic Multi-Audio | Sound Positioning Tweeters | Full Range (Bass Reflex) | Dolby Atmos | Ambient Optimization | Voice Zoom3

Smart TV Features: Google TV | Watchlist | Ok Google | Google Play | Chromecast | Built In Mic | BRAVIA CAM Support | Variable Refresh Rate & Auto Low Latency Mode | Additional

Features: Apple Airplay | Apple HomeKit | Alexa | Gesture Control

Display: XR Cognitive Processor | 4K HDR | 4K 120 | XR Triluminos pro | XR Clear Image |

XR Contrast booster | XR 4K Upscaling | XR Motion Clarity

Wi-Fi Standard: Wi-Fi Certified 802.11a/b/g/n/ac

WI-FI FREQUENCY: 2.4 GHz/5 GHz (for Wi-Fi Direct: 2.4 GHz Only)

Bluetooth profile support: Version 4.2, HID (mouse/keyboard connectivity)/HOGP (Low Energy device connectivity)/SPP (Serial Port Profile)/A2DP (stereo audio) /AVRCP (AV remote control)

Warranty: 1-year Comprehensive warranty by the manufacture from the date of purchase |

Contact Brand toll free number for assistance and provide product's model name and

seller's details mentioned on your invoice. The service center will allot you a convenient slot for the service.

Approved brand: Sony or As approved by engineer in-charge/Employer.

35. Refrigerator (100 liter)



Providing and fixing the Refrigerator of 100Ltrs, Type of Door : Single Door, Insulation : Puff, Built in Voltage Stabilizer , Method of Defrosting: Frost Free, Eco-friendly refrigerant: Yes, Power saver Compressor, Voltage Range at 43 degree Centigrade (Volts): 230 (tolerance 10%), Coil Material: Copper (Cu), Type of Finish: Metallic, Color: as per buyer choice, brand - Hitachi/WHIRLPOOL/Samsung or equivalent. **Refrigerator:** as approved by Engineer In Charge/employer.

36. Single Wooden Bed with Box.



Providing and placing of single wooden Bed size: 900mm Height, 990mm width, 2060 mm length ($\pm 5\%$ 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: 900 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 ($\pm 10\%$). Make of All Hardware like (Handles, Slides, Hinges, locks, sliding channel, Dowels & Mini fix etc) Hettich/Ebco or equivalent or as approved by engineer in-charge/employer, Make of PLY Board and laminate: (Century/Action Tesa/Merino/Greenply or as approved by engineer in-charge/employer) The single bed with box should be complete as per sample approved & as per direction of Engineer-in-charge/employer.



Supply and installation of Foam/Rubberized 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 Rubberized Coir Foam: Shall meet the requirement of IS 8391 Latest, Durability Test for PU Foam as per: IS 7933 Latest, Resistance to Flexing for Rubberized 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/Kurl on or mattress as approved by engineer in-charge/employer.

37. Modular Kitchen Under counter storage



Carcass: (Depth of under counter storage: 550 mm to 650 mm)

All Side, Top, Bottom and Back panels, to be made in 18mm thick Pre laminated HDHMR Board (High Density High Moisture Resistant Board) with 2mm matching edge banding on all sides. Holes for the Sink and Faucet are to be provided as per drawing and in alignment with the holes in the Granite Platform. The carcass is at an elevation of about 100mm from the floor. Adjustable leveling screws fitted at the bottom of carcass. This shall be covered with a standard PVC skirting. Internal dividers and Shelves to be made in 18mm thick Pre laminated HDHMR Board (High Density High Moisture Resistant Board) with 2mm matching edge banding on all sides. All Shutters, Drawer Facia shall be made in High

Density High Moisture resistance Fiber board (Pre laminated HDHMR) with High Gloss pvc Foil. Drawers and Pull-outs: Tandem Box for Shutter height 348mm with Partition with Vertical and lateral partitions; tandem box length 500MM; Weight load capacity-65 Kg. Min.; Material-M. S with white powder coating; High grade nylon rollers in Tandem runners. Tandem Box for Shutter height 138mm; tandem box length 500MM; Weight of Tandem Box system 3 KG Consist of Drawer side, BlueMotion cabinet profile, wooden back fixing bracket white, Tambox Front Fixing Bracket inserta version, rectangular Cover cap back; Weight load capacity-30 Kg. Min.; Material-M.S with white powder coating; High grade nylon rollers in Tandem runners. Tandem Box for Shutter height 208mm; tandem box length 500MM; Weight of Tandem Box system 3.1 KG Consist of Drawer side, BlueMotion cabinet profile, wooden back fixing bracket white, Tam box Front Fixing Bracket inserta version, rectangular Cover cap, Gallery MS Powder coated; Weight load capacity-65 Kg. Min.; Material-M.S with white powder coating; High grade nylon rollers in Tandem runners. Spice & Oil Bottle Pull Out; Shutter Height 700mm; Pull out with soft closing; RAL 9006 (Silver Grey); Finish-Anti corrosive ;02 fixed trays;3 D adjustment; Weight-2300 gm. Min. without channel. Cutlery tray suitable for cabinet width 900mm; Weight-Min. 1000gm.; Material Polystyrene. Tandem Box, Cutlery tray and Bottle Pullout shall be made up of Hettich or equivalent. Drawers and Pull-outs Fascia to be made in 18mm thick Prelaminated HDHMR Board (High Density High Moisture Resistant Board) high gloss PVC foil; and fitted with Hettich Stabia anodized aluminum handle 0115021 (length 140mm) Hinged Shutter: to be made in 18mm thick Prelaminated HDHMR with 2mm matching edge banding on all sides; and fitted with Hettich Stabia anodized aluminum handle 0115021 (length 140mm). Make of All Hardware like (Handles, Slides, Hinges, locks, sliding channel, Dowels & Mini fix etc) Hettich/Ebco or equivalent or as approved by engineer in-charge/employer, Make of HDHMR Board and laminate: (Century/Action Tesa/Merino/Greenply or as approved by engineer in-charge/employer), Kitchen Under counter storage approved by engineering in-charge/employer

38. Modular Kitchen overhead storage



Carcass :- (Depth of overhead storage: 450 mm to 480 mm) All Side, Top, Bottom and Back panels, including Internal dividers and Shelves, to be made in 18mm thick Prelaminated HDHMR Board (High Density High Moisture Resistant Board) with 2mm matching edge banding on all sides. Internal dividers and Shelves to be made in 18mm thick Prelaminated HDHMR with 2mm matching edge banding on all sides. Hinged Shutter: to be made in 18mm thick Prelaminated HDHMR Board (High Density High Moisture Resistant Board)

high gloss PVC foil; banding on all sides; and fitted with Hettich Stabia anodized aluminum handle 0115024 (length 236mm). Lamination: For Side Panels, Factory-pressed .8mm thick Laminate in high-gloss, scratch and abrasion proof finish to be used for all outer surfaces, and Factory-pressed 0.8mm thick Laminate in matt finish to be used for all inner surfaces. For Top and Back panels, Internal dividers and shelves, Factory-pressed 0.8mm thick Laminate in matt finish to be used for all surfaces. For Bottom Panels (for all shelves except Under-sink Shelf), Factory pressed 0.8mm thick Laminate in matt finish to be used for all surfaces. For Bottom panel of Under-sink Shelf, manually-pressed Checkered Aluminum foil Laminate shall be used for top and all sides, and factory-pressed Laminate in matt finish shall be used for the bottom surface. For Drawer Fascia and Hinged Shutter, Factory-pressed 0.8mm thick Laminate scratch and abrasion proof finish to be used for all outer surfaces, and Factory-pressed 0.8mm thick Laminate in matt finish to be used for all inner surfaces. For Drawer Fascia and Hinged Shutter, Factory-pressed 0.8mm thick Laminate scratch and abrasion proof finish to be used for all outer surfaces, and Factory-pressed 0.8mm thick Laminate in matt finish to be used for all inner surfaces. Laminates shall be made by Merino, Green ply, Century. All Laminates are to be applied only after approval of Laminate samples by Eng in-charge. **HARDWARE & FASTNERS** Hinges Stainless steel 304 metal soft closing hinges; 110 degree opening angle; Thickness /dia of hinge cup 11.3 mm/35mm respectively; suitable for door thickness-14-24mm; Material Steel; Finish-Nickle Plated;3-Dimensional Adjusting Facility; Weight- Approx.200 gm. for 2 Hinges plus two mounting plates plus SS Screws. Cylinder swing out Dust Bin(Capacity 13ltr) SS black with plastic cover, weight of dust bin - 800 GM. CASING MINIFIX of Zinc alloy material 15N / 18 MM NICKEL PLATED, ECONO-S BOLT MS GALVANISED CLIPON PLASTIC SLEEVE 15-24/5 ZINC PLATE.GLUE-IN DOWEL, PLASTIC, Ø10MM, LENGTH 12 MM. Skirting:- Double extrusion covered PVC Plinths with finish as per E/I, Height 100 mm ; Weight- Min. 275 grams per meter. Plinth Adjusting Foot, plastic, black, for plinth height 100 MM PC; Weight- Min. 45 grams per leg. Make of All Hardware like (Handles, Slides, Hinges, locks, sliding channel, Dowels & Mini fix etc) Hettich/Ebco or equivalent or as approved by engineer in-charge/employer, Make of HDHMR Board and laminate: (Century/Action Tesa/Merino/Greenply or as approved by engineer in-charge/employer), Kitchen Overhead storage approved by engineering in-charge/employer

39 Revolving Chair (Conference Table)



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 molded plastic outer & inner. Plastic inner is upholstered with leatherette and molded high resilience polyurethane foam of density $45 \pm 2 \text{ kg/m}^3$, & hardness load of $16 \pm 2 \text{ kgf}$ as per IS:7888 for 25% compression. Seat Size is 47.0 W cm x 48.0 D cm. The back is cushioned made of PU foam with in situ molded M.S. ERW round tube of size $1.9 \pm 0.03 \text{ cm} \times 0.16 \pm 0.0128 \text{ cm}$, upholstered with leatherette. The back size is 47.7 W cm x 76.4 D cm. The armrest top is molded 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 aluminum 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 aluminum & fitted with 5 nos. of twin wheel castors. The pedestal is 65.0 ± 0.5 cm pitch center dia. (75.0 ± 1.0 cm with castors). 5 nos. of twin wheel castors are injection molded in plastic having 6.0 ± 0.1 cm wheel diameter and assembled to pedestal. **Chair as approved by engineer in-charge/employer.**

40. Metal shelving Storage Rack



Supply and Installation of Slotted Angel Rack (Size: 1200mmW x480mmDx2100mmH (OPEN RACK)

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

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

Shelves shall be manufactured from 1.6 mm thick CRCA sheet with M.S angle size 45mmx45mmx 5.0 mm.

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

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

H/D Rubber bushes shall be provided to the bottom of legs of slotted angle racks. height of bottom shelves from ground is 100 mm. The quality of M.S sheet which is used for racks shall be free from any defects, Undulations, and old paints and surface corrosion, etc, Minimum Load bearing capacity of each shelf is 80- 100kgs. Steel Make : TATA Steel/ Sail Steel/Jindal Steel, Slotted Angel Rack as approved by engineer in-charge/employer.

41. Table for table tennis



Providing and placing of table for table tennis, Shape of the Table (Playing Surface): rectangular, top thickness of table : 15 mm, Length of the Table: 2.74 meter, Width of Table top: 1.525 meter, and Height of table tennis : 76 centimeter, Rectangular Frame Pipe Cross section (Length wise): 50 mm with 2mm wall thickness, Rectangular Frame Pipe Cross section (Width wise): 50mm with 2mm wall thickness, Cross Section Shape of Leg Pipe: Square, Leg Pipe: 25 mm with 2.5 mm wall thickness, Material of Frame and leg : Aluminum Alloy, Ball Bounce: Uniform bounce of about 23 cms when a standard ball is dropped on to it from a height of 30 cm, Number of Wheels: 08 Nos., Wheels with locking System: 4 Nos. Size of Wheels: 75 mm, Levelers Provided on Table Legs, Side Line and End Line: White, 2 cm wide, Central Line: White, 3 mm wide, dividing court into two equal halves, Table for table tennis confirming to Table Tennis Federation of India (TTFI), Make of table : Staq or equivalent and as approved by engineer in-charge/employer.

42. Carrom board Carrom Board (1 Nos.), Carrom board stand (1 Nos.), STRIKER and CARROMMEN



Supply and Installation of carrom board with Carrom board stand (1 Nos.), STRIKER and CARROMMEN as per IS 303-1960, Material Face board: the face board shall be made of BWR grade of plywood specified in IS 303-1960, the veneer face, that is the playing surface, shall be of white timber having close and compact grain so as to ensure a smooth surface. Frame: The frame shall be made of well seasoned teak wood , Reinforcement: the timber for Reinforcement shall be well seasoned teak wood, the four corner of carrom board shall be provided at the bottom with ledges or discs of rubber which will cushion the carrom board and take the wear, the rubber used shall be of good quality and shall not leave traces on the surface on which the carrom board placed.

Dimensions - Outside length (L1): 1030 mm, Inside length (L2):880mm, Height of wall of frame from the face board (h), Min: 22mm, Thickness of the face board (t). Min: 5mm, Distance between the wall and the outer base line (b): 100mm, Diameter of the pocket hole: 50 mm, Radius of curvature in case of quadrant shaped pocket hole (optional): 50mm

Where limits have not been specified, the maximum permissible deviation shall be 2 mm in the case of dimensions exceeding 50 mm and 0.5 mm in all other cases.

The face board shall be inserted not less than 10 mm uniformly on all sides into the frame

Marking on Face Board : Two base lines 25 mm apart shall be drawn parallel to the sides of the board, such that the distance between outer base line and the wall of the carrom board is as given in Table I. The two base lines shall end in two circles of 25 mm diameter and the ends shall be clear of the diagonals of the board by approximately 6 mm.

Four touch lines shall be drawn between ends of base lines 120 to 175 mm long such that when produced both ways, shall pass through the centre of the board and the centre of the pocket holes.

A centre circle for the red draught shall be drawn having a diameter of 29 mm. The outer circle shall have a diameter of 165 mm.

The ink used for marking on the face board should be of such a quality that it may not be rubbed out by constant use.

The carom board shall be marked with the ISI Certification Mark.

carom board Confirming To International:: National Federation Requirements That Is International Carom Federation (ICF):: All India Carom Federation (AICF).

carom boardas approved by engineer in-charge/employer

Carrommen



The Carrommen used in play shall be of good quality wood and circular in shape. The diameter of a Carromman shall not be more than 3.18 cm and not less than 3.02 cm. A Carromman shall be of not less than 0.70 cm and not more than 0.90 cm in thickness. The edge shall be round and plain. The weight of a Carromman shall not be less than 5.25 grams and not more than 5.50 grams. Thus there shall be nine white, nine black and one red Carrommen, and they shall be uniform. The Carrommen shall have a smooth movement in a flat position on the playing surface of the Carrom Board when struck by a striker of standard specifications.

STRIKER



The Striker shall be smooth and round with a diameter of not more than 4.13 cm and weighing not more than 15.00 gms. A Striker made of any material other than Ivory and metal, with the specifications prescribed above, may be used. A Striker, with metal fixed and visible to the eyes, shall not be allowed. Engraved decent designs on the striker are permissible.

Carrom Board Stand



The Stand or Table on which the Carrom Board is placed for play shall not be less than 63.00 cm and not more than 70.00 cm in height. The Carrom Board, when placed on it, shall not be uneven or shaky. However, padding below the Carrom Board and/or the Stand or Table on which the Carrom Board is placed, may be used to make the playing surface of the Carrom Board level and firm as far as possible. 1) High quality carrom stand which is compact, foldable and height adjustable 2) made of premium quality metal pipes, rust preventive coating and soft rubber base 3) innovative hydraulic design for smooth height adjustments and excellent load sharing. carrom board as approved by engineer in-charge/employer.

43. Horizontal refrigerator for cold storage room (2 to 8 degree Celsius) of 600 L Capacity.



Supply and Installation of refrigerator with 600 liter capacity, No of Door: two door, Position of Door: Top Opening, Door Type: Hinged type with air tight , Wheels: Yes , Method of Defrosting: Frost free, Type of cooling: Direct cooling, Lock: Lock provided in door, Material of chamber interior: Stainless steel 304, Material of chamber exterior:, Door Material: Polycarbonate Door Cooling Coil Material: Copper, Temperature Controller: provided, ON/OFF Switch; provided, Storage Chamber Temperature Display: provided, Storage Volume(Net Capacity)(Liters): 600, Overall length(mm): 1400mm, Over all width(mm): 600mm, Over all Height(mm): 700mm, Insulation Thickness(in mm): 60mm, Holdover Time(minute): 15, Eco-Friendly Refrigerator: Yes, Compressor: AC Rotating Compressor, Set temperature range(delta): 10, Minimum achievable Temperature At 32 degree Centigrade: -10°C, Voltage: Single Phase 230V, Brand : Voltas/Blue Star or as approved by engineer in charge/employer.

Budgetary Estimate of furniture work for CDSCO Baddi, Himachal Pradesh

Name of Agency:

S.NO	Name of Items	Unit	TOTAL QUANTITY	Rate per Unit inclusive of all taxes+ 3 year warranty	Amount in Rs.	ALL Images are Indicative only
1	Work Station	Each	48		-	
2	OFFICE TABLE-1	Each	15		-	
3	OFFICE MAIN TABLE-2	Each	1		-	
4	Confrence Table (50 Seater)	Each	50		-	
5	MEDIUM HEIGHT STORAGE	Each	46		-	
6	FULLHEIGHT STORAGE	Each	98		-	

7	MEETING TABLE (15 seater)	Each	15		-	
8	Workstation Chair/ Meeting Room Chairs	Each	63		-	
9	High Back Chair (Office Table)	Each	15		-	
10	Visitor Chair (Office Table)	Each	45		-	
11	High Back Chair (Main Table)	Each	1		-	
12	Revolving Visitor Chair (Main Table)	Each	5		-	
13	2 seater Sofa	Each	3		-	

14	3 seater Sofa	Each	4		-	
15	CENTER TABLE	Each	4		-	
16	CORNER TABLE	Each	7		-	
	GUEST HOUSE FUNITURE				-	
17	RECEPTION TABLE	Sqmt.	25		-	
18	RECEPTATION CHAIR	Each	2		-	
19	2 SEATERS SOFA	Each	17		-	
20	DINING TABLE	Each	9		-	

21	DINING CHAIR	Each	36		-	
22	KING BED WITH STORAGE	Each	8		-	
23	SIDE Table	Each	16		-	
24	Wooden WARDROBE (2100 mm H)	Each	8		-	
25	TV UNIT	Each	8		-	
26	CENTRE TABLE	Each	8		-	
27	CORNER TABLE	Each	4		-	

28	Refrigrator (300 litre)	Each	5		-	
29	LED Smart TV 55 inch	Each	13		-	
30	SS Dustbin.	Each	30		-	
31	Roller Blind Curtain.	Sqmt.	600		-	
32	Water Cooler	Each	9		-	
33	Water purifier with Reverse Osmosis (RO)	Each	9		-	
34	LED Smart TV 43 inch	Each	2		-	

35	Refrigerator (100 liter)	Each	2		-	
36	Single Wooden Bed with Box and Mattres	Each	2		-	
37	Modular Kitchen Under counter storage Furniture	Sqmt.	60		-	
38	Modular Kitchen Over Head counter storage Furniture	Sqmt.	60		-	
39	Revolving Chair (Conference Table)	Each	50		-	
40	Metal shelving Storage Rack	Each	98		-	
41	Table tennis	Each	1		-	

42	Carrom board	Each	1		-	
43	Refrigerator	Each	1		-	
TOTAL AMOUNT					-	