

**Request For Budgetary Estimate of furniture work for 25 Isolation Room Block at
SSB Kota, Rajasthan**

HSCC/25 Isolation Room SSB-KOTA/Furniture/2026

Date: 25/03/2026

HSCC (India) Ltd. intends to invite on-line budgetary estimate from eligible bidders for supply, Installation testing and commissioning of furniture for 25 Isolation Room Block at SSB Kota, Rajasthan.

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. 25 Isolation Room Block at SSB Kota, Rajasthan.

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 25 Isolation Room Block at SSB Kota Rajasthan

1. Fully Motorized Hospital Bed with mattress and SS Saline stand



Supply, installation, testing, and commissioning of a fully motorized ICU bed complete with all standard accessories and mattress, as per approved specifications and as directed by the Engineer-in-Charge/Employer. The ICU bed shall be a 5-function fully motorized unit with electric operation for backrest, leg rest, hi-low adjustment, Trendelenburg, and reverse Trendelenburg positions, all operated through a single handset. The overall dimensions of the bed shall be 2241 mm (L) × 1050 mm (W), with height adjustable from 440 mm to 770 mm (without mattress). The backrest shall have angular movement from 0° to 65°, and the knee rest from 0° to 30°. The Trendelenburg and reverse Trendelenburg positions shall be ±13.5°. The bed shall have a safe working load of 200 kg and a patient load capacity of 150 kg.

All edges of the bed shall be smoothly rounded to ensure patient safety. The bed shall be provided with manual CPR levers on both sides for emergency use. The head board, foot board, and side rails shall be made of moulded polypropylene (PP) with metal inserts and shall incorporate antibacterial additives. These components shall have provision for affixing colour-coded stickers/identification labels. The head and foot boards shall be easily removable without the use of any locking mechanism to facilitate quick removal during

emergencies. The side rails shall provide full-length coverage of the bed and shall be equipped with an integrated drop-down mechanism for smooth and easy operation. The bed frame shall be constructed of MS ERW tubes of size 50 mm × 25 mm × 2 mm thick, supported by ERW square tubes of size 40 mm × 25 mm × 2 mm thick. The base frame shall be made of MS ERW tubes of size 30 mm × 60 mm × 2 mm thick and shall provide a ground clearance of not less than 150 mm to facilitate unobstructed movement. The Bed is Provisioned with telescopic Heavy-duty IV pole. This SS made IV pole is of MS frame and SS made saline stand which can be fitted on the bed, oxygen cylinder cage mounting, and bumper mounting holders at all four corners.

The mattress platform shall be made of PP injection-moulded sections designed for bed profiling, including backrest, fixed pelvic section, and upper and lower leg sections. The lower leg section shall be equipped with a ratchet mechanism for single-hand operation. The backrest shall be X-ray permeable and provided with a cassette holder. The platform shall be reinforced with a frame of size 25 mm × 25 mm × 1.6 mm thick. The bed shall have an under-bed clearance of at least 150 mm. Four rotating TPE bumpers of 92 mm diameter and 69 mm height with 40–50 Shore hardness shall be provided at all corners to protect both the bed and surrounding surfaces.

The bed shall be mounted on four 125 mm diameter twin-wheel castors made of polymer with metal inserts, with two castors provided with brakes at diagonally opposite positions. Powder-coated urine bag holders shall be provided on both sides of the bed for convenience. All metal components shall be pre-treated through a 9-tank zinc phosphating process and finished with epoxy polyester powder coating.

The electrical system shall operate on a supply voltage of 100–240V AC ±10% with a maximum current of 2.5A. The bed shall conform to Class I, Type B electric shock protection and shall have an ingress protection rating of IPX4. The bed shall also be provided with a Trendelenburg angle indicator. Provision shall be made for a front-loading medium-sized MS oxygen cylinder cage and a telescopic stainless steel IV pole for saline bottle mounting.

The ICU bed shall be designed and manufactured in compliance with IEC 60601-2-52 for medical bed safety and performance, IEC 60601-1-4 for programmable medical electrical systems, and ISO 14971 for risk management of medical devices. The manufacturer shall hold ISO 13485:2016 certification for quality management systems applicable to medical devices.

The mattress shall be of size 1950 mm (L) × 853 mm (W) × 100 mm (H), made of 40 density PU foam with ridges to facilitate bending as per bed articulation. The mattress cover shall be made of heavy-duty material that is waterproof, flame retardant, vapour permeable, X-ray permeable, and bacteriostatic. The zipper and stitching of the mattress cover shall be concealed to ensure durability and hygiene.

The ICU bed shall be supplied as per the above specifications or equivalent, as approved by the Engineer-in-Charge/Employer.

2. Bed side Locker



Supply and installation of bedside locker, the locker has two drawer and cabinet with lock and with plastic moulded handle. Cabinet is Provided with lock to keep the valuable items for the safety.

overall dimensions is 490mmW x 410mm D x 941mm H

Corner tube made of ERW round tube with section 25.4 mm diameter of 1.2 mm thickness
Cabinet made of CRCA sheet of 0.8 mm thick Provisioned with lock. (470 mm x 410 mm x 382 mm)

Top made of ABS of 2.2 mm thick. Top has recessed and contoured shape for better aesthetic and usability.

Plastic moulded knob is Provisioned with Matt finish and dome shaped for better grip.

Plastic moulded castors with 50 mm diameter placed in diagonal locking arrangement.

RAL white, plastic parts in Grey.

20 kg UDL on both the tops and 10 kg in the cabinet.

All metal components are pre-treated with zinc phosphating in 7 tank process and then powder coated with anti-microbial epoxy polyester powder coating to fulfil the requirements for bacterial protection against at least 2 commonly found bacteria in Hospital environment [Gram positive and Gram Negative].

goods are supplied in knocked down construction to reduce carbon emission.

All Process Parameters to be as per documented IMS Procedures for Quality Assurance (ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, ISO 13485:2016 & ISO 50001:2018 Quality Management Systems), locker as approved by engineer in-charge/employer.

3. Over Bed Table



Supply and installation of Over bed table with height adjustable feature. overall dimension should be (L)896 mm X (W)395 mm X (H) Adjustable from 800 mm to 1083 mm. Table top Height can be adjusted with the help of operating lever which activates the gas spring. Base frame is made of ERW round tube with 50.8 mm diameter and 1.6 mm thickness. Housing is made of aluminium extruded inner and outer tubes. Handle for gas spring made of MS sheet metal of section 74 mm x 115 mm with 3 mm thick Handle with CRCA material making strong lever and have provision of wider area for grip. Gas spring of length 835 mm and stroke of 293 mm. Smooth functioning gas spring with adjustable height and consistent motion during operation.

Effort to push downward = 14.5(-2kg)

at room temp 29°C. Plain top made of membrane pressed MDF with section 395 mm x 896 mm of 18 mm thickness. Membrane pressed MDF board of frosty white shade on top surface and with edge lipping. Top: MDF top with membrane press, should give anti-scratch Property with good surface finish. Castors: High endurance anti-static, Plastic injection moulded castors are Provided of Ø50mm. Powder coating should be Bacteriostatic and thermosetting epoxy polyester, formulated to fulfil the requirements for bacterial protection. Powder coating should be Bacteriostatic and thermosetting epoxy polyester, formulated to fulfil the requirements for bacterial protection. Max Safe Working Load: 20 kg UDL. goods are supplied in knocked down construction to reduce carbon emission.

All Process Parameters to be as per documented IMS Procedures for Quality Assurance (ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, ISO 13485:2016 & ISO 50001:2018 Quality Management Systems), OBT As approved by engineer in-charge/employer.

4. Wooden Almirah



Providing and placing of wooden wardrobe at site. The width and height of the wardrobe shall be as per actual site measurements, Depth of almirah: 600 mm approx. ($\pm 5\%$ Engineering Variation), Body panels are made of 18 mm (± 1 mm) thick ISI marked Commercial plywood (Moisture Resistant grade plywood) finished with 1.0 mm thick laminate on both sides, All the exposed edges are edge banded with 2 mm thick PVC edge banding. Openable Doors/Sliding Doors shall be made of 18 mm (± 1 mm) thick ISI marked Commercial plywood (Moisture Resistant grade plywood) finished with 1.0 mm thick laminate on both sides all the exposed edges are edge banded with 2 mm thick PVC edge banding. Side panel are made of 18 mm (± 1 mm) thick ISI marked Commercial plywood (Moisture Resistant grade plywood) finished with 1.0 mm thick laminate on both sides, all the exposed edges are edge banded with 2 mm thick PVC edge banding, 4/5 nos. Drawer/shelf components shall be fabricated from 25 mm thick ISI-marked Commercial Plywood of Moisture Resistant (MR) grade, and shall be finished with 1.0 mm thick laminate on both sides. All the exposed edges are edge banded with 2 mm thick PVC edge banding. Body back and drawer bottom are made of 18 mm (± 1 mm) thick ISI marked Commercial plywood (Moisture Resistant grade plywood) finished with 1.0 mm thick laminate on both sides. 5 mm thick mirror shall be provided and fitted in the wooden wardrobe. The size of the mirror shall be 900 mm–1000 mm (Length) $\times$ 300 mm–400 mm (Width). The mirror shall be fixed with wooden beading of 30 mm–40 mm width and 10 mm–12 mm thickness (or as approved by engineer in-charge/employer). The mirror shall be of make Saint-Gobain/Modi Guard or equivalent or as approved by the Engineer-in-Charge/Employer. A stainless steel (SS 304 grade) hanger rod of 25 mm diameter and 2 mm thickness shall be provided in the almirah, the almirah shall be provided with scribe moulding to cover minor

gaps or uneven edges at the junctions where the wardrobe meets walls, ceiling, or any other adjoining surfaces, as applicable. Hardware: The high-quality hardware like Roller slides, Stainless Steel Hinges, L-brackets, Mini fix, Stainless Steel Handles (6 inches), locks, wooden dowels, screw, Aluminium Z Bar Clips, Hanging Mounting Bracket shall be used of Hettich/EBCO make or equivalent or as approved by engineer in charge/employer. Commercial plywood and Laminate Make: Centuryply/Greenply/Kitply/Merino/Greenlam or equivalent/or as approved by engineer in-charge/employer), Wooden Wardrobe as approved by engineer in-charge/employer

5. Steel Almirah for Store Room



Providing and placing of a steel almirah of overall size 916 mm (W) × 486 mm (D) × 1980 mm (H), complete in all respects, with fully welded construction and as per the sample approved and directions of the Engineer-in-Charge/Employer. The almirah shall be manufactured from CRCA 'D' grade high-yield strength cold rolled steel sheets conforming to IS 513 (Part 1):2016, ensuring strength, durability and dimensional stability for institutional and office use.

The almirah shall be provided with four numbers of adjustable shelves, each made from 1.0 mm thick steel sheet, capable of supporting a uniformly distributed load (UDL) of 80 kg per shelf. The back panel shall be of 1.0 mm thickness. The doors shall be made from 1.0 mm thick high-yield strength steel sheet and shall be reinforced with a full-height stiffener of width 115 mm, made from 0.8 mm thick steel sheet, to enhance rigidity and prevent deformation. All other structural and non-structural components shall be manufactured from steel sheets of 1.0 mm thickness unless otherwise specified.

The almirah shall be fitted with a Mazak handle and a three-way locking mechanism with shooting bolts for enhanced security. Height-wise adjustable shelf mounting shall be provided to allow flexibility in storage configuration. Each door shall be fitted with three numbers of heavy-duty hinges, made from 2.0 mm thick steel sheet, ensuring smooth operation and long service life.

The almirah shall be provided with an M10 screw-type leveller with hex plastic base to ensure proper levelling on uneven floors. The pedestal height shall be approximately 125 mm (± 5 mm), providing adequate ground clearance and ease of cleaning beneath the unit.

The surface finish shall be epoxy powder coated with a minimum dry film thickness of 50 microns with permissible tolerance of ± 10 microns. The powder coating process shall conform to IS 13871, providing a uniform, corrosion-resistant and durable finish. The complete steel almirah shall be structurally sound, neatly finished, functionally tested and accepted only after inspection and approval by the Engineer-in-Charge / Employer.

6. Reception Table



Providing and placing of a customized rectangular reception counter with double-top configuration, complete in all respects, as per approved drawings and directions of the Engineer-in-Charge/Employer. The counter shall be constructed using 25 mm thick pre-commercial plywood for the base structure, duly reinforced with MS square pipe framework to ensure structural stability and durability. The external cladding/top shall be finished with 12 mm thick solid surface (Corian or equivalent) sheets, thermoformed to the required shape using appropriate dies and moulds, and seamlessly jointed and polished to achieve a smooth, uniform finish.

The entire exposed surfaces shall be finished with 1 mm thick laminate of approved make, while all edges shall be sealed with 2 mm thick PVC edge banding. Internal surfaces shall be finished with 1 mm thick white laminate or as approved by the Engineer-in-Charge. The counter shall include shutter units and drawer cabinets with laminate/veneer finish, complete with approved locking mechanisms. A suitable footrest shall also be provided.

The counter shall be provided with 3 Nos. computer keyboard trays and 3 Nos. drawer units, each consisting of three drawers of heights 150 mm, 150 mm, and 350 mm respectively, with overall drawer cabinet size approximately 450 mm (W) $\times$ 680 mm (H). Drawers shall be fabricated from 18 mm thick marine plywood, finished with 1 mm laminate on all sides, with edges sealed using 2 mm PVC edge banding. Each drawer shall be mounted on a pair of approved make telescopic drawer slides. The inner surfaces of drawers shall be finished with white laminate.

A double front panel shall be provided for mounting electrical switches and sockets. The working top height shall be maintained at 750 mm, while the counter top height shall be between 1050 mm to 1200 mm. The depth of the working top shall be in the range of 650 mm to 750 mm.

All hardware fittings including hinges, telescopic channels, mini-fix, dowels, handles, screws, etc. shall be of high quality from approved makes such as Hettich, Ebco, or equivalent. Plywood and laminate shall be of approved makes such as Century, Action Tesa, Greenply, or equivalent.

The design, colour scheme, and overall finish of the reception counter shall be as approved by the Engineer-in-Charge/Employer. The item shall include all materials, labour, tools, fixtures, and accessories required for complete installation at site.

7. Reception Chair



Supply and installation of chair, The seat shall be made up of 1.2+/-0.1cm thick hot-pressed moulded plywood and upholstered with fabric or synthetic leather and moulded polyurethane foam. The back shall be made up 1.2+/-0.1cm thick hot-pressed plywood upholstered with replaceable synthetic leather upholstery covers and moulded polyurethane foam. The moulded polyurethane foam shall be of density 45+/-2kg/m³, and hardness load 16+/-2kgf as per IS:7888 for 25% compression. The dimensions of seat shall be- 51.0cm(W) x 48.0cm(D) and of back shall be 48.0cm(W) x 76.0cm(H). The armrest top shall be made of moulded polyurethane and mounted on to a drop lift height adjustable type M.S tubular armrest support chrome plated. The armrest height shall be adjustable up to 6.5+/-0.5cm in 5 steps. The mechanism of the chair shall have following features: 360° revolving type, Knee tilt synchro mechanism, Tilt tension adjustment, Single point control, 4 position locking with anti-shock feature, Seat depth adjustment of 6.0+/-0.5cm should be locked in 6 positions. The backrest shall consist of a sliding up down mechanism, which can be adjusted in the range of 7.5+/-0.5cm and should be locked in 4 positions for correct

position of lumbar support. The chair shall be provided with pneumatic height adjustment which shall have stroke of 9.0 ± 0.3 cm. The pedestal shall be fabricated from 0.2 ± 0.02 cm thick HR sheet, chrome plated and assembled with injection moulded black polypropylene hub cap. The size of the pedestal shall be 66.0 ± 0.5 cm pitch-centre-dia (76.0 ± 1.0 cm with castors). The twin wheel castors shall be made black nylon. Overall dimensions of Chair shall be, Width of Chair - 76.0cm, Depth of Chair - 76.0cm as measured from pedestal below. Height from ground - min 101.5 to max 117.5cm. Seat height - min 46.9 to max 55.9cm. Dimensions tolerance / variations shall be within ± 1 cm. Chair as approved by engineer in-charge/employer.

8. Three-seater waiting chair



Providing, supplying and installing 3-Seater Waiting Chair, complete in all respects, as per approved design, specifications and directions of the Engineer-in-Charge / Employer.

The seat and backrest shall be made of high-density self-skin polyurethane (PU) foam, having a thickness of 25–30 mm, reinforced with a 3 mm thick M.S. perforated sheet insert for added strength and durability. The PU foam shall have a density of 680 ± 10 kg/m³ with a hardness of 55 ± 5 , ensuring long-term resilience and seating comfort. The single seat size shall be 52.0 cm (W) $\times$ 46.5 cm (D), while the back size shall be 52.0 cm (W) $\times$ 51.5 cm (H). The floor-to-seat height (front) shall be a minimum of 410 mm, and the overall length of the chair assembly shall be not less than 1680 mm.

The cross beam shall be fabricated from black powder-coated M.S. ERW square tube of size 6.0 ± 0.05 cm $\times$ 6.0 ± 0.05 cm $\times$ 0.4 ± 0.016 cm thick, and shall be fitted with polypropylene end caps for safety and aesthetic finish. The minimum thickness of the seat support and lumbar support shall be 23 mm.

The legs and armrests shall be made of high-pressure die-cast aluminium, finished with powder coating of minimum 70 microns thickness to ensure corrosion resistance and durability. The chair shall be provided with 04 numbers of armrests. The minimum thickness of material for armrests shall be 1.8 mm, and for legs shall be 2.0 mm. The legs shall be fitted with soft-grip PVC level-adjusting shoes to provide stability and prevent damage to flooring.

The main frame shall have a uniform powder-coated finish of minimum 70 microns thickness, ensuring a robust, long-lasting, and aesthetically pleasing surface. The complete 3-seater waiting chair shall be strong, ergonomically designed, suitable for heavy-duty public use, and shall be approved by the Engineer-in-Charge / Employer before acceptance

9. Single Bed with Matters for Support Room



Providing and placing of a single wooden bed with overall dimensions of 900 mm height, 933 mm width and 2060 mm length ($\pm 5\%$ Engineering Variation), Single Bed Support structure made up of M.S. Pipe 75mmx25mmx1.6 mm thickness and 25mmx25mmx1.6mm thickness duly powder coated through seven tank process of Powder Coating with thickness of 50 microns (± 10). Head board and tail board is 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. Head board size: 930mmx900mm ($\pm 5\%$ Engineering Variation) and foot board of size: 930mmx450 mm ($\pm 5\%$ Engineering Variation), both bed box side is made of 18mm (± 1 mm) thick ISI marked Commercial plywood (Moisture Resistant grade plywood) faced with 1.0 mm thick laminate on both sides. Mattress panels and Box Bottom Panel of Bed are made of 25 mm (± 1 mm) thick ISI marked Commercial plywood (Moisture Resistant grade plywood), All Exposed edges of Commercial plywood to be sealed with 2mm thick PVC edge band 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. Construction: Knock Down construction. Finish: Walnut shade or single wooden Bed as approved by engineer in-charge/employer. The high-quality hardware like Roller slides, SS Hinges, minifix, SS Handels, drawer locks, wooden dowels, screw, shall be used of Hettich/ EBCO make or equivalent or as approved by engineer in-charge/employer. Commercial plywood and Laminate Make: Century ply/Green

ply/Kit ply/Merino/Greenlam or equivalent/or as approved by engineer in-charge/employer).



Providing and placing of a single bed mattress of size 78 inches × 36 inches or as per the size of the single bed provided, complete in all respects and as approved by the Engineer-in-Charge / Employer. The mattress shall be a quilted type with an overall thickness of 6 inches (approximately 150 mm), designed to provide adequate comfort, durability and support for residential or institutional use.

The mattress core shall be made of high-quality coir with a density of approximately 80 g/dm³, ensuring firmness and proper load distribution. One side of the mattress shall be provided with quilted padding comprising pilled foam of 14 mm thickness with a density of 18 g/dm³, along with an additional PU foam layer of 5 mm thickness to enhance surface comfort. The quilting shall be uniform and neatly finished to ensure long-lasting resilience and comfort.

The outer cover fabric shall be made of 85 GSM poly-cotton material, providing breathability, durability and ease of maintenance. The mattress shall be hygienic, well-stitched and free from manufacturing defects, suitable for prolonged regular use.

The mattress shall be of approved make such as Sleep well or Kurlon, or any other equivalent brand approved by the Engineer-in-Charge / Employer. The complete mattress shall be placed properly on the bed, aligned correctly, and accepted only after inspection and approval by the Engineer-in-Charge / Employer.

10. Bed 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. All Hardware: The high-quality hardware like Roller slides, SS Hinges, Mini fix, SS Handels, drawer locks, wooden dowels, screw, shall be used of Hettich/ EBCO make or equivalent or as approved by engineer in-charge/employer. Commercial plywood and Laminate Make: Century ply/Green ply/Kit ply/Merino/Greenlam or equivalent/or as approved by engineer in-charge/employer).

Budgetary Estimate of furniture work for 25 Isolation Room Block at SSB Kota, Rajasthan					
Name of Agency:					
S. No.	Name of Items	Unit	Quantity	Rates per Unit including of all taxes with 3 years Warranty	Amount (In Rs.)
1	Fully Motorized Hospital Bed with mattress and SS Saline stand	Each	25		0
2	Bed side Locker	Each	25		0
3	Over Bed Table	Each	25		0
4	Wooden Almirah	Each	29		0
5	Steel Almirah for Store Room	Each	10		0
6	Reception Table	Sqmt	10		0
7	Reception Chair	Each	4		0
8	Three seater wating chair	Each	6		0
9	Single Bed with Matters for Support Room	Each	4		0
10	Bed Side Table	Each	4		0
	Total Amount in Rs.				0