

**AMENDMENT NO.-I**

**All Bidders.**

**Project Name:** “Supply, installation, testing & commissioning of furniture for Hospital Block, OPD Block, Director Bungalow, Hostel Block & Residential Block and other associated works like minor civil, electrical, PHE works etc. and their maintenance during defect liability period at PGIMER, Sangrur, (Punjab)”

**Tender No:** HSCC/PGIMER/Fur/2019, Dated: 12.09.2019

This has reference to the subject works.

The following **AMENDMENT-I/Clarification-I** may be noted, which shall be treated as a part of tender to be submitted online duly signed & stamp along with tender:-

1. Enclosed at Annexure-I

All other terms & conditions of tender shall remain unchanged.

Prospective bidders are advised to regularly scan through HSCC e-tender portal <http://www.tenderwizard.com/HSCC> and <http://www.hsccltd.co.in> and as corrigendum /amendments etc, if any, will be notified on this e- tender portal only and separate advertisement separate advertisement will not be made for this.

(-Sd-)  
Sr. Manager (Civil)  
HSCC (India) Limited

Existing Clause	Amended Clause
<p data-bbox="118 779 764 842">Technical Specification Vol-III, Hospital Furniture BOQ Item No. 1 (Patient Bed)</p> <p data-bbox="118 873 764 1367">Length of mattress platform &amp; Overall length of bed is <math>\geq 2200</math> mm &amp; <math>\leq 2250</math> mm and Width of mattress platform is <math>&gt;1000</math> mm to 1050 mm. The perforated mattress platform surface is made up of CRCA sheet having a height of 617.5 mm with thickness 1.2 mm and above. The overall length of the bed is 2200 mm and FRAME section, dimensions, thickness and material is MS ERW rectangular tube with 50 mmx30 mm or more, gauge 1.2 mm or more. The frame width is 900 mm with plastic injected leg shoe. the Height of the plastic Head board measured from mattress platform is 350 mm .The head and leg board have pipe diameter and thickness of 30mm or more .The thickness of pipe is 1.2mm or more. The maximum load capacity is 150 kg or more. The bed has provision of IV pole holder and is powder coated and is white in color.</p>	<p data-bbox="787 254 1502 317">Technical Specification Vol-III, Hospital Furniture BOQ Item No. 1 (Patient Bed)</p> <p data-bbox="787 348 1502 1892">Dimension: Overall dimensions: (L)2207mm X ( W)1060 mm X (H) Adjustable from 475mm to 755mm.5 function mechanically operated bed viz. Hi-Lo, Trend/ Reverse trend, Back rest angular movement: 70 deg; Knee rest angular movement: 24 deg. Trendlenburg 10 degree and Reverse trendlenburg 8 degree Back rest and Knee rest and lower knee rest. Safe working load: 200 kgs Patient load bearing capacity: 135 kgs. All edges in contact with patient to be rounded safely. Head &amp; Foot board should be made of blow molded Poly propylene with anti microbial additives . Head board and foot board should be with metal inserts to mound it on bed frame. Removable PP head board and foot board should have cut outs , for better gripping. The boards should have provision to paste color stickers. The stickers should made of PP material and pasted with 3M adhesive.bed frame should be made of MS ERW oval shaped tube of size 30mmx60mm of 1.6mm thick. . All corners of bed frame are provided with bumper mounting holders and it should have provision 4 iv pole holders &amp; 2 patient lifting pole holders. It is strengthened by rectangular pipe section of size 60mmx30 mm having 1.6 mm thickness. Lying surface should be made of CRCA sheet of thickness of 1.2mm thick . This lying surface should have 4 sections for bed profiling i.e. back adjustment, fixed pelvic section, upper and lower leg adjustment. Mattress platform is provided with 5 nos mattress retainers. Lower leg rest section is provided with Ratchet for leg rest adjustment. Mattress platform is strengthened by tubular frame of size 25.4mm dia x 1.6mm thickness. It should be strengthened by trapezoidal contour ( rounded corner ) 14 nos, embossed cut out. All metal components should be pre treated with zinc phosphating and then powder coated with anti microbial epoxy polyester powder coating. Bed mechanism is made of linkages which are made by HR MS flat of size 40mmW x 10mm thick. This mechanism should be operated with the help of lead screws and crank. Lead screws should be made from EN8 and ACME threads roll formed. It should be functioning on the basis of Synchronized Linear Roller Mechanism(SLRM). SLRM is assisted by tension spring covered with telescopic tube with plastic end gaps. All 4 functions are operated with the help of 4 ergonomically dedicated handles, which are made of metal inserted PP co polymer , it should be snap locked when not in use. All the four handles should be provided operating guidance stickers.4 Neoprene rotating bumpers of dia 92mm height 69mm with 40-50 shore hardness are provided at four corners to protect the bed and patient from impact and avoid damages to wall. the bed should have 125mm wheel dia, with PU tread synthetic body castor, non marking TENTE/ Stein co make castors. Out of 4 castors two should be provided with toe break, mounted at diagonally opposite position. the crank handle should be Ergonomically designed plastic handles</p>

	<p>having outward locking mechanism in 90 deg position. Handle levers fold compactly upwards with snap fit when not in use. Handles are self locking with a brass insert and a chrome plated knob with a Nylon grip. the bottom Bed frame should be made of MS ERW oval shaped tube of size 30mmx60mm of 1.6mm thick. It should be strengthened by two cross member tubes of dia 35x3mm thick. Base frame should have ground clearance of 165mm to avoid any obstruction during bed movement. base frame's foot print should inside the bed frame for ease of access to medical professionals. Base frame should have provision to mount oxygen cylinder cage. It should have trendlenburg indicator guide. The bed should be provided with PP molded side boards of 4 no's. These side boards should be with anti microbial additives and provision to paste color stickers. These side boards should be integrated with anti rusting swivel mechanism with which can be rotated on either side. This swivel mechanised side boards should be provided with self locking system at 180°.The bed should have urine bag holder on both side of the bed.The bed should ensure good quality welding " Co2 Argon" process should be adhered to. All metal components should be pre treated with zinc phosphating in 7 tank porcess and then powder coated with anti microbial epoxy polyster powder coating to fulfill the requirements for bacterial protection against at least 2 commonly found bacteria in Hospital environment [Gram positive and Gram Negative].the bed goods should be supplied in knocked down construction to reduce carbon emission. IV pole: Bed should be provided with ss made telescopic saline stand with 2 nos ss 304 made hooks for holding saline bags.</p>
<p>Technical Specification Vol-III, Hospital Furniture BOQ Item No. 04 (Emergency Recovery trolley) The trolley is of MS Frame with Thickness of tube of Bed frame is <math>\geq 1.2</math> mm and hydraulic pump for smooth functioning. The steel side rail are Collapsible. The Height of side rail from patient Surface is 315 mm and width of X ray tray is 360 mm. The Overall Length of trolley is between <math>\geq 2000</math> mm to 2100 mm. RH and LH Fastening Belts are provided of nylon with 1.3mm thk. The back has step less type back rest section tilt there is a provision of Push Pull Handles; foldable handles on head side and fixed handles on Leg side of Bed Frame. Overall Width of Patient Transfer Trolley (mm) is 720-740 mm .The base frame tube is circular. Single section mattress is required with dimension 1850-1900-1950mm(L) *650mm(W) and 100 mm thk. The mattress is Single Layer PUF with 40 Kg/cubic Meter density. Back rest section of mattress platform has radiolucent X – ray.2 section mattress platform available.4 nos. Castor wheel fixed on trolley with dia 125 mm.2 nos. centrally lockable Castor wheel (Nos) and 4 swivel wheels</p>	<p>Technical Specification Vol-III, Hospital Furniture BOQ Item No. 04 (Emergency Recovery trolley)</p> <p>The emergency trolley should be height adjustable, back rest should be adjustable and have tredelenburg and reverse trendelenburg functions. Overall Size should be in-between 2139mm(L) X 780mm(W) X (H) Adjustable from 680mm to 1055 mm Bed Frame should be made of ERW 25X50 tube with thickness of 1.6 mm Base frame should be made of ERW 25X50 tube with thickness of 1.6mm The bed should have smooth Trendelenburg and reverse trendelenburg function with assist of 2 nos Gas Spring .the gas springs should be of 530 mm length and 168 mm stoke. The bed frame should be height adjustable by assist of Hydraulic Pump stroke of 140mm.It should be smooth functioning and consistent motion during operations is required. The trolley should be provided with detachable stretcher which should be have x-ray permeable top made of high pressure compact laminate of 6mm thick. The top should be exceptional chemical and stain resistance. The fixed portion of the top should be 1065 mm (L) x 590 mm (W) and tilted back portion should be 728 mm (l) x 590 mm (W).There should be ms made x-ray cassette holder which can move along with the top length to perform x-ray on the different position. The x-ray Cassette should be top mounted. Backrest should be adjustable on ratchet for patient comfort from 0 to 70 Degree. The trolley should be provided</p>

	<p>with high end 125 mm non marking Steinco castors which should be lockable diagonally. The trolley should have Safe working Load should of 135 Kg on flat top .There should iv pole holder with ht adjustable ss made telescopic iv pole with two hooks to mount saline bags. The trolley should be provided with 8 mm dia ms zinc plating urine bag holder on both the side. The trolley should be provided with drop down ss made side rails which should provide shelter in more than half of the total bed length. the tube should be of 19 mm dia and 1.2 mm thick ss 304 made. The trolley should have 4 nos Neoprene made bumpers for Excellent Shock absorbing property. The top frame should have X ray Tray assembly made of MS CRCA sheet 1.2 thick X ray Tray can slide along the stretcher length. Provision given for changing the X ray cassette at the leg side , knob to be provided for locking the assembly during TR operation .Fail Safe Mechanism- the trolley should have Fail Safe mechanism to avoid collapse of ERT during gas spring failure for TR &amp; ATR Mechanism. The trolley should be provided with 2 nos U shaped head and foot bow at both the end to drag or push the trolley for movement. the bow should be covered with neoprene material for better grip and avoid cold shock during patient handling.MS Oxygen Cylinder Holder – Provision should be given to mount B type Oxygen Cylinder at the head side of trolley. The trolley should have MS file holder at the bottom to carry file and other accessories during patient movement. The trolley should be provided with two pair of patient safety belt .The bed should be provided with 40 density 50 mm thick PU foam mattress which should be covered by heavy helium material which is water proof, flame retardant, vapor &amp; X-ray permeable. The zip &amp; stitches for the mattress cover should be concealed. All the MS parts should be treated with nine tank pre-treatment procedure with zinc phosphate and powder coated with antimicrobial and thermosetting epoxy polyester to control the bacterial growth. The welding should be done by co2-argon welding and there should be Synerji coat on the welded areas to minimize early rusting.</p>
<p>Technical Specification Vol-III, Hospital Furniture, BOQ Item No. 05</p> <p>Overall Sizes (L)1957mm X (W)625 mm X (H)808. It has gas-lift assisted head rest with continuous adjustment from 0° to 30°.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 mmx 65 mm, Mattress and Upholstery is to be made with PU molded foam with density 50-55, 23 mm thick. Mattress is to be projecting out from the understructure to provide soft touch from all sides. (with suitable size 100% cotton bedsheets) Seamless upholstery is to be provided to avoid spread of bacteria Head rest overall dimension is 625 mm x 497 mm made of PU molded foam with 50 -55 density and 23 mm thick. Understructure is to be made</p>	<p>Technical Specification Vol-III, Hospital Furniture, BOQ Item No. 05</p> <p>Overall dimension 1975 mm (L) x 560 mm ( W) x 805 mm (H). Examination couch with three drawers with three cabinets, inbuilt step stool and BP tray holder. the base frame should made of 30 mm x 30 mm X 1.6 thick ERW tube. The cabinets should made of 1 mm thick CRCA sheet with recessed plastic handles and with lock and plastic door latch. the hinges of the cabinet should be made of sheet metal and pin arrangement. The internal dimension of the two side cabinets should be 422 mm (W) x 455 mm (D) x 540 mm (H). the internal dimension of the central cabinet should be 422 mm (W) x 455 mm (D) x 358 mm (H).The storage cabinet unit should be mount tubular base frame. The head rest should be adjustable on gas spring which should be actuated with C shaped handle lever .The drawers should made of 1 mm thick CRCA sheet with recessed plastic handles and work on double extension ball slides for</p>

<p>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, 0.8 and 0.6.</p> <p>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</p> <p>also provide wider space for gripping to users. Ergonomics: Increased width of the table (625mm) 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 ss 304 ERW tube of 12.7 mm dia and 1.2mm thick is to be provided at the back of the back rest</p> <p>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 pre treated with zinc phosphating 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.</p>	<p>smooth glide. the internal dimension of the drawer should be 330 mm (W) x 427 mm (D) x 92 mm (H) The mattress platform should be 65 mm thick which is made of 12 mm thick ply and PU foam and covered with leatherite cover. the cover should be water resistant, fire retardant, anti microbial . the cover should have in-vitro cytotoxicity test report from reputed test lab. the end of the top mattress surface should be tapered end edge for ergonomic benefit. There should be ss304 made tissue roll holder present on the lower side of the back rest. There should be 1 mm thick CRCA made step stool with leveler with double extension ball slide for smooth operation. There should be 1 mm thick CRCA made BP apparatus holder which should be adjustable in height on a SS made height adjustable rod. Total load bearing capacity should be 135 kg. The examination couch should be provided with six numbers levelers made of metal &amp; plastic for adjustment on the uneven floor.</p> <p>All the metal parts should be pre treated and powder coated with epoxy polyester powder coating. The examination couch should have CE certification from any notifying agency or its Indian counterpart, the manufacturer should have ISO 13485:2016 certification from any notifying agency</p>
<p>Technical Specification Vol-III, Hospital Block, Office Furniture, BOQ Item No. 02 Hinge Door Unit :- Size 1175mm (H)x910mm(W)x 455mm(D)</p>	<p>Technical Specification Vol-III, Hospital Block, Office Furniture, BOQ Item No. 02 Hinge Door Unit :- Size 1200mm (H)x922mm(W)x 460mm(D)</p>
<p>Technical Specification Vol-III, Hospital Block, Office Furniture, BOQ Item No. 04 Table :-</p> <p>Flat single layer pre laminated MDF board conforming to having designation PLMDF-23 of IS 14587.The desk is supplied Knocked Down To Be Assembled At Consignee Site and the understructure contains cable end and modesty panel.The single storage is provided on one side and Edges are banded with PVC tape of 2mm thick with the help of hot melt glue at table top long and plain</p>	<p>Technical Specification Vol-III, Hospital Block, Office Furniture, BOQ Item No. 04 Table :- Size 1650mm (H)x750mm(D)x 750mm(H)</p> <p>The table top material is MDF board of grade SBG II of IS 12406 and Gable end and modesty panel material is Flat single layer pre laminated MDF board conforming to having designation PLMDF-23 of IS 14587.The desk is supplied Knocked Down To Be Assembled At Consignee Site and the understructure contains cable end and modesty panel. The</p>

<p>sides. 4 nos of buffers are provided at the bottom .The thickness of table top is 25+_2 mm and thickness of cable end and modesty panel is 25+- 2 mm. Overall dimension of table +-10mm is 1500(L)* 750(D) *&amp;750(H).The dimension +-10mm of the single storage is 450mm(W) *750mm(D) and 125mm+-5 mm for smaller storage unit .The table top is in Oak shade and Laminate in color with Swede finish 0.6-0.8mm thickness of type S,F or P having index no.3.2.3 conforming to IS 2046/Latest with having balancing laminate of 0.5mm thick on other side.The product is ISO:9001:2015,ISO 14001:2015 &amp; ISO 18001:2007 certified.</p> <p>The overall height is 760 mm, seat height from floor is 440+-5mm and Thickness of material of Seat and Backrest (mm) is 1.2 mm. The desk confirms to BIFMA X 5 dot 4 and the colour of the covering material is white. All MS structure is powder coated and all steel structure is epoxy powder coated of 50 microns thickness. The seat has adjuster &amp; The warranty is of 1 years from the date of purchase. The shade of the table top is oak.</p>	<p>single storage is provided on one side and Edges are banded with PVC tape of 2mm thick with the help of hot melt glue at table top long and plain sides. 4 nos of buffers are provided at the bottom .The thickness of table top is 25+_2 mm and thickness of cable end and modesty panel is 25+- 2 mm. Overall dimension of table +-10mm is 1650(L)* 750(D) *&amp;750(H).</p> <p>The dimension +-10mm of the single storage is 450mm(W) *750mm(D) and 125mm+-5 mm for smaller storage unit .The table top is in Oak shade and Laminate in colour with swede finish 0.6-0.8mm thickness of type S,F or P having index no.3.2.3 conforming to IS 2046/Latest with having balancing laminate of 0.5mm thick on other side.The product is ISO:9001:2015,ISO 14001:2015 &amp; ISO 18001:2007 certified</p>
<p>Technical Specification Vol-III, Hospital Block, Office Furniture, BOQ Item No. 05 MS Table :-</p> <p>The table top Material is MDF board of Grade SBG II of IS:12406 and Gable end and modesty panel material is Flat single layer pre laminated MDF board conforming to having designation PLMDF-23 of IS 14587.The desk is supplied Knocked Down To Be Assembled At Consignee Site and the understructure contains cable end and modesty panel.The single storage is provided on one side and Edges are banded with PVC tape of 2mm thick with the help of hot melt glue at table top long and plain sides. 4 nos of buffers are provided at the bottom .The thickness of table top is 25+_2 mm and thickness of cable end and modesty panel is 25+- 2 mm.Overall dimension of table +-10mm is 1800(L)* 900(D) *&amp;750(H). The dimension +-10mm of the single storage is 450mm(W) *750mm(D) and 125mm+-5 mm for smaller storage unit .The table top is in Oak shade and Laminate in colour with swede finish 0.6-0.8mm thickness of type S,F or P having index no.3.2.3 conforming to IS 2046/Latest with having balancing laminate of 0.5mm thick on other side.The product is ISO:9001:2015,ISO 14001:2015 &amp; ISO 18001:2007 certified.</p> <p>The overall height is 760 mm,seat height from floor is 440+-5mm and Thickness of material of Seat and Backrest (mm) is 1.2 mm.The desk confirms to BIFMA X 5 dot 4 and the colour of the covering material is white. All MS structure is powder coated and all steel structure is epoxy powder coated of 50 microns thickness. The seat has adjuster &amp; The warranty is of 1 years from the date of purchase. The shade of the table top is oak.</p>	<p>Technical Specification Vol-III, Hospital Block, Office Furniture, BOQ Item No. 05 MS Table :-</p> <p>The table top Material is MDF board of Grade SBG II of IS:12406 and Gable end and modesty panel material is Flat single layer pre laminated MDF board conforming to having designation PLMDF-23 of IS 14587.The desk is supplied Knocked Down To Be Assembled At Consignee Site and the understructure contains cable end and modesty panel.The single storage is provided on one side and Edges are banded with PVC tape of 2mm thick with the help of hot melt glue at table top long and plain sides. 4 nos of buffers are provided at the bottom .The thickness of table top is 25+_2 mm and thickness of cable end and modesty panel is 25+- 2 mm.Overall dimension of table +-10mm is 1800(L)* 900(D) *&amp;750(H). The dimension +-10mm of the single storage is 450mm(W) *750mm(D) and 125mm+-5 mm for smaller storage unit .The table top is in Oak shade and Laminate in colour with swede finish 0.6-0.8mm thickness of type S,F or P having index no.3.2.3 conforming to IS 2046/Latest with having balancing laminate of 0.5mm thick on other side.The product is ISO:9001:2015,ISO 14001:2015 &amp; ISO 18001:2007 certified</p>

Technical Specification Vol-III, Director Bungalow, BOQ Item No. 02 Double Bed Mattress, Size:- 78"x72"	Technical Specification Vol-III, Director Bungalow, BOQ Item No. 02 Double Bed Mattress size shall be as per bed.
Bidder must have executed at least one work of Hospital Furniture of an amount equal to 40% of the estimated cost.	Bidder must have executed at least one work of any value of Hospital Furniture.
The Site is located at PGIMER, Chandigarh, (Punjab)	The Site is located at PGIMER, Sangrur, (Punjab)