

Request For Budgetary Estimate of furniture items for CNCI Kolkata

HSCC/CNCI/Furniture/2025

Date: 17/10/2025

HSCC (India) Ltd. intends to invite on-line bids from eligible bidders, in single stage two bid systems for Supply, installation, testing and commissioning of furniture work for CNCI Kolkata.

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. CNCI Kolkata.

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

General Manager (Procurement)

Furniture Department

HSCC (India) Ltd.,

E-6(A), Sector-1,

Noida (U.P.) - 201301.

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

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

Technical Specification of furniture work for CNCL, Kolkata
(ALL Images are indicative only)

Note: All samples shall be approved by the client prior to the supply of materials.

1. Mid Back Chair



Supplying and placing of chairs with following specifications. The seat is made up of 1.4cm thick hot-pressed plywood, molded polyurethane foam and upholstered with fabric. Seat size shall be 50cm x 49cm. Back assembly shall be upholstered with Mesh fabric and is made of back outer injection molded in glass filled Polyamide and back inner injection molded in glass filled Polypropylene. The back consists of adjustable lumbar support made of injection molded Polyoxymethylene which is upholstered with foam and fabric having adjustment of 5.5cm. Back size shall be 48cm x 54.5cm. Polyurethane foam shall have density= 55 kg/m³. Four-way adjustable armrest shall be made from Glass filled polyamide with PU arm top and height adjustment of 9 cm. The arm top has swivel, side to side and to-fro movement. It shall have Auto Balance synchro Tilt mechanism and shall be 360° revolving type and 4 position giving option of variable tilt angle to the chair. Seat depth adjustment is integrated in the seat through a sliding mechanism. Seat depth adjustment range is of 4.5cm. The class 4 pneumatic height adjustment has stroke of 9.5cm. The pedestal is injection molded in glass filled Polyamide and fitted with 5 nos. twin wheel castors. The Pedestal diameter is 67cm. Twin wheel castors are injection molded in Polyamide with 6cm diameter. The overall dimensions of the chair shall be 780mm x 780mm x (980mm - 107mm) (±5% Engineering variation in dimension) . **Mid back chair as approved by engineer in-charge/employer.**

2. HIGH Back Chair



Supply and installation of high back chair, Supplying and Placing of chairs of following specifications. The seat is made up of 1.4cm thick hot-pressed plywood, molded polyurethane foam and upholstered with fabric. Seat size shall be 50cm x 49cm. Back assembly shall be upholstered with Mesh fabric and is made of back outer injection molded in glass filled Polyamide and back inner injection molded in glass filled Polypropylene. The back consists of adjustable lumbar support made of injection molded polyoxymethylene (POM) which is upholstered with foam and fabric having adjustment of 5.5cm. Back size shall be 48cm x 54.5cm. Polyurethane foam shall have density= 55 kg/m³. Four-way adjustable armrest shall be made from Glass filled polyamide with PU arm top and height adjustment of 9cm. The arm top has swivel, side to side and to-and-fro movement. It shall have Auto Balance synchro Tilt mechanism and shall be 360° revolving type and 4 position giving option of variable tilt angle to the chair. Seat depth adjustment is integrated in the seat through a sliding mechanism. Seat depth adjustment range is of 4.5cm. The headrest is made of injection molded in glass filled polyamide, foam and upholstered with fabric. It has adjustment of 5cm. The class 4 pneumatic height adjustment has stroke of 9.5cm. The pedestal is injection molded in glass filled Polyamide and fitted with 5 nos. twin wheel castors. The Pedestal diameter is 67cm. Twin wheel castors are injection molded in Polyamide with 6cm diameter. The overall dimensions of the chair shall be 780mm x 780mm x (1130mm - 1260mm) (±5% Engineering variation in dimension). **Chair as approved by engineer in-charge/employer.**

3. Visitor Chair



Supply Installation of visitor chair, under structure Frame: - Stainless steel (SS 304 grade) oval tube with 32 mm diameter with 2.0 mm thickness and provided with a base plate for seat fixing. Seat: The seat shall be molded with 12 mm thick ISI mark hot-pressed commercial plywood upholstered with leatherette and molded high resilience polyurethane foam of density $45 \pm 2 \text{ kg/m}^3$ & hardness load of $16 \pm 2 \text{ kgf}$ as per IS:7888 for 25% compression. The dimensions of seat shall be 510mm(W) x 480mm(D) ($\pm 5\%$ Engineering variation in dimension). Thickness of seat foam shall be 60 mm.

Back: - The back shall be molded with 12 mm thick ISI marked hot-pressed commercial plywood upholstered with leatherette and molded high resilience polyurethane foam of density $45 \pm 2 \text{ kg/m}^3$ & hardness load of $16 \pm 2 \text{ kgf}$ as per IS:7888 for 25% compression. The Back size shall be 450mm W x 350mm H ($\pm 5\%$ Engineering variation in dimension), The armrests top is molded from PU and tubular armrest support made of Stainless steel(SS 304 grade) 32 mm diameter with 2.0 mm thickness tube, Thickness of foam shall be 50 mm, Over all dimensions of study Chair: Height from ground 925 mm ($\pm 1\text{mm}$). Seat height- 450 mm. Dimensions tolerance/variations shall be within ($\pm 5\%$ Engineering variation in dimension), **Visitor Chair as approved by engineer in-charge/employer.**

4. Student Chair



Supply and Installation of Desk-let chair, the seat and back shall be made from 1.2 ± 0.1 cm. thick. hot pressed moisture resistant, commercial plywood measured as per QA method described in OCP-QLTA-P14-18 and shall be upholstered with P.U. foam and fabric. The dimensions of Back shall be 42.0cm. (W) X 26.5cm. (H) and of seat shall be 42.0cm (W) X 42.0cm (D). The HR Polyurethane foam shall be moulded with density $=45 \pm 2$.kg/m³ and Hardness load 16 ± 2 kgf as per IS:7888 for 25% compression. The assembly shall be a mainframe made of dia 2.54 ± 0.03 cm. x 0.2 ± 0.016 cm thick. M.S. E.R.W. tube and shall has a welded leg tube made of dia. 2.54 ± 0.03 cm. x 0.2 ± 0.016 cm.thk; M.S. E.R.W. tube to the form the complete assembly which shall be black powder coated (DFT 40-60 microns). Overall Dimensions of Chair shall be Seat Height - 45.5 cm, Height - 78.5cm, Width & Depth of Chair as measured from pedestal - Width-52.0cm and Depth-60.5 cm. ($\pm 5\%$ Engineering variation in dimension) The "L" Shape Desk let is made of 1.8 ± 0.05 cm thick. pre - laminated MDF Board with 0.2 ± 0.05 cm thick injection polypropylene polymer all around Front & Back (outer Dimension - $31.5 \pm (W)$ x 47.0 ± 0.1 cm (D, the seat cover is made from high abrasion resistance with fabric with foam laminated and 5cm PU Foam insert. the back cover is made from High Abrasion Resistance fabric with foam lamination and 5 cm PU foam. **Chair as approved engineer in charge/employer.**

5. 3-Seater waiting chair



The seat and back to be made up of high-density self-skin 25-30mm thick PU Foam reinforced with 1.8 mm thick MS perforated sheet insert the PU Foam having density of 680+/- 10Kg/m³ with hardness of 55 +/-5. Seat Size :52.0 cm (W) X 50.5 cm (D). Back Size: 52.0 cm (W) X 53.5 cm (H), seat height (front): 42.50cm, Overall length: 165.5 cm, depth: 66.5 Cm, height: 87 Cm (±5% Engineering variation in dimension), Cross Beam made from Die-cast Aluminum black powder coated square tube of size 6.0+/- 0.05cm X 6.0+/- 0.05cm X 0.4+/- 0.016 cm thick fitted with polypropylene end caps. Thickness of the seat support and lumber support (minimum): 23 mm, Legs & Armrest Made from Die-cast Aluminum with Powder coated 60 microns. Number of armrests: 04 Nos. Thickness of material of Arms 1.8 mm, Thickness of material of Legs 2.0 mm, Legs are fitted with soft grip PVC level adjusting shoes. Main frame finish with Powder coated of minimum 50-70microns, 3-seater waiting chair as approved by engineer in-charge/employer.

6. Work Table



Work table size: 1200mm Width x 600mm Depth x 750mm Height ($\pm 5\%$ Engineering variation in dimension), The table top shall be made of 25 mm ($\pm 1\text{mm}$) thick ISI marked Commercial plywood (BWP grade plywood) faced with 1.0 mm thick laminate on both sides in approved shade, side panel made from 25 mm ($\pm 1\text{mm}$) thick ISI marked Commercial plywood (BWP grade plywood) faced with 1.0 mm thick laminate on both sides in approved shade, the side panels have 2 glide screws each for levelling of the desk and Modesty panel shall be made from 18 mm ($\pm 1\text{mm}$) thick ISI marked Commercial plywood (BWP grade plywood) faced with 1.0 mm thick laminate on both sides in approved shade. E-1 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 sealed with 2mm thick PVC edge-band of REHAU make and 0.8mm thick PVC edge-banding tape to be applied on non-exposed edges pressed at 200°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.

Mobile Pedestal Drawer Unit: Each Table should be provided with 3 drawer Wooden Mobile Pedestal having of 2 sliding Drawer and 1 file Box mounted on 4 castors with front 2 castors lockable. The drawer top, and side panels including the drawer fascia is made out of 18 mm thick ISI marked Commercial plywood (BWP grade plywood) faced with 1.0 mm thick laminate on both sides in approved shade, the back of the drawer unit is made from 9mm thick ISI marked Commercial plywood (BWP grade plywood) faced with 1.0 mm thick laminate of approved shade. The units are assembled by knockdown fittings such as Mini fix & dowels. The drawer are mounted on rollers slides to enable smooth operation of the drawer. The pedestals shall have central locking mechanism. D/C type slim Handle for Drawer and Shutter. Size of lockable castors for pedestal storage unit $\pm 2\text{ mm}$: Diameter 40 mm and height 55 mm, Mobile Pedestal size shall be 400mm W x 550mm D x 585mm H, All Hardware like (Handles, Slides, Hinges, locks, sliding channel, mini-fix, dowels, screw etc) shall be make of Hettich/EBCO or equivalent or as approved by engineer in-

charge/employer. Plyboard/laminate Make: (Century/Action Tesa/Merino/Greenlam or equivalent or as approved by engineer in-charge/employer), **Work Table as approved by engineer in-charge/employer.**

7. Executive table with side drawer



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

MAIN TABLE of size 1800mmW x 750mmD x 750mmH ($\pm 5\%$ Engineering variation in dimension) with top made of 36 mm ($\pm 1\text{mm}$) thick ISI marked Commercial plywood (BWP grade plywood) faced with 1.0 mm thick laminate on both sides in approved shade. E-1 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 sealed with 2mm thick PVC edge-band of REHAU make and 0.8mm thick PVC edge-banding tape to be applied on non-exposed edges pressed at 200°C with the help of hot-melt glue through fit edge-banding machines. The Edge-banding of exposed area to be done in the way that there should not be any sharp edge or corner left after processing. All the exposed edges should have buffing radius of 1.5 to 2mm without affecting aesthetic value of the panel.

The Gabel and Modesty panel is made of 25 mm ($\pm 1\text{mm}$) thick ISI marked Commercial plywood (BWP grade plywood) faced with 1.0 mm thick laminate on both sides in approved shade. E-1 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 sealed with 2mm thick PVC edge-band of REHAU make and 0.8mm thick PVC edge-banding tape to be applied on non-exposed edges pressed at 200o C with the help of hot-melt glue through fit edge-banding machines. The Edge-banding of exposed area to be done in the way that there should not be any sharp edge or corner left after processing. All the exposed edges should have buffing radius of 1.5 to 2mm without affecting aesthetic value of the panel. Top, sides and bottoms (of each product) fixed up system: By using mini fix, supporting bracket/corner and wooden dowel in (knock down) system for interconnecting (MDF board). Design/Shape of table: Rectangular and taper inside at both side ends.

Extended Return Unit

Extended Return Unit size 1050 mm L X 480mmD X 750mmH ($\pm 5\%$ Engineering variation in dimension), The Side unit top is made up of 25 mm ($\pm 1\text{mm}$) thick ISI marked Commercial plywood (BWP grade plywood) faced with 1.0 mm thick laminate on both sides in approved shade. E-1 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 sealed with 2mm thick PVC edge-band of REHAU make and 0.8mm thick PVC edge-banding tape to be applied on non-exposed edges pressed at 200o C with the help of hot-melt glue through fit edge-banding machines. The Edge-banding of exposed area to be done in the way that there should not be any sharp edge or corner left after processing. All the exposed edges should have buffing radius of 1.5 to 2mm without affecting aesthetic value of the panel. The side unit is combination of 1 open able shutter storage with proper locking arrangement, two open shelves and 1 CPU Storage Drawer/storage shutter pull up mechanism: Groove type,

Mobile Pedestal Drawer Unit: Each Table should be provided with 3 drawer Wooden Mobile Pedestal having of 2 sliding Drawer and 1file Box mounted on 4 castors with front 2 castors lockable. The drawer top, and side panels including the drawer fascia is made out of 18 mm ($\pm 1\text{mm}$) thick ISI marked Commercial plywood (BWP grade plywood) faced with 1.0 mm thick laminate on both sides in approved shade, the back of the drawer unit is made from 9mm thick ISI marked Commercial plywood (BWP grade plywood) faced with 1.0 mm thick laminate on both sides in approved shade. The units are assembled by knockdown fittings such as Mini fix & dowels. The drawer is mounted on rollers slides to enable smooth operation of the drawer. The pedestals shall have central locking mechanism. D/C type slim Handle for Drawer and Shutter. Size of lockable castors for pedestal storage unit $\pm 2\text{ mm}$: Diameter 50 mm, Mobile Pedestal size shall be 400mm W x 550mm D x 585mm H, All Hardware like (Handles, Slides, Hinges, locks, sliding channel, mini-fix, dowels, screw etc) shall be make of Hettich/Ebco or equivalent or as approved by engineer in-charge/employer. Plyboard/laminate Make: (Century/Action Tesa/Merino/Greenlam or equivalent or as approved by engineer in-charge/employer), **Table as approved by engineer in-charge/employer.**

8. Fully Motorized High-End ICU Bed



Supply and installation of fully automatic remote control 4 section Intensive care unit bed. The system should be electrically operable by handheld wired remote control which can be placed on each side of the bed for adjustments of back rest, knee rest, heights, Trendelenburg, reverse Trendelenburg, single touch cardiac chair position & automatic CPR positions. The beds lower leg rest section should be operable on ratchet mechanism for attaining DVT position. The overall dimension should be 2250mm (L)x 1010mm(W)x Height adjusted from 425 mm (± 1 mm) to 775 mm without mattress ($\pm 5\%$ engineering variation in dimension) Base frame and support frame should be made up of Epoxy powder coated CRCA tubes of size 30mmx 60mmx 2mm thick with the bed frame of 50mmx 25 mm (± 1 mm) and 40 x20mm, 2mm thick rectangular CRCA tube, Mattress platform is strengthened by frame of size 25 mm (± 1 mm) x 25 mm (± 1 mm) and 1.2 mm thick, under bed clearance should be greater than 150 mm to avoid any obstruction during bed movement, the bed should have head and foot panels detachable by hand without need of any tool Bed should have ABS/Polymer molded swing down safety side railings on both sides, Side railings to be provided for full coverage of the length of the bed to avoid patient fall, the gap between two sideboards and gap between side boards and head/foot boards should be as per IEC entrapment norms. It should have provision for carrying out the X-Ray for backrest area by radio translucent backrest top. There should be provision for X-ray cassette holder under the backrest. The pelvic, upper leg rest and lower leg rest area of the lying surface of the bed should be made of 4 nos. ABS removable cover. Bed should have digital/analog indicators for angle display bed should have one touch key provision on the control panel for CPR position and manual CPR option in case of automatic system failure, Should have one touch key provision on the control panel for Auto Contour position, Bed position adjustments: Mattress platform height: 425-775mm{+- 5%}, Back rest 0- 65 degree or more, Knee rest 0-24 degree or more, Trendelenburg : 0-15 degree or more, Reverse Trendelenburg: 0-15 degree or more, Should have battery backup of atlases 1 hour, Should have patient working load of minimum 180 kg, Should have safe working load of

minimum 200 KG, bed should have 125 mm (± 1 mm) diameter 4 no's twin wheel plastic polymer with metal insert castors, with central and directional locking facility. TPE rotating bumpers of diameter 92 mm, height 69 mm (± 1 mm) with 40-50 shore hardness are Provided at four corners to protect the bed and patient from impact and avoid damages to wall, bed should have provision for holding of IV pole on 4 corners and to be supplied with 1 no's of SS 304 Grade heavy duty IV Pole (2 hook type), 1 Nos. 4 section PU foam mattress shall be provide with 100mm thickness which is covered by heavy helium material should be stretchable type, water resistance, fire retardant, anti-microbial property and X-ray permeable System configuration, 2 no's, urine bag holders shall be provided in both side of bed, 1 Nos chart holder, 1 nos. front loading medium sized MS made oxygen cylinder cage, power supply : Power input should be suitable for 230V AC , 50 HZ Power supply fitted with Indian plug with rechargeable battery backup of at least 1 hour, the offered model should be USFDA Certified or European CE Certificate from 4 digit notifying body or BIS, Certificate copy of the same should be submitted along with technical bid, The service provider should have necessary equipment recommended by the manufacturer to carry out preventive maintenance test as per guidelines provided in the service/maintenance manual, HDU/ICU Bed as approved by engineer in-charge/employer.

9. Bed Side Locker



Supply and Installation of high-quality 100 % pure ABS Plastic bed side locker, the overall dimensions of locker shall be 490mmW x 410mm D x 941mm H ($\pm 5\%$ Engineering variation in dimension), the locker shall be non toxic, strong, anti rust, anticorrosion and resistant to impact, scratches, and chemicals, locker shall be provided with two drawer and cabinet with lock and with plastic molded handle. Cabinet provided with lock to keep the valuable items for the safety. The locker should have towel holder also. Locker top has recessed and contoured shape for better aesthetic and usability. plastic molded castors with 50 mm diameter placed in diagonal locking arrangement. The locker shall be bacterial

protection against at least 2 commonly found bacteria in Hospital environment [Gram positive and Gram Negative]. **Locker as approved by engineer in-charge/employer.**

10. Over bed table



Supply and Installation of over bed table with split and fix type option. The Split variant Should provide additional assistance in terms of lesser upper body movement needed to navigate the table for personal tasks. The sleek design allows the table to easily slide under beds, stretchers, and mobile recliners, making it ideal for all hospital spaces. Thoughtfully designed for patient comfort and ease of accessibility, the overall size: 896 mm length X 395 mm width and Height adjustable from 801 mm to 1077 mm ($\pm 5\%$ Engineering Variation), The top should be tilting mechanism with spring loaded knob. Table top shall be made of Hard Plastic; Table top Height can be adjusted with the help of operating lever which activates the gas spring. Gas spring shall be length of 835 mm and stroke of 293 mm for smooth functioning with adjustable height and consistent motion during operation. Effort to push downward = 14.5 (-2kg) at room temp 27°C, Castors: High endurance 50 mm diameter anti-static, plastic injection molded castors shall be provided, Primary material will be Mild Steel with powder coated finish, Powder coating should be Bacteriostatic and thermosetting epoxy polyester, formulated to fulfill the requirements for bacterial protection.

11. 3 in one solid wood Sofa cum Bed

3 DIFFERENT POSITIONS



Supply and Installation of Sofa cum bed unit, the unit will be able to use as bed or chair or recliner as required, Primary Material: Solid Wood and MS frame, Upholstery Material: Fabric, Dimensions: 190cmD x 76cmW x 76cmH ($\pm 5\%$ Engineering variation in dimension). In sofa condition: - Length: 1060 cm Width: 855cm Height: 77.5cm Seat Height: 46.5cm ($\pm 5\%$ Engineering Variation)

b) In bed condition: -Length: 190cm Width: 76cm Height: 77.5cm Seat Height: 46.5cm Weight carrying capacity not less than 150kg.

Supply and Installation of Sofa cum bed, the sofa frame is made from solid wood frame that undergoes multi-step treatment for protection against termites and bugs. FOAM : PU foam shall be use with Density 28 ± 2 kg/cu meter having an additional top layer of super soft PU foam in Density 32 ± 2 kg/cu meter upholstered with approved fabric. Cushion Thickness: 150mm ± 3 (mm).

Back Foam: The back is made of PU foam with Density 28 ± 2 kg/cu meter with two additional . top layer of super soft foam of density 32 ± 2 kg/cu metre, upholstered with approved fabric . Backrest Cushion Thickness: 150mm

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

seat & 3.8 mm Dia zigzag spring assembly is mounted over under structure for cushioning purpose.

LEG ASSEMBLY ,made of solid wood/teak wood, Sofa cum bed as approved by Engineer In Charge/employer.

12. 2 Door Locker for changing Room



Providing & fixing of 2 door personal locker unit with external lock and keys for Changing Room, size of locker: 450 mm Wx 480mmD x 2000 mm H ($\pm 5\%$ Engineering variation in dimension), Locker Body shall be made of 0.8 mm thick GI sheet conforming to IS 277:2003. Doors shall be made of 0.8 mm thick GI sheet conforming to IS 277:2003. Legs/base shall be made of 1.0 mm thick GI sheet conforming to IS 277:2003. Shelf shall be made of 0.8 mm thick GI sheet conforming to IS 277:2003. CO2 Welded Construction is done. Each Door is equipped with stiffener & lock box cover. Each Door is firmly mounted on two hinges. No. of door - 4 nos. Mazak (Zinc Alloy) Handle, Cam lock for each door Synthetic enamel paint,

Locks: Internal locking, all metal component shall be powder coated with thickness of 50 - 60 microns (± 10 microns). Usable inside dimension of each compartment (Size: W: 450mm x D: 480mm x H: 800 mm). Door dimension of each compartment (Size: 450mm W x H: 800 mm). Handle/Label holder shall be Aesthetically appealing Snap fit ABS plastic handle. Ventilation shall be attractive punched pattern for ventilation, Locker **As approved by engineer in-charge/employer.**

13. Two Seater Sofa



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

SEAT FOAM :The seat is made of PU foam with Density 28 ± 2 kg/cu meter having an . additional top layer of super soft PU foam in Density 32 ± 2 kg/cu .upholstered with synthetic leather Seat . Cushion Thickness ± 3 (mm): 150mm

2) BACKFOAM: The back is made of PU foam with Density 28 ± 2 kg/cu . meter with two additional top layers of super soft foam of density 32 ± 2 kg/cu. metre ,upholstered with synthetic leather. Backrest Cushion Thickness ± 3 (mm): 175mm

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

4 (LEG ASSEMBLY : ,made of solid wood/teak wood size of sofa (W) 1350 mm (D) 950 mm(H) ; mm, seat (H) 450 mm, Sofa Leg Height ± 2 (mm): 150 mm, Sofa Leg Width / Diameter ± 2 860 . ,(mm): 60 mm, Arm Height ± 5 (mm): 710mm, Arm Width ± 5 (mm): 150mm Sofa: as approved by Engineer In Charge/employer.

14. Three Seater Sofa



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

SEAT FOAM : The seat is made of PU foam with Density 28 ± 2 kg/cu meter having an . additional top layer of super soft PU foam in Density 32 ± 2 kg/cu .upholstered with synthetic leather Seat . Cushion Thickness ± 3 (mm): 150mm

- 2) **BACKFOAM:** The back is made of PU foam with Density 28 ± 2 kg/cu . meter with two additional top layer of super soft foam of density 32 ± 2 kg/cu. metre ,upholstered with synthetic leather. Backrest Cushion Thickness ± 3 (mm): 175mm

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

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

15. Medicine Locker



Supply and Installation of Medicine locker with Glass Shutter, the unit overall Dimensions: 910 mm (W) × 486 mm (D) × 2100 mm (H) ($\pm 5\%$ Engineering Variation). The locker shall have 4 shelves, forming 5 compartments of full height.

Material Specifications: Body, door frame, and shelves shall be fabricated from 1.0 mm thick CRCA sheet. 5 mm thick Clear glass shall be fitted into the door frames. All shelves and doors shall have stiffeners for enhanced strength and load-bearing capacity, the stiffener shall be fabricated from 0.8 mm thick CRCA sheet. Cold Reduced Carbon Steel Sheets & Strips (IS: 513 CR2, 2016) procured from TATA Steel/or equivalent/or as approved by engineer in-charge (test certificate available on request).

Hinges and Handles: Auto-closing hinges shall be provided, of CED coated HETTICH/HAEFFLE/ or equivalent make, for better door adjustment. Chrome-plated, three-way recess type spring-loaded rectangular snap-shut handle cum lock with duplicate keys shall be provided.

Coating and Finish: All steel components shall be 100% virgin Epoxy Powder Coated. The material shall pass through a 7-stage, ultra-modern NANO-TECHNOLOGY pre-treatment plant prior to powder coating to ensure high corrosion resistance, smooth, uniform, and high-quality finish. Each shelf shall have a uniformly distributed load capacity of 80 kg.

Simplistic design with 50 mm thick skirting pedestal at the bottom for aesthetic appearance and seamless finish.

Quality and Compliance: the complete almirah shall be highly durable, corrosion-resistant, and provide superior finish and locker as approved by Engineer-in-Charge / Employer.

16. Steel Almirah



Providing and placing of Steel Almirah overall size: 916mm(W)x486mm(D)x1980mm(H) ($\pm 5\%$ Engineering Variation) with welded construction. Almirah shall be made of CRCA 'D' grade high yield strength, CRCA sheets conforming to grade as per CRI of IS 513 (part-1):2016, procured from TATA Steel/or equivalent/or as approved by engineer in-charge (test certificate available on request), It should have 4 Nos. shelves with thickness of 1 mm, Back thickness of 1.0 mm, Door thickness of 1 mm (high yield strength) and stiffener shall be provided in door up to full height, Width of stiffener: 115 mm, Stiffener sheet thickness: 0.8 mm and all other components shall have thickness of 1.0 mm. The Steel Almirah should have a Mazak handle and Three-way locking mechanism with Shooting Bolts. It should have a height wise adjustable shelf mounting which shall have a Uniformly distributed load (UDL) for shelves: 80 Kg. Almirah also have a M10 Screw type Leveler with Hex plastic base, Number of hinges (for each door): 03 Nos. Hinges sheet thickness: 2 mm, Pedestal height

(± 5 mm): 125 mm (± 1 mm), The finishing shall include Epoxy powder coated with thickness of 50 microns ($\pm 5\%$). Powder coating: Conforming to IS: 13871. The product should be complete and as per sample approved & as per direction of Engineer-in-charge/employer.

17. Patient Examination Couch



Overall Sizes 1957mm(L) X 625 mm (± 1 mm) (W)X 808mm(H) ($\pm 5\%$ Engineering Variation) It has gas-lift assisted head rest with continuous adjustment from 0° to 30° . Upper section of box size 1220mmLx460mmWx630mmH ($\pm 5\%$ Engineering Variation) with three sliding drawers of approx. size 320mm Lx 430mmWx 75 mm H ($\pm 5\%$ Engineering Variation), lower section comprises of three cabinets approx. inside size: 350 mm Lx440mmWx 430 mm H ($\pm 5\%$ Engineering Variation) with separate doors & locks, The design focuses on ease of operation, hygiene, doctor and patient ergonomics, and aesthetics. Homogeneous soft forms with rounded edges evoke feeling of comfort and safety. Lying surface overall dimension 625 mm x 65mm, Mattress and Upholstery is to be made with PU molded foam with density 50-55, 35 mm thickness. Mattress is to be projecting out from the under structure to provide soft touch from all sides. Seamless upholstery is to be provided to avoid spread of bacteria Head rest overall dimension is 625 mm (± 1 mm) x 497 mm made of PU molded foam with 50 -55 density and 23 mm thick. Under structure is to be made of MS square tubes with unique styling that provides better strength and stability. It is to be provided to reduce the visual clutter and offers better access and reach. BP Apparatus tray: CRCA sheet construction with SS handle and SS hinge Dia 10 for handle. Sheet thickness 1.2 swivel tray is to be designed for BP Apparatus that should be concealed when not in use SS Handle: SS 202 Dia 10 - Aesthetically designed handles are placed in such a way that to give a unique look also provide wider space for gripping to users. Ergonomics: Increased width of the table (625 mm) to give better comfort for patients. Optimized height (808mm) of the table for comfortable observation and reach. Tapered shape is to be provided to give a unique look and better access for doctor. L-shape leg is to be provided for better stability. Single Step stool is to be made of ERW square tube.

Textured and Rubber mat is to be provided, of 20mm X 20mm size. Tube 1.2 mm thick and mat 3.0 mm thick Size:485(L) x 335 (W) X 210 (H) Step stool is to be made of MS square tubes, is to be strong and firm. Top is to be made of textured rubber offering firm grip for climbing There should be a Stainless steel 304 ERW tube of 12.7 mm dia and 1.2mm thick is to be provided at the back of the back rest section to mount tissue roll which should be used as tissue roll holder. Powder coating is to be Bacteriostatic and thermosetting epoxy polyester, formulated to fulfill the requirements for bacterial protection. Maximum patient load is to be 135 kg. Head Rest is to be adjustable 0 - 30°.BP Apparatus tray is to be provided to Swivel angle 0 to 180 deg. Approx. To ensure good quality welding " Co2 Argon" process should be adhered to. All metal components should be pretreated with zinc phosphate in 9 tank process and then powder coated with anti-microbial epoxy polyester powder coating to fulfill the requirements for bacterial protection. goods should be supplied in knocked down construction to reduce carbon emission. proof loading test, cycle tests, impact test. **Examination couch as approved by engineer in-charge/employer.**

18. Four Seater Dining Table



Supply and installation of Dining Table as per technical specification. 4-Seater Dining table size shall be 1200 mm Width x 1175mm Depth x 750mm Height ($\pm 5\%$ Engineering Variation). Top shall be 25 mm (± 1 mm) thick MDF board with 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 Under structure shall be having bend pipe structure of MS powder coated. Pipe diameter 38 mm, 2 mm thick and it shall be fitted with top by SS machine screws. Legs shall be of MS powder coated and 38

mm dia. pipe legs are fixed with under structure and table top. Glide shall be of Plastic fixed at the under structure to prevent the damage of table top during stacking. All Hardware: The high-quality hardware used like Roller slides, Hinges, mini-fix, dowels, handle, screw etc is make of Hettich/Ebco or equivalent or as approved by engineer in-charge/employer, (MDF Board and Laminate Make: CENTURY/GREENPLY/Action Tesa or equivalent or as approved by engineer in-charge/employer), Dining Table **as approved by engineer in-charge/employer**

19. Dining Chair



Providing and placing of dining Chair, the seat and back are made up injection molded high impact strength polypropylene polymer compound with indoor grade UV Resistance. The welded Leg and tubular frame is made from stainless Steel 202 grade tube. The tube are buff polished to give shiny finish. size of stainless Steel 202 grade tube: $2.52 + 0.03 \text{ cm} \times 0.16 \pm 0.0128 \text{ cm}$ 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: 525 mm (W)x532 mm(D), Back Size: 516 mm (W)x455mm (H) ($\pm 5\%$ Engineering Variation). **Dining Chair as approved by engineer in-charge/employer.**

20. Dressing Unit with Wooden Stool



Supply and installation of dressing unit with wooden stool, Overall Size: Dressing Table Depth - 450.0 mm Width - 440.0 mm Height - 1710.0 mm Dressing Stool –Depth - 335.0 mm Width - 360.0 mm Height - 450.0 mm. ($\pm 5\%$ Engineering Variation)

Material: Panels of Dressing table & Stool are made of 18 mm (± 1 mm) thick ISI marked Commercial plywood (Moisture Resistant grade plywood) faced with 1.0 mm thick laminate on both sides of approved shade. All the exposed edges are edge banded with 0.8 mm thick PVC edge banding. Side panels are made of 18 mm (± 1 mm) thick ISI marked Commercial plywood (Moisture Resistant grade plywood) with imported H.D.F. foil wrapped decorative trims fixed on to it. Mirror panel is made of 18 mm (± 1 mm) thick ISI marked Commercial plywood (Moisture Resistant grade plywood) with 5 mm thick mirror fixed on to it, Stool seat is made of foam with fabric wrapped on to it. All Hardware: The high-quality hardware used like Roller slides, Hinges, mini-fix, dowels, handle, screw etc is make of Hettich/Ebco, (Ply and Laminate Make: Century/Action tesa/Greenply), Construction: Knock Down construction.

21. Auditorium Chair



GLORIOUS



KEY FEATURES

- Synchronized Pushback Mechanism For Seat Slide And Back Recline.
- Auto Tip-up Seat
- PPCP Moulded Housing For Seat Cushion And Backrest
- Cushion Housing With Acoustical Perforation
- Back And Seat Inner Frames By 2.2 Cm Dia Tubular Frame
- Engineered Seat And Back Cushions Made By High-pressure Technology With Best-in-class DOW Chemical From USA.
- Concealed Slider Box Type Stand Design
- PPCP Armrest
- Standard 3 Yrs Warranty Against Manufacturing Defects

LUXURIOUS SEAT PAN

This Chair Is Designed To Provide More Room And Comfort For The User, With A Seat That Is Larger Than Traditional Auditorium Chairs.

SUPER DESIGN AESTHETICS

This Chair Boasts A Sleek And Stylish Design That Is Sure To Catch Anyone's Eye.

IMPROVED ERGONOMICS

The Chair That Offers The Greatest Comfort Possible, And Their Adjustment To Body Posture Is An Added Value

EASY ON MAINTENANCE

The Chair Is Easy To Clean And Maintain, With Stain-Resistant And Easy-To-Clean Fabric.



Supply and installation of High-quality Auditorium Chair, Seat Assembly: The seat assembly shall be fabricated from Polypropylene Copolymer (PPCP) moulded material, padded with polyurethane (PU) foam. The seat shall be upholstered with three-layered foam laminated fabric and provided with an injection-moulded cover. The seat shall incorporate an auto

tip-up mechanism, folding automatically when not in use. The seat profile shall be ergonomically designed to provide necessary comfort in the popliteal region. Seat dimensions: 45.0 cm (W) × 48.5 cm (D) × 15.5 cm (thickness) approximately, ($\pm 5\%$ Engineering Variation)

Backrest Assembly: The backrest assembly shall be fabricated from PPCP moulded material padded with PU foam, upholstered with three-layered foam laminated fabric, and provided with an injection-moulded cover. The backrest foam shall be contoured to provide lumbar support for enhanced comfort. Backrest dimensions: 47.5 cm (W) × 80.0 cm (H) × 15.5 cm (Thick) approximately ($\pm 5\%$ engineering variation). High-Resilience (HR) polyurethane foam for seat and back shall be moulded with density $48 \pm 2 \text{ kg/m}^3$. Back and seat inner frames shall be made of 2.2 cm diameter tubular frame.

Leg Frame Assembly: Fabricated from M.S. tube $6.0 \pm 0.03 \text{ cm} \times 4.0 \pm 0.03 \text{ cm} \times 0.22 \pm 0.016 \text{ cm}$ thick, welded with grouting members. The frame shall be black powder coated (DFT 40–60 microns) and grouted to the floor using anchor bolts. All steel components shall be epoxy polyester powder coated (DFT 50–60 microns).

Armrest Assembly: Armrest shall be Made of black PPCP material with 65 ± 10 Shore 'A' hardness, reinforced with M.S. insert fixed to the leg frame. Armrest shall be Scratch and weather-resistant, provided with a cup holder.

Armrest Cladding: Made of $0.9 \pm 0.05 \text{ cm}$ thick plywood and upholstered with fabric.

Chair shall be concealed slider box type stand design.

The three-layered foam laminated fabric shall be available in two shades Ruby Red and Azure Blue to create desired layout patterns or shades as approved by engineer in-charge/employer.

The auditorium chair shall be designed for mounting/grouting on floors.

Overall Dimensions: Seat Height: 43.0 cm, Overall, Height: 107.0 cm, Armrest centre-to-centre: 54.6 cm, Width (from pedestal): 64.0 cm, depth (from pedestal): 67.5 cm

All dimensions subject to $\pm 5\%$ engineering variation and chair as approved by engineer in-charge/employer.

22. Digital Podium



Podium Body: Metallic podium made of min 1.6 mm thick metal sheets, powder coated with two cooling fans & four castor wheels with brakes for mobility. Audience side height: 44"-48" with 4-5 inches slope towards presenter side.

Ports on Top Plate: Ports available on top – 2 x USB, 1xXLR, switching among 4 displays and splitting into 2 displays i.e. screen and projector.

Ports on Bottom Plate: Ports on bottom plate – 2 x USB, VGA in, VGA out, Audio in, audio out, Gigabit LAN, HDMI in HDMI out, power socket with on/off switch.

Drawer for Visualizer: Drawer for document camera size (LXWXH) 22"x15"x8".

Top Tray: Metallic top tray for placing document & laptop etc. size 24"x24".

Security: All drawers, sliding trays & doors are lockable.

Power Sockets: 6 power sockets for devices connectivity with central power control

Front Logo: Provision to -x Logo on podium front with flexibility to change

Inside Rack: 19" rack inside podium to -t in international standard equipment

Controller Rack Provision to mount Controller in 19" rack & 7" touch panel

Access Doors: Full length access doors for servicing both from & back sides of the podium

Wire Management: Wire managers on left, right sides & at bottom for flexibility of managing additional wires/wiring.

Interactive Monitor: Full HD multi (dual) optical touch 22" monitor LED type, with USB, DVI & VGA, brightness 200 cd/m², Static Contrast Ratio 1000:1, Contrast Ratio 20,000,000:1, 5ms response time, Panel Surface: 8H Hardness, Inbuilt speakers Monitor have 60 deg adjustable tilt against ambience light.

Inbuilt amplifier with power Output: 90W max., 65W RMS at 10% THD, 60W RMS at 5% THD, 50W RMS at 2% THD, Output Regulation: ≤ 2 dB, no load to full load at 1kHz, input channels: 4 × Mic 0.65mV/4.7kΩ 1 × Aux 100mV/470 kΩ, Frequency response: 50-15,000 Hz ± 3dB, Signal to noise Ratio: 60dB, Tone controls: Bass: -10dB at 100Hz, Treble: -10dB at 10kHz, Outputs: preamp 200mV/600Ω, Speaker outputs: 4Ω, 8Ω, 16Ω & 100V.

Inbuilt Speakers: 2 x inbuilt speakers having input power: 50W RMS, Power Taps on 100V: 25/15/10/5W, impedance: 400/670 /1k/2kΩ, Frequency response: 120-15,000Hz, SPL at 1kHz (1W/1m): 94dB.

Gooseneck Microphone: Microphone gooseneck having frequency response: 100-15,000Hz, Impedance: 1000Ω, sensitivity: 7mV/Pa, Power source: 1.5V-9V DC, Overall length: 585mm (23")

Dual channel wireless microphone: Dual channel wireless microphone (collar and handheld) having frequency stability: 0.005%, Audio output: 0-50mV, S/N Ratio > 90dB, distortion < 0.5%, antenna Type: telescopic, frequency response of handheld microphone: 40-15,000Hz and frequency response of collar microphone: 40-12,000Hz.

Integrated Computer System (Optional): Integrated Lenovo/HP/Dell Computer System i7/8 GB RAM/ TB HDD/ Wi-Fi/Wireless Keyboard & Mouse/ Win 10 Home.

Speech Teleprompter (Optional): Speech teleprompter helps you to deliver your speech fluently and confidently without using cue-cards or notes. It maintains your speaking pace and keeps your speech on track.

BUDGETARY QUOTATION**Subject: Supply, installation, testing and commissioning of furniture work for CNCI Kolkata****Reference No.****HSCC/CNCI/Furniture/2025****Name of Manufacturer/Bidder****Address & Contact Details of the
Manufacturer/Bidder submitting
the Budgetary Quotation:**

S. No.	Name of Items	Unit	Total Quantity	Rate Per Unit (In Rs.) with inclusive of All Taxes & Duties and 3 Years Warranty	Amount (In Rs)with inclusive of All Taxes & Duties and 3 Years Warranty
1	Mid Back Chair	Each	62		0
2	High Back Chair	Each	12		0
3	Visitors Chair	Each	105		0
4	Student Chair	Each	60		0
5	3-Seater waiting chair	Each	10		0
6	Work Table	Sqmt	21		0
7	Executive table with side drawer	Each	8		0

BUDGETARY QUOTATION**Subject: Supply, installation, testing and commissioning of furniture work for CNCI Kolkata****Reference No.****HSCC/CNCI/Furniture/2025****Name of Manufacturer/Bidder****Address & Contact Details of the
Manufacturer/Bidder submitting
the Budgetary Quotation:**

8	Fully Motorized High-End ICU Bed	Each	57		0
9	Bed Side Locker	Each	57		0
10	Over bed table	Each	57		0
11	Three in one solid wood Sofa cum Bed	Each	53		0
12	Two Door Locker for changing Room	Each	15		0
13	Two seater Sofa	Each	3		0
14	Three seater Sofa	Each	7		0
15	Medicine Locker	Each	19		0

BUDGETARY QUOTATION**Subject: Supply, installation, testing and commissioning of furniture work for CNCI Kolkata****Reference No.****HSCC/CNCI/Furniture/2025****Name of Manufacturer/Bidder****Address & Contact Details of the
Manufacturer/Bidder submitting
the Budgetary Quotation:**

16	Steel Almirah	Each	55		0
17	Patient Examination Couch	Each	4		0
18	Four Seater Dining Table	Each	20		0
19	Dining Chair	Each	80		0
20	Dressing Unit with Stool	Each	2		0
21	Auditorium Chair	Each	300		0
22	Digital Podium	Each	1		0
	Total Amount in Rs.				0