

All Bidders

**Amendment-1**

**Subject:** Tender for Package-II: Supply, installation, testing & commissioning of Hospital & office Furniture & other associated works like minor civil, electrical, PHE works etc. for additional floors of Trauma Centre in Trauma Centre of AIIMS, Ansari Nagar, New Delhi

Dear Sir,

This has reference to the pre bid meeting held on 03.05.2016 for captioned subject works,

Please find enclosed the revised specifications at Annexure-1 as an AMMENDMENT-1/CLARIFICATION-1 may be noted, which shall be treated as a part of subject tender.

**Item no 9 of specification stands deleted. Images are only indicative.**

**The following Amendments also may be noted as under:**

Sl no	Existing Provision	Amended provision
1	As per Clause no 3.3 of Vol-I of PQ : Agency must have their own manufacturing unit since 05 years with following facilities, own machineries including ownership proof along with affidavit and installed machinery photograph to be submitted and registrations  ISO- 9001-2000,ISO- 14001-2000,OHSAS-18001, BIFMA Membership Certificate, Computer controlled Multistation edge bending machine, Computer controlled Press brake for sheet metal bending, Hot Hydraulic Press Machine for laminate, Membrane Pressing Machine, Factory act license , PF registration.	<b>May be read as :</b> Clause no 3.3 of Vol-I of PQ : Agency must have their own manufacturing unit since 05 years with following certificates, own machineries including ownership proof and installed machinery photograph to be submitted:  ISO- 9001-2008,ISO- 14001-2004,OHSAS- 18001, Factory act license , PF registration.

**Amendments to be submitted online duly signed & stamp along with tender.** Other conditions of tender will 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> as corrigendum/amendments etc., if any, will be notified on these websites only and separate advertisement will not be made for this

Thanking you,

Project Coordinator, HSCC (I) Ltd

**Package-II: Supply, installation, testing & commissioning of Hospital & office Furniture & other associated works like minor civil, electrical, PHE works etc. for additional floors of Trauma Centre in Trauma Centre of AIIMS, Ansari Nagar, New Delhi**

			<b>Annexure-I</b>
			<b>Revised Specification also superceds BOQ description</b>
<b>S.No.</b>	<b>BOQ Item No.</b>	<b>Name of furniture</b>	<b>Revised Specification</b>
<b>1</b>	<b>1&amp;2</b>	ICU bed with mattress	<p>Fully automatic wire remote control with back rest up down, knee rest up-down, trendelenburg and reverse trendelenburg, hi-low position controlled through noiseless electro mechanical actuators operated by soft touch attendant( nurses')control panel. The overall dimension should be varies from 2140-2210 mm (L) x 1000-1030 mm(W)x Height adjusted from 480mm to 840 mm without mattress. Base frame should made of 30mmx 60mm 2mm thick CRCA rectangular tube with the bed frame of 50x 25mm and 40 x20mm, 2mm thick rectangular tube. Bed should have four section lying surface with ABS vacuum form with antimicrobial property which should be easily removable, washable to maintain hygiene with integrated mattress retainer. The bed should have four numbers of Polly propylene molded side board with drop down mechanism, completely collapsible to maintain zero transfer gap. There should be 4 nos of bumpers given at the four corners made up of neoprene with excellent shock absorbing property. In order to achieve the Deep vein Thrombosis (DVT) position, the lower leg rest portion of the bed frame should have the provision of a ms zinc plated ratchet( Hettich or equivalent make) .The ratchet should be adjustable in eight different positions. The back rest, Knee rest &amp; other positions should be operated up to 70 degree, 24 degree and 15 degree respectively (Should work in all operating heights).The head board and leg board should be with 3mm wall thickness. The head board, leg board &amp; side boards should have provision for color stickers &amp; made of moulded Polly propylene with antibacterial additives. Both the head &amp; leg board should be removable without locking mechanism for ease of use during emergency. There should be four nos of nylon moulded patient lifting pole holders and saline stand holders provided at the four corners of the bed. The bed should be provided with 125mm plastic injection moulded twin wheel castors with central and directional locking facility (Tente or equivalent make). The castors should be provided with MS round tube made auxiliary brake.</p> <p>It should have accessories like urine bag holders; ms chrome plated linen tray and provision for bed extension upto 180mm.The bed should have provision for front loading medium sized ms made oxygen cylinder cage. The unit should have the total load bearing capacity of 300kg with patient load bearing capacity of 135kg. The unit should work on power input of 230v +/- 15% and 50-60 HZ as appropriate fitted with Indian plug. All the MS parts should be treated with pre-treatment procedure with zinc phosphate and powder coated with antimicrobial and thermosetting epoxy polyester to control the bacterial growth. Bed should be provided with IV pole.</p> <p>This SS made IV pole should be of MS frame and SS made saline stand which can be fitted on the bed. The bed should be provided with 40 density 100 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. The Manufacturer adheres to a certified quality management system in compliance with CE certified standard.</p>

2	3	Full Fowler with Mattress	<p>Bed should be four function bed with high low, back rest and knee rest function powered by means of 3 actuators. The fourth function of Tendelenburg should be manual. Overall size varies from 2160-2260 mm(L) x1020-1060 mm (W) x ht adjustable from 520 mm to upto 770 mm. Bed should have bottom frame of ERW oval tube of section 30 mm X 60 mm with thickness of 1.6 mm and ERW round tube of section 35 mm and thickness 3 mm Bed should have top frame of ERW oval tube of section 30 mm X 60 mm with thickness of 1.6 mm and ERW Round tube with section 35 mm and thickness 3 mm HRMS Linkage of 40 mm Section and 10 mm thickness. Actuators (TI Motion) should be noiseless and smooth in operations Patient Handset should be given which should be ergonomic for operating the actuators for bed profiling on standard Lead screw with Acme thread of 6mm pitch to be given to give good strength with ease of operation Snap locking handle lever with handle body keep it in folding position when not in use. Neoprene/rubber bumpers to be provided which have excellent shock absorbing property which provides strength and durability Polly Propylene Molding with anti microbial additives side board to be provided Head Board and leg board to be made of Polly Propylene molding antimicrobial additives with section of 37mm Broad &amp; 3.5 mm wall thickness Lying surface should be of CRCA made of 1.2 mm thickness which should consist of mattress retainer to define the position of mattress Castors to be provided of Tente or equivalent make with high endurance plastic injection molded ,and provided with dual locking arrangement diagonally placed , wheel dia should be 125mm &amp; Stem dia is 22 mm Auto Contour function should be available on handset where user can operate two function of backrest and knee rest by pressing single key Adjustable IV Pole should be provided along with the bed The bed should be provided with 40 density 100 mm thick PU foam mattress which should be covered by heavy helium material which is water proof, flame retardant, vapor &amp; X-ray Permeable. Anti microbial epoxy polyester powder coating to be done Maximum safe working load to be 135 vKg, Tendelenburg (Head Low) of 10 + / - 2 degree and Reverse Tendelenburg of 8 + / - 2 Degree can be achieved at examination height of 610 mm onwards. Backrest elevation 70 degree +/- 2 degree. Knee rest Elevation 25 + / - 2 degree.</p>
3	4	Attendant Bed	<p>Overall Sizes varies from :(L)1970-1990 mm X ( W) 800-920 mm X (H) 400-550 mm. Bottom frame: made of MS ERW round tube dia 25.4 mm thick of 2.3 mm .top Frame :MS erw oval tube 30 mm X 60 mm oval 1.63 mm thick . Top sheet of CRCA 1.2 mm thick storage sheet of 1.2 mm thick Powder coated anti microbial and thermosetting epoxy polyester formulated to fulfill the requirement for bacterial protection .Max safe load of 135 Kg.</p>
4	5	Bed Side Locker	<p>Overall Size varies from (L) 480-490 mm X (W) 390-410 mm X (H) 900-950mm.Locker should have one cabinet with lock and one drawer unit with plastic molded handle. There should be a space between the drawer unit and cabinet, to keep the general items for frequent use. Cabinet should be provided with lock to keep the valuable items for safety. Drawer unit is without a lock to keep the general items. Castors are provided for easy handling. Corner Tube should be made of MS ERW round tube Ø 25.4mm and 1.2 mm thickness. Drawer should be made of CRCA sheet 0.8 mm thick. Sliders: Telescopic ball slides are used for easy and smooth operation of the drawer. Cabinet: Cabinet should be provided with a lock. Tops made of ABS should have recessed and contoured shape for better aesthetics and usability. Knob: Matt finish plastic knob with generous radii - and dome shape for better grip. Castors: Ø50mm Plastic molded castor for better leveling and strength. Powder coating should be Bacteria proof and thermosetting epoxy polyester, formulated to fulfill the requirements for bacterial protection. All powder coated parts in RAL white. Plastic parts in Grey. Performance Specs: 5 kg UDL each on Top, on First Drawer and on Mid Shelf. 10 kg UDL in Cabinet. CE certified</p>

5	6	Crash Cart	Overall dimension of L 800-855 W 350-425 H 1490- 1530 mm. SS 304 grade made top sheet with 2mm thickness should be used. Middle & bottom sheet should be used made of SS 304 grade with thickness 1mm. SS 304 grade frame bar with section of 25.4, 19, 1.2 & 16mm should be used. MS plated Cylinder case should be used welded with cylinder holding unit to hook giving the curve bend at the bottom to hold the cylinder. SS 304 grade pipe of section 12mm should be used to provide provision to mount IV rod. High endurance anti static, plastic injected molded 4 swivel castors of dia 125mm should be used & should have provision for diagonal locking. SS 304 handle pipe should have section of 25.4mm with length of 365mm & should have thickness of 1.2mm giving a glossy finish. SS 304 tubular frame should have five different colored removable bins mounted on top shelf and two polystyrene lockable storage units with three drawers each. The top drawers should have containers of different sizes. Thermosetting epoxy polyester with semi gloss finish powder coating must be used. Safe working load must be 40kgs.
	7	Attendant Stool /Patient Stool	Overall Sizes Diagonal Leg Dia 538 mm and Height Adjustable varies from 465-480 min- 650-680 mm max.SS 202 made sheet with spin section of thickness 1mm & should be non corrosive. It should have a diameter of 305mm; seat base is made of SS ring and rectangular tube.EN8 Screw having dia of 22 mm should be used for height adjustment of the seat base. The hub should be made of MS ERW tube having dia of 38mm and thickness 2 mm. The Hub should be welded with the legs and it should accommodate and cover the lead screw mechanism. The understructure should consist of 4 legs made up of MS ERW tube of diameter 25.4 mm and 1.6mm thick. The press formed pipe leg should give a round & clean look. All the legs should be provided with 4 nos of Nylon-6 bush. All metal components should be pre treated with zinc phosphating passing through tank process and then powder coated with anti microbial epoxy polyester powder coating. All welding should be Co2 argon welding to minimize rusting on the welding areas. Safe working load mu semi gloss
	8	Folding wheel Chair	Overall Sizes varies from (L) 790-1060 mm x (W) 600-670mm x (H) 870-940mm.Foldable frame structure should be made of section 22diax1.2mm A3 carbon steel with chrome finish. Cross bar should be made of A3 carbon steel with section 25.4 x 1.2mm.Rear Wheel: 24 inch Solid mag wheels with alloy in the rim. Integrated hand rim provide to drive the wheel chair of section 16x1.2mm A3 carbon steel with chrome finish. Front Wheel: 8 inch HUB made of PA polymer and outer with solid rubber. PU molded arm rest & base should be made of ABS for better arm support. Leatherette strap for calf rest & leatherette cushion for seat. Adjustable aluminium die cast foot rest with up down & swivel type mechanism. Handles should be made of molded rubber grip to push the wheelchair. Hand brakes should be provided to lock the wheelchair at desired location. Foot Press Extended base with molded plastic for better grip. Anti rust chrome finish. Safe work load of 100 Kg.
	9	Instrument trolley with Bowl & Bucket	SS 304 sheet should be used at top for the placement of the instruments being used & also for easy portability.SS 304 sheets should be at the top as well as bottom shelf for keeping the instrument being used. Horizontal bars should be welded with legs to provide protection at sides with supporting legs for sturdy structure. Castors of 125mm Dia. should be used for easy in movement. Spin section should be provided to the bowl giving an aesthetic look & also bucket should be provided with removable lid & a handle to lift the bucket. Overall Dimension must varies from 1010-1230mm X 500-531mm X 900-920mm H. Maximum safe working load must be 40kg

10	Foot step	Overall dimension should varies from 475-510mm(L)X300-335mm(W)X200-230mm(H).It should be made up of MS 19mmX19mm section of thickness 1.2 mm. Stool top should be made up of MS of thickness1.2mm.steps should be provided with rubber Mat/Aluminium thread at top. Maximum safe work load should be 135 kg. To ensure good quality welding " Co2 Argon" process should be adhered to. All metal components should be pre treated with zinc phosphating passing through tank treatment process and then powder coated with anti microbial epoxy polyester powder coating .proof loading test, cycle tests, impact test, horizontal & vertical load tests for side rails, salt spray test, castor break test, pull test for head and foot board. The manufacturer should compliant with CE certification.
11	Kick Bucket	Over all dimension of the bucket should be 380-500 mm (L) x 380-500 mm ( W) x 200-350 mm H. It should make of 12.7 mm dia and 1.6 mm thick ss 304 ring. The bowl should be ss made of .8 mm thick.3 nos 50 mm dia high endurance plastic injection molded castors should be provided for the movement. Maximum load bearing capacity should be 10 kg.
12	Medicine trolley	Overall Size varies from 900-915mm (L) X 500-530mm (W) X900-915mm (H).Top Shelf made of SS 304 Sheet of 1 mm thick. Supporting legs made of SS304 tube section 30.30 mm dia.of 1.2 mm thick provided to support the entire structure.SS 304 tube provided at the bottom for placement of instrument being used .Handle made up of SS 304 tube of dia 16 mm and thickness 1.2 mm provided to handle trolley .and maneuver accordingly. High Endurance anti static plastic Injection Molded castors of 125 mm dia.SS should be finished in glossy mirror finish. Max load capacity of 10 kg/shelf UDL.
12	Saline Stand	Height adjustable saline stand should be mounted on 4/5 pronged castor base, base circle should have dia of 695 mm and stand ht should be adjustable ranges from 1400-1560 mm to 2100-2600 mm. Stand should be combination of fixed and adjustable tube. Fixed ms tube should be with 31.75mm dia 1.2 mm thick and telescopic ss tube should be 19mm dia 1.6 mm thick ss 304 made. The height of the SS telescopic tube should be adjustable by ms toughened nickel plated knob. The stand should have 4 nos 8 mm dia ss hooks for holding saline bags, maximum safe working load should be 3 kg per hook. Base frame should be mounted on 50 mm dia 4 nos high endurance anti static plastic moulded castors provided with diagonally lockable. All metal components should be pre treated with zinc phosphate in tank process and then powder coated with anti microbial epoxy polyester powder coating. Powder coating should be antimicrobial and thermosetting epoxy polyester, formulated to fulfill the requirements for bacterial protection.

	14	OBT on crank	<p>Overall dimension varies from:(L)890-970 mm X ( W) 390-425 mm X (H) Adjustable from 710 mm- 1080mm . Table top Height can be adjusted with the help of operating lever and with help of plastic gear which is smooth and noise less.Base frame should be made of ERW Round Tubes(35 mm dia) and Oval Tubes(30X60 mm)Housing should be made of ERW Round Tubes(76.10mm).Operating lever Handle : Plastic injection molded lever handle with SS rod insert making strong and provides the wider area for the grip.Telescopic column with leadscrew EN8 ACME thread on Crank for smooth height adjustment of table top height.Table top frame should be made of MS tube 1.2 mm thickness, should be designed to hold the top as well as extension works as a handle for the handling of over bed table.Top: MDF top, should give anti scratch Property with good surface finish. Also Glass Holder profiling should be provided on to it.Castors: High endurance anti-static,Plastic injection molded castors are provided of Ø50mm.Powder coating should be Bac semi gloss finish powder coating must be used. Safe working load must be 40kgs.r coated parts in RAL white. Plastic parts in Grey. Performance Specs: 5</p>
	15	Examination Couch	<p>Overall Sizes varies from (L) 1900-1955mm X (W) 800-950 mm X (H) 800-840mm. Elixir 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. Mattress and Upholstery is made with PU molded foam with density 50-55, of 625mm x 65mm section, of 23 mm thickness. Mattress is projecting out from the understructure to provide soft touch from all sides. Seamless upholstery is provided to avoid spread of bacteria Head Rest is made of PU molded foam with density 50-55, Section is made of 625mm x 65 mm. Thickness is 23 mm.Gas-lift assisted head rest with continuous adjustment from 0° to 30°.UnderStructure and top frame is made of of ERW square tube, os section 30mm X 30mm and 1.6 mm. Understructure is made of MS square tubes with unique styling that provides better strength and stability. It is provided to reduce visual clutter and semi gloss finish powder coating must be used. Safe working load must be 40kgs.r coated parts in RAL white. Plastic parts in Grey. Performance Specs: 5 kg UDL each on Top, on First Drawer and on Mid Shelf. 10 kg UDL in Cabinet. CE certified t &amp; other positions should be operated up to 70 degree, 24 degree and 15 degree respectively (Should work in all operating heights).The head board and leg board should be with 3mm wall thickness. The head board, leg board &amp; side boards should have provision for color stickers &amp; made of moulded Polly propylene with antibacterial additives. Both the head &amp; leg board should be removable without locking mechanism for ease of use during emergency. There should be four nos of nylon moulded patient lifting pole holders and saline stand holders provided at the four corners of the bed. The bed should be provided with 125mm plastic injection moulded twin wheel castors with central and directional locking facility (Tente or equivalent make). The castors should be provided with MS round tube made auxiliary brake.</p> <p>It should have accessories like urine bag holders; ms chrome plated linen tray and provision for bed extension upto 180mm.The bed should have provision for front loading medium sized ms made oxygen cylinder cage. The unit should have the total load bearing capacity of 300kg with patient load bearing capacity of 135kg. The unit should work on power input of 230v +/- 15% and 50-60 HZ as appropriate fitted with Indian plug. All the MS parts should be treated with pre</p>

	16	Strtcher on trolley	Overall Sizes varies from 2000-2030mm (L) X570-670mm (W) X810-830mm (H).The trolley should be made of 31.75 and 25.4 mm dia 1.6 mm thick ERW tube. Holder for stretcher should be made up of mild steel. Castor should be of 200 mm dia, diagonal locking castor. Stretcher should be made up of ERW tube of dia 25.4 mm and thickness 1.6 mm.Top sheet should be made of CRCA sheet of thickness 1.2 mm with contour shape to accommodate patient.IV pole holder should be made of MS .Maximum safe work load should be 135 kg.To ensure good quality welding " Co2 Argon" process should be adhered to. All metal components should be pre treated with zinc phosphate passing through tank process and then powder coated with anti microbial epoxy polyester powder coating. Goods should be supplied in knocked down construction to reduce carbon emission. Performance Test: proof loading test, cycle tests, impact test, salt spray test, castor break test, The manufacturer should compliant with CE certification.
	17	Oxygen Cylinder trolley	Suitable for more than 1300 litre gas cylinder and also MS Oxygen cylinder trolley suitable for B type oxygen cylinder. The overall dimension should be 410 mm (L) x 375 mm (W) x 1112 mm (H).The main frame should made of 25.4 mm dia 1.6 mm thick ERW tube with 10 mm dia ms made locking rod to keep the cylinder position during transit. The trolley should be provided with 100 mm dia 25 mm thick PU wheel for longer durability. LDPE made leg bush should be provided on the legs. Max load bearing capacity should be 50 kg.
	18	Soil Linen Trolley	It's a trolley mounted on castors for ease of movement and has washable fabric which should accommodate the linen. Overall size PCD 625mm X955mm .base frame should be made from ERW TUBE 25 .4 mm dia 1.6 mm thick. MS rod with 10 mm dia . Casement fabric bag to accommodate linen. 50 mm dia castor wheel for ease of movement. Thermosetting epoxy polyester powder coating Max safe load 10 kg.
	19	Trauma Care Trolley	Should be a portable screen on castor having three screens which should be folded to provide privacy in ward. Overall size 2500-2650 mm (L) X550-640 mm (W) X1650-1750 mm (H). Fix frame of ERW tube of section 25.4 mm dia and thickness 1.2 mm .movable frame of ERW tube 19.05 mm dia and 1.2 mm thick. Flexible frame should have plastic hinge which can be adjusted in provided space. Leg frame should have ERW tube of sq 30 sections and 1.6 mm thickness. 50 mm castor wheel provided for ease of movement. Plastic bush for folding pipe .screen should be of casement fabric for screen which is opaque for providing modesty. powder coating of epoxy polestar finish