

Request For Budgetary Estimate of Furniture work for construction of 50 Bedded Power Grid Vishram Sadan at sub divisional Hospital ARERAJ (EAST Champaran, Bihar)

HSCC/GCHB-Aurangabad/Hospital Fur/2025

Date: 02/07/2025

HSCC (India) Ltd. intends to invite on-line Budgetary Estimate from eligible bidders for Supply, Installation, testing and commissioning of Furniture work for construction of 50 Bedded Power Grid Vishram Sadan at sub divisional Hospital ARERAJ (EAST Champaran, Bihar).

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. 50 Bedded Power Grid Vishram Sadan at sub divisional Hospital ARERAJ (EAST Champaran, Bihar)

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: r_kumar@hsccltd.co.in , l_singh@hsccltd.co.in

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

**Technical Specification of Furniture work for construction of 50 Bedded Power Grid
Vishram Sadan at sub divisional Hospital ARERAJ (EAST Champaran, Bihar.
(ALL Images are indicative only)**

1. Steel Almirah



Supply and installation of Steel Almirah shall have an overall size of 916mm(W) x 486mm(D)x 1980mm(H) ($\pm 5\%$ Engineering Variation) with welded construction. It should have the shelf thickness of 1.0 mm, Back thickness of 0.8mm, Door thickness of 1.0 mm (high yield strength) and all other components shall have a thickness of 0.9 mm. These components shall be made of CRCA 'D' grade high yield strength as per IS:513. The store well Plain 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 Capacity of max 40 Kg. It should also have a M10 Screw type Leveler with Hex plastic base. The finishing shall include Epoxy powder coated to the thickness of 50 microns (+/- 10). Plenty of color options and shelving options shall be available. The product should be SCS Indoor Advantage Gold/Greenguard/Green Pro certified almirah as approved by engineer in-charge/employer.

2. Single Bed



Supply and installation of Single Bed of Size 915mm(W)X2150mm(L)X 450mm (H) ($\pm 5\%$ Engineering Variation), The legs frame shall be made of MS tube of 50mmx40mm X 1.6 mm thick & shall be supported by end caps. The height of the bed at leg side shall be 480 ± 10 mm & head side shall be 750 ± 10 mm. The bed matters panel side shall be made of MS square tube 50 X 40 X 1.6 mm thick. The beds mattress platform shall be made of 25 mm thick laminated ISI marked Commercial plywood (Moisture Resistant grade plywood), All the exposed edges are sealed with 2 mm thick PVC edge banding. bed mattress panel shall be supported by 05 nos. MS square tube 25mmx25mm X 1.25 mm thick. Leg and Bed frame shall be connected to each other with MS tube of size 50mmx40mm X 1.6 mm thick. All metal structure shall be welded by MIG/CO2/Electric welding. All steel structural components shall be processed and made from virgin material sourced from SAIL / Tata Steel/Jindal Steel or equivalent manufacturer or as approved by employer. all metal component shall be finishing with Epoxy powder coated with thickness of 50 microns ($\pm 10\%$). Powder coating: Conforming to IS: 13871. The powder coated components shall be tested on regular basis for Scratch resistance test of 4H. Each corner of the bed shall have U-shaped support to avoid the displacement of the mattress. Load bearing capacity of bed shall be 350 kgs, Steel Make : TATA Steel/Sail Steel/JINDAL Steel, Metal Single Bed as approved by engineer in-charge/employer.

3. Mattress



Supply and placing of single bed Mattress (Size 72"x 36" x6")/ mattress as per size of single bed, Thickness of Mattress is 150mm, Number of Layers : Two Layers, Thickness of Core Layer 1 (± 2 mm) :150 mm, Thickness of Top Layer (± 2 mm) 25 mm, Material of Core Layer 1 : PU Bonded Foam, Quilting: Both Side Quilting (Double Sided), Quilting Material: PU Foam, Density of Quilting Material (± 2 Kg/m³): 18 Kg/m³, Thickness of Quilting (± 2 mm): 14 mm, Core Layer 1 Density: 80 Kg/m³, Top Layer Density: 28 Kg/m³, Compression Set for PU Foam (non quilting) as per IS 7888 1976 (Max): 10 %, Resistance to Ageing for PU Foam : Shall meet the requirement of IS 7933 Latest, Resistance to Ageing for Rubberised Coir Foam: Shall meet the requirement of IS 8391 Latest, Durability Test for PU Foam as per: IS 7933 Latest, Resistance to Flexing for Rubberised Coir Foam: Shall meet the requirement of IS 8391 Latest, Durability Test for Complete Mattress: loss of height not more than 13 mm (as per ASTM 1566), Brand of Mattress: sleep well/kurlon or mattress as approved by engineer in-charge/employer

4. Pillow with cover



Supply of Pillow with cover, Size of pillow: 43 cm x 68 cm, Shape: Rectangular, Weight: 750 Gram, Made from Finest Materials: 100% Combed Cotton Cover, Rich 235 Thread Count | Double-needle stitching with piping for durability. Easy washing and drying, Pillow with cover as approved by engineer in-charge/employer.

5. Bed sheet



Single Bed sheet made from finest material: 100% Cotton, Bed sheet Strip size: 60"x100" premium 40's count satin stripe cotton : Brand: Bombay dyeing or equivalent or as approved by engineer in-charge/employer.

6. Main Table with side unit



Table size shall be 1500mmL x 750mmWx 750mmH ($\pm 5\%$ Engineering Variation). Table top shall be 25 mm thick Pre-laminated MDF Board conforming to Grade SBG II of IS 12406/2003 with laminated both side 1 mm thick laminate, E1 grade laminate with zero urea formaldehyde emissions ($\leq 8\text{mg}/100\text{ g}$ oven dry board-perforated method) for

better in-house quality. This should comply with (EN 120-1992). The modesty panel shall be 18 mm thick Pre-laminated MDF Board conforming to Grade SBG II of IS 12406/2003 with laminated both side 1 mm thick laminate. All Exposed edges of pre-laminated MDF board to be sealed with 2mm thick PVC edge banding and 0.8mm thick PVC edge-banding tape pressed at 200o C to be applied on Non-exposed edges with the help of hot-melt glue through fit edge-banding machines. The Edge-banding of exposed area to be done in the way that there should not be any sharp edge or corner left after processing. All the exposed edges should have buffing radius of 1.5 to 2mm without affecting aesthetic value of the panel.

ERU - LHS size shall be 1050mm Width x 450mm Depth x 705mm Height ($\pm 10\%$ Engineering Variation). The top shall be 25 mm thick Pre-laminated MDF Board conforming to Grade SBG II of IS 12406/2003 with laminated both side 1 mm thick laminate. Flat Edge duly sealed with 2 mm thick PVC beading. The Modesty shall be 18 mm thick MDF Board with laminated both side 1 mm thick laminate. Edge sealed with 2 mm thick PVC Banding. Mobile pedestal Unit: 3 drawer (2 drawer & 1 filing Cabinet) Mobiles Metal pedestal of overall dimensions internal and external dimensions 380-430 mm (W) x 430-480 mm (D) x 600-650 mm (H) ($\pm 10\%$ Engineering Variation). Mobile pedestal body should be made of CRCA of thickness 0.8 mm duly powder coated with 70-80 micron. Each pedestal should be provided with pencil tray/drawer size: 120 mm (H) x 380 mm (W). Filling cabinet size; 350 mm (H) x 380 mm (W) ($\pm 10\%$ Engineering Variation) pedestal should have 4 Nos castor fitted to it, diameter of castors is 50 mm, All the pedestal drawers are centrally locked with a single key. All Hardware Make: Hettich (Handles, Slides, Hinges, Drawer Channel), MDF Board and Laminate Make: (Century/Action Tesa/Merino/Greenlam) Consultant Table as approved by engineer in-charge/employer.

7. HIGH BACK CHAIR



Providing and Placing of High Back Chair. The seat and back are made up of 1.2 cm. thick hot-pressed plywood, upholstered with fabric upholstery covers and moulded Polyurethane foam. The back foam is designed with contoured lumbar support for extra comfort. The seat has extra thick foam on front edge to give comfort to popliteal area. Dimension BACK SIZE -47.5 cm (W) x 69.5 cm (H) & SEAT SIZE 47.0 cm. (W) x 48.0 cm. (D) ($\pm 5\%$ Engineering Variation). POLYURETHANE FOAM: The Polyurethane foam is molded with density = 45 $\pm$ 2 kg/m³ and Hardness = 20 $\pm$ 2 at 25% compression. 3) ARMRESTS: The one-piece armrests are injection molded from black Co-polymer Polypropylene. 4) CENTER TILT SYNCHRO MECHANISM. PNEUMATIC HEIGHT ADJUSTMENT -The pneumatic height adjustment has an adjustment stroke of 12.0 cm. TELESCOPIC BELLOW ASSEMBLY: The bellow is 3piece telescopic type and injection molded in black Polypropylene. PEDESTAL ASSEMBLY: The pedestal is injection molded in black 30% glass-filled Nylon and fitted with 5 nos. twin wheel castors. The pedestal is 66.0cm pitch-center dia. (76.0 cm with castors.) TWIN WHEEL CASTORS: The twin wheel castors are injection molded in Black Nylon Product should be SCS Indoor advantage Gold/ CII Green Pro & Griha certified High back chair as approved by engineer in-charge/employer.

8. Visitor Chair



Visitor Chair The seat and back are made up of 1.2 cm. thick hot-pressed plywood, upholstered with fabric upholstery covers and molded Polyurethane foam. The back foam is designed with contoured lumbar support for extra comfort. The seat has extra thick foam on front edge to give comfort to popliteal area. Dimension BACK SIZE - 47.5 cm. (W) x 58.0cm. (H) & SEAT Size 47.0 cm. (W) x 48.0 cm. (D) ($\pm 5\%$ Engineering Variation).. POLYURETHANE FOAM: The Polyurethane foam is molded with density = 45 ± 2 kg/m³ and Hardness = 20 ± 2 at 25% compression. 3) ARMRESTS: The one-piece armrests are injection molded from black Co-polymer Polypropylene. The powder coated tubular frame is cantilever type & made of diameter 25.4mm x 2mm thick M.S. ER.W. Tube The product SCS Indoor advantage Gold/ CII GreenPro & Griha certified, chair as approved by engineer in-charge/employer.

9. Dining Table.



Supply Installation of 6-Seater PU Coated of size shall be 2329 Width mm x 1175 Depth mm x 750 Height mm ($\pm 5\%$ Engineering Variation). 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 dia 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. Dining table as approved by engineer in-charge/employer.

10. Dining Chair



Providing and placing of dining Chair, Godrej Unwind Chair SS Understructure : SEAT/BACK: The Seat and Back are made up of injection molded high impact strength Poly Propylene polymer compound with indoor grade UV resistance *SEAT SIZE: 52.5 cm. (W) x 53.2 cm. (D), * BACK SIZE : 51.6 cm. (W) x 40.5 cm. (H) ($\pm 5\%$ Engineering Variation). .S.S. UNDERSTRUCTURE: The tubular welded frame is made from Dia 2.22 ± 0.03 cm x 0.12 ± 0.0128 cm and 3.5 ± 0.03 cm x 1.5 ± 0.03 cm x 0.12 ± 0.0128 cm Stainless Steel 202 grade tube. The tubes are buff polished to give shiny finish. Overall Size - WIDTH (W): 52.5 CM DEPTH (D) : 55.8 CM HEIGHT (H): 84.5 CM SEAT HEIGHT (SH): 45.0 CM Product should be Green guard certified/SCS Indoor Advantage Gold certified, Dining Chair as approved by engineer in-charge/employer.

11. SS Dustbin



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

12. 3-Seater Waiting Chair



Supply and installation of three-seater waiting chair, The Seat is made from high density self-skin PU foam reinforced with 3mm M.S. perforated sheet insert. The PU foam having density of $520 \pm 10 \text{ kg/m}^3$ with a Shore 'A' hardness of 55 ± 5 . Seat Size 52.0(W) *46.5(D)
The Back is made from high density self-skin PU foam reinforced with 3mm M.S. perforated sheet insert. The Pu Foam having density of $520 \pm 10 \text{ kg/m}^3$ with a Shore 'A' hardness of 55 ± 5 . Back Size 52.0 cm (W)x 51.5 cm (H) ($\pm 5\%$ Engineering Variation)
Cross Beam made up of black powder coated M.S E.R.W. square tube of size $6.0 \pm 0.05 \text{ cm} \times 6.0 \pm 0.05 \text{ cm} \times 0.18 \pm 0.016 \text{ cm}$ thick fitted with polypropylene end caps. Leg & Armrest are made up of powder coated High pressure Aluminum Die cast. Thickness of material of Arms 1.8 mm, Thickness of material of Legs 2.0 mm, Leg Are fitted with soft grip PVC level adjusting shoes. Width (W) = 165.5 cm, Depth (D) = 66.5 cm, Seat Height (SH) = 42.5 cm Height(H): 87.0 cm, three-seater waiting chair as approved by Engineer in-charge/Employer.

13. 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 AA6063alloy 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.

14. LED Smart TV 55 inch



Supply & Installation of LED Smart TV 55 Inch with 5-star rating including electrical work /wiring & making good the same complete. Key Feature: Ultra HD 4K TV, Smart TV, Google TV, 20 Watts, X-Balanced Speaker, Dolby Audio, Dolby Atmos, 2xUSB, 4XHDMI, 1x Optical Audio Output. The make of LED Smart TV shall be Sony/ Samsung or as approved by Engineer In-charge/Employer

Supply, Installation, testing and commissioning of Furniture work for construction of 50 Bedded Power Grid Vishram Sadan at sub divisional Hospital ARERAJ (EAST Champaran, Bihar)

Budgetary quotation

S. No.	Name of Items	Unit	Quantity	Rates per Unit including of all taxes with 3 years Warranty	Amount (In Rs.)
1	Steel Almirah	Each	51		
2	Single Bed	Each	51		
3	Mattress	Each	51		
4	Pillow with cover	Each	51		
5	Bed sheet	Each	102		
6	Main Table with side unit	Each	1		
7	HIGH BACK CHAIR	Each	1		
8	Mid Back Chair for Visitor/ Reception	Each	4		
9	Dining Table	Each	4		
10	Dining Chair	Each	24		
11	SS Dustbin	Each	24		
12	3 Seater Waiting Chair	Each	4		
13	Roller Blind Curtain	Sqmt	25		
14	LED Smart TV 55 inch	Each	1		
	Total Amount in Rs.				0