

All Bidders

Amendment -II

Name of work:- Tender for “Supply, installation, testing & commissioning of Modular type office & Laboratory Furniture & other associated works like minor civil, electrical, PHE works etc. for Surgical block at AIIMS, Ansari Nagar, New Delhi”.

Tender reference no: - **HSCC/AIIMS/Surgical-office & Lab Fur/2015, Dated 25/01/2016**

This has reference to the Pre-bid meeting held at 15:00 hrs on 05.02.2016 at HSCC Corporate office Noida for the captioned subject works.

The following AMMENDMENT-II/ CLARIFICATION-II enclosed at Annexure-I may be noted, which shall be treated as a part of the contract to be submitted along with tender.

Other all terms & conditions of tender shall remain unchanged.

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

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Chief General Manager (PG-II)

Name of work : Supply, installation, testing & commissioning of Modular type office & Laboratory Furniture & other associated works like minor civil, electrical, PHE works etc. for Surgical block at AIIMS, Ansari Nagar, New Delhi

		Amendment-2	Annexure-I
S.No.	BOQ item Description	Existing Conditions /Specification	Clarification
1	Chair for Director Room, Technician , Consultant , Faculty Room	High Back Revolving Chair	
		Upholstry/Frame : Nylon frame in back covered with nylon net Lumbar support adjustable for extra comfort with adjustable headrest & hot pressed ply in seat having moulded Polyurethane foam & upholstered with fabric	The Seat is made up of insert moulded polyurethane Foam upholstered with foam laminated mesh back. The insert moulded foam to be assembled over a load bearing plastic seat cover.The back to be made up of two piece injection moulded frame.The inner frame is upholstered with mesh back and mounted on the main assembly. The back should have adjustable lumber support.Polyurethane Foam for seat to be of density =65 +/- 5 KG per meter cube
		Arms : Adjustable Polyurethane arm	The armrest top is injection molded in polyurethane and mounted on the injection molded ht. Adjustable type armrest. The armrest height is adjustable upto 45 mm+- 5mm in 3 steps & width adjustment upto 20mm
		Standard Mechanism : Center tilt	Front pivot synchro mechanism with 360 degree revolving , Single point control, Tilt tension adjustment,4 position locking with anto shock feature
		Base : Nylon base with twin wheel castors	Spine bracket to be made of Aluminium Die cast piece connecting back and mechanism
			Neck rest assembly is made of polyurethane foam upholstered with foam laminate mesh fabric. The neck rest assembly to be mounted on the topof back. It can be adjusted upto 45mm +-5 mm up-dn and has angular adjustment of 30 degree +-2 degree
			Pedestal to be made of aluminium die cast fitted with 5 nos. Twin wheel castors with injection moulded in black nylon
2	Visitor chair for Director Room, Technician , Consultant , Faculty Room	Mid Back Revolving Chair	
		Upholstry/Frame : Nylon frame in back covered with nylon net Lumbar support adjustable for extra comfort & hot pressed ply in seat having moulded Polyurethane foam & upholstered with fabric.	The Seat is made up of insert moulded polyurethane Foam upholstered with foam laminated mesh back. The insert moulded foam to be assembled over a load bearing plastic seat cover.The back to be made up of two piece injection moulded frame.The inner frame is upholstered with mesh back and mounted on the main assembly. The back should have adjustable lumber support.Polyurethane Foam for seat to be of density =65 +/- 5 KG per meter cube
		Arms : Adjustable Polyurethane Arms	The armrest top is injection molded in polyurethane and mounted on the injection molded ht. Adjustable type armrest. The armrest height is adjustable upto 45 mm+- 5mm in 3 steps & width adjustment upto 20mm
		Standard Mechanism : Center tilt	Front pivot synchro mechanism with 360 degree revolving , Single point control, Tilt tension adjustment,4 position locking with anto shock feature
		Base : Nylon base with twin wheel castors	Spine bracket to be made of Aluminium Die cast piece connecting back and mechanism
			Neck rest assembly is made of polyurethane foam upholstered with foam laminate mesh fabric. The neck rest assembly to be mounted on the topof back. It can be adjusted upto 45mm +-5 mm up-dn and has angular adjustment of 30 degree +-2 degree
			Pedestal to be made of aluminium die cast fitted with 5 nos. Twin wheel castors with injection moulded in black nylon

3	Chairs for Office, ECO, MRD, CSSD, X-Ray, CT Scan & Duty Room	High Back Revolving Chair	
		Upholstry/Frame: 12 mm hot pressed ply in seat and back with Polyurethane moulded foam and	Upholstry/Frame: 12 mm hot pressed ply in seat and back with Polyurethane moulded foam and
		fabric upholstered with PVC lipping all around.	fabric upholstered with PVC lipping all around. The high resilience polyurethane foam is moulded with density 45 +2kg/meter cube and hardness load 16 +2 kgf as per IS:7888 for 25% compression
		Arms: Steel inserted Polyurethane arms	The one piece armrest made of black intergral skin polyurethane with 50-70 shore a hardness and reinforced with MS insert. The armrest are scratch and weather resistant fitted to seat with seat / armrest connecting strip assembly made of 0.5 +0.05 cm thick HR Steel
		Standerd Mechanism : Central tilt Mechanism	Centre Tilt Mechanism with 360 degree revolving type, 17 degree +-2 degree maximum tilt on pivot at centre, upright position lock , Tilt Tension adjustment
		Height Adjustment : Gas Lift	
		Base : Steel Inserted Polypropylene Co Polymer Base with twin Wheel Castors/Nylon base with	The pneumatic height adjustment has an adjustment stroke of 12 .0 +-0.3 cm, The bellow is 3 piece telescopic type and injection moulded in black polyurethane . The Pedestal is injection moulded in 33% glass filled Nylon-66 and fitted with 5 nos. Twin wheel castors. The pedestal is 76.3 +-1.0 cm with castors
	twin wheel castors	Twin wheel castors are injection moulded in Black nylon	
4	Visitors Chairs for Office, ECO, MRD, CSSD, X-Ray, CT Scan & Duty Room	Fixed Base chair	
		Upholstry/Frame: 12 mm hot pressed ply in seat and back with Polyurethane moulded foam and	Upholstry/Frame: 12 mm hot pressed ply in seat and back with Polyurethane moulded foam and
		fabric upholstered with PVC lipping all around.	fabric upholstered with PVC lipping all around. The high resilience polyurethane foam is moulded with density 45 +2kg/meter cube and hardness load 16 +2 kgf
5	Chair for workstation	Medium Back Revolving Chair	
		Upholstry/Frame : Seat made in 12mm hot pressed plywood with moulded Polyurethane cushion	The seat and back is made up of 12mm thick hot pressed plywood and upholstered with fabric and moulded polyurethane foam together with seat and back covers.
		upholstered with fabric & bottom seat cover in Polypropylene Copolymer & Back is made in	The back foam is designed with contoured lumber support for extra comfort
		Polypropylene Co polymer with inner and outer back with moulded Polyurethane cushion	The high resilience polyurethane foam is moulded with density 45 +2kg/meter cube and hardness load 16 +-2 kgf
		upholstered with fabric.	The seat and back covers are injection moulded in black Co-polymer polypropelene
		Arms : Steel inserted Polyurethane arms	The one piece armrest made of black intergral skin polyurethane with 50-70 shore a hardness and reinforced with MS insert. The armrest are scratch and weather resistant fitted to seat with seat / armrest connecting strip assembly made of thick HR Steel
		Standerd Mechanism : Push back Mechanism	Push Back Permanent Contact Mechanism with 360 degree revolving type, 14 degree +-2 degree maximum back tilt only, upright position lock , Tilt Tension adjustment
Base : Steel Inserted Polypropylene Co polymer Base with twin Wheel Castor	The pedestal is fabricated from 0.2 +-0.02cm thick HR sheet powder coated at dft 40-60 micron and fitted with and injection molded black polypropylene hub cap and 5 nos. Twin wheel castors.		
		Twin wheel castors are injection moulded in Black nylon	
		Linear Workstation	
		Worktop 25mm Post formed is mentioned in specification but in BOQ top 25mm is mentioned.	Table Top shall be in 25mm post formed

6	Chairs for Conference Room & Meeting Table	Medium Back Revolving Chair		
		Upholstry/Frame : One piece ply in seat & back with foam & polyfill and leatherite upholstery		
		with silver bidding all around	The seat is made up of 12 mm thick hot pressed plywood upholstered with synthetic leather and moulded polyurethane foam. The back is made of 12 mm thick hot pressed plywood and upholstered with replaceable synthetic leather upholstery covers and moulded polyurethane foam. The back ply and foam is designed with contoured lumber support for comfortable seating posture	
		Arms : Chrome finish arms with leatherite foam pad	The high resilience polyurethane foam is moulded with density 45 +2kg/meter cube and hardness load 16 +2 kgf	
		Standard Mechanism : Torsion bar Mechanism	The armrest top is made of moulded polyurethane and mounted on to the drop lift height adjustable type MS tubular armrest support chrome plated. The armrest height is adjustable upto 65mm +5mm in 5 steps and also swivel adjustment of 22 degree +2 degree on both sides.	
		Height Adjustment : Gas Lift	Knee tilt synchro mechanism with seat depth adjustment mechanism with 360 degree revolving type, front pivot for tilt with feet resting on ground ensuring more comfort, Tilt tension adjustment 4 position lock with anti shock feature, seat back tilt ratio 1:2, seat depth adjustment can be locked in 6 position	
		Base : Chrome plated base with twin wheel castors	The backrest consist of sliding up down mechanism which can be adjusted and can be locked in 4 position.	
				The pneumatic height adjustment . The pedestal is fabricated from thick HR sheet, chrome plated and assembled with injection moulded black polypropylene hub cap and 5 nos. Twin wheel castors.
		The twin wheel castors are injection moulded in black nylon		
7	Chairs for Nurse Stations, Kiosk & Reception Table	Medium Back Revolving Chair		
		Upholstry/Frame : Nylon frame in back covered with nylon net & hot pressed ply in seat covered	The seat and back is made up of 12mm thick hot pressed plywood and upholstered with fabric and moulded polyurethane foam together with seat and back covers.	
		with Polypropylene covers having moulded Polyurethane foam & upholstered with fabric	The back foam is designed with contoured lumber support for extra comfort	
		Standard Mechanism : Push Back Mechanism	The high resilience polyurethane foam is moulded with density 45 +2kg/meter cube and hardness load 16 +2 kgf	
		Height Adjustment : Gas Lift	The one piece armrest made of black intergral skin polyurethane with 50-70 shore a hardness and reinforced with MS insert. The armrest are scratch and weather resistant fitted to seat with seat / armrest connecting strip assembly made of thick HR Steel	
		Base : Nylon base with Nylon twin wheel castors	Push Back Permanent Contact Mechanism with 360 degree revolving type, 14 degree +2 degree maximum back tilt only, upright position lock , Tilt Tension adjustment	
				The pneumatic height adjustment with 3 piece telescopic type injection moulded in black polypropylene.
				The pedestal is fabricated from thick HR sheet powder coated fitted with and injection molded black polypropylene hub cap and 5 nos. Twin wheel castors.
		Twin wheel castors are injection moulded in Black nylon		
8	Multi seater chair	Three seater imported multiseater chair		
		Leg & Armrest assembly : Chrome plated made of cold rolled steel	Cross beam: made up of black powder coated rectangular MS ERW tube	
		Cross beam : Black powder coated rectangular MS ERW tube	Leg and armrest are chrome plated made up of Cold rolled steel of required thickness	
		Seat & back shell : 1.6 mm thick powder coated perforated shell	Seat Back shell : is powder coated perforated shell made of cold rolled MS sheet of required thickness. The side bar is made up of chrome plated solid steel with fluting and plastic inserts. The shell is assembled on the cross beam with help of MS bolts as required.	

S.No.	BOQ item Description	Existing Conditions /Specification	Calrification
9	Tables for Director Room, Technician, Consultant Room & Faculty Room	MAIN TABLE of size 1350W x 600D x 750H with top made of overall 36mm with combination of 18mm Laminated Chip Board & 18mm Membrane molding, Verticals in 18mm Laminated Chip Board & Modesty in 18mm Laminated Chip Board with rectangular Silver membrane patch on facia.	Main TOP : MDF + Veneer + PU Coating , Size 1800 mm (W) X 900 mm (D) X 750 mm (H) TOP Thickness 65 mm Modesty : Size : 1640 X 600 X 16 mm , MDF + Veneer + PU Coating Mobile Pedestal : MDF+ Veneer + PU COATING Size :510 (W) X 635 (H) X 445 (D) mm
		SIDE UNIT of size 900W x 450D x 725 with top made of 25mm thick Laminated Chip Board with Body & Facia in 18mm Laminated Chip Board with shutter on one side & one open shelf & 1D+1F on other side	ERU Top : MDF + Veneer + PU Coating 1200 (W) X 445 (D) X 660 H , Top thickness 25 mm IN all PU Coating hardness is 1.5 H
		Keyboard tray of size 500x220x75mm made up of CRCA 1.2mm thick steel sheet duly powder coated having provision for mouse tray. The Keyboard tray runs on ball slides for smooth movement.	d) Keyboard Tray d) Keyboard tray of size 525x415x75mm made up of CRCA 0.9mm thick steel sheet duly powder coated having provision for mouse tray. The Keyboard tray runs on ball slides for smooth movement.
		CPU trolley of 240mm height with adjustable width from 220 to 320mm width made of 1.6mm thick CRCA steel sheet duly powder coated with 2 Nos. lockable castors & 2 Nos. non lockable castors.	e) CPU Trolley e) CPU trolley of 240mm height with adjustable width from 230 to 345mm width made of 0.8mm thick CRCA steel sheet duly powder coated with 2 Nos. lockable castors & 2 Nos. non lockable castors.
10	Tables for Office, ECO, MRD, CSSD, X-Ray, CT Scan & Duty Room	MAIN TABLE of size 1350W x 600D x 750H with top made of 25mm thick plain particle board	Main Table : 25 mm Thick Plain Particle Board clad with 0.6 mm thick post formed laminate and 1 mm thick backing laminate . Flat edge duly sealed with 2 mm thick pvc bending

		having 0.6mm post formed decorative laminate on top and balancing laminate on unexposed face.	Modesty : 18mm thick plain particle board clad with 1.0 mm thick decorative laminate on both sides. Edge sealed with 2 mm thick pvc bending
		The understructure is made of 18mm thick pre-laminated particle board with all exposed edges	Main Table Size : 1500 mm (W) X 750 mm (D) X 740 mm (H)
		sealed with 2mm PVC edge banding tape and all unexposed edges sealed with 0.6mm edge	
		banding tape pressed at 200o C with hot melt glue on special machines. Table has a provision for	
		wire manager caps at top.	
		Storage Units of size 900W x 450W x 725H with top made of 25mm postforming on particle	Storage Unit: Top & Side panels : 25 mm Thick Plain Particle Board clad with 0.6 mm thick post formed laminate and 1 mm thick backing laminate . Flat edge duly sealed with 2 mm thick pvc bending
		board. The understructure & facia is made of 18mm pre-laminated particle board having openable	Doors, Partition , shelves :18mm thick plain particle board clad with 1.0 mm thick decorative laminate on both sides. Edge sealed with 2 mm thick pvc beading
		shutters with all exposed edges sealed with 2mm thick PVC edge banding tape and all unexposed	Size of storage : 1280 mm (W) X 425 mm (D) X 705 mm (H)
		edges sealed with 0.6mm edge banding tape pressed at 200o C with hot melt glue on special	
		machines, with proper locking arrangement. The shelves are made of 18 mm thick pre-laminated	
		particle board.	
		Keyboard tray of size 500x220x75mm made up of CRCA 1.2mm thick steel sheet duly powder	d) Keyboard Tray
		coated having provision for mouse tray. The Keyboard tray runs on ball slides for smooth	d) Keyboard tray of size 525x415x75mm made up of CRCA 0.9mm thick steel sheet duly powder
		movement.	coated having provision for mouse tray. The Keyboard tray runs on ball slides for smooth
		CPU trolley of 240mm height with adjustable width from	movement.
		220 to 320mm width made of 1.6mm thick CRCA steel sheet duly powder coated	e) CPU Trolley

		with 2 Nos. lockable castors & 2 Nos. non lockable castors.	e) CPU trolley of 240mm height with adjustable width from 230 to 345mm width made of 0.8mm
			thick CRCA steel sheet duly powder coated with 2 Nos. lockable castors & 2 Nos. non lockable
			castors.
11	Conference Table – 44 Seater	Conference Table of height 750mm with two seater module of size 1350(W)x550(D). The top	Work Surface : Top thickness 31.6 mm (18mm + 12mm + 0.6 mm DL (both sides) + 0.4 mm membrane)
		made of 36mm thick MDF board pressed with 0.4mm thick membrane foil clad pressed with PU	Edge profile waterfall Edge 10mm radius on top edge and 5 mm at bottom
		glue. The foil is precoated with a layer of polyurethane for better scratch resistance. The table	Legs : made of 25 mm PPB having straight profile with round edge and clad with 0.6 mm thick post forming laminate. Overall thickness of leg is 26.2 mm
		vertical are made of 25mm thick postformed particle board & modesty made of 18mm thick	Modesty panel :made of Prelaminated twin boards of 18mm thick
		prelaminated particle board with decorative laminate on both sides.All the edges are sealed with	Wire carrier : made from 0.6 mm thick CRCA paint
		2mm PVC edge banding tape and unexposed edges sealed with 0.6mm PVC edge banding tape	Carrier Cover : made of 12 mm thick MDF painted all over
		pressed at 200o C with hot melt glue on special machines. The Round corner piece is made up of	Two seater size : 1360 mm X 600 mm
		36mm thick MDF board pressed with 0.4mm thick membrane foil clad pressed with PU glue and	Corner Seat : 600 mm X 600 mm
		supported with post of 65mm dia made of CRCA sheet duly powder coated. The complete table	
		unit is made up of combination of tables and round corner pieces.	
12	Board Storages (900ht Ht.)	Storage Units of 450mm depth with top made of 25mm pre-laminated particle board. The	Storage unit of 450mm Depth with 25mm PLB top.
		understructure & facia is made of 18mm prelaminated particle board having openable shutters	Structure made of 0.8 mm CRCA sheet for all body and panels

		with all exposed edges sealed with 2mm thick PVC edge banding tape and all unexposed edges	Door Opening : Twin door and self closing hinges
		sealed with 0.6mm edge banding tape pressed at 200o C with hot melt glue on special machines,	Wooden Doors of 18 mm PLT , Unit height 914 mm
		with proper locking arrangement. The shelves are made of 18 mm thick prelaminated particle	3 point locking mechanism in doors
		board.	Height adjustable shelves
13	Board Storages (1200ht Ht.)	Storage Units of 450mm depth with top made of 25mm pre-laminated particle board. The	Storage unit of 450mm Depth with 25mm PLB top.
		understructure & facia is made of 18mm prelaminated particle board having openable shutters	Structure made of 0.8 mm CRCA sheet for all body and panels
		with all exposed edges sealed with 2mm thick PVC edge banding tape and all unexposed edges	Door Opening : Twin door and self closing hinges
		sealed with 0.6mm edge banding tape pressed at 200o C with hot melt glue on special machines,	Wooden Doors of 18 mm PLT , Unit height 1220 mm
		with proper locking arrangement. The shelves are made of 18 mm thick prelaminated particle	3 point locking mechanism in doors
		board.	Height adjustable shelves
14	Reception Table	Reception table of an overall size of 2800X1400X1050 with top made up of 25mm thick	Overall size : 2800 mm (W) X 1430 mm (D) X 1035 mm (H)
		prelaminated particle board having exposed edges sealed with PVC edge banding tape. The table	Clean matt PU Finish 18mm thick Top
		top is supported on steel vertical studs of 50mm(D) lower modesty made up of and perforated steel	Rubberize cork - 18mm thick
		sheet duly powder coated. The main table has a transaction top made of 10mm thick toughened	Frosted glass of 10mm thick at transaction level
		glass supported on steel studs and upper Perforated Modesty duly powder coated.	MS Perforated Sheet modesty panel below the worsurface : 0.8 mm (Thick) X 665.0 mm (H) X 1345 mm (Flat length)
			Legs : MS Tube 1.6mm thick ,diametre 50.8 mm X 604 mm Height
15	Lockers	Steel Lockers of size 910W x 480D x 1980H with 12 Locker having provision of pad lock.	Steel Locker size : 1140 mm (W) X 450 mm (D) X 1955 mm (H) with 12 lockers

16	For Single Bed		Head Board & Foot Board shall be 25mm pre laminated particle board & Sides in 18mm pre laminated particle board
			Size of Single Bed shall be 1965(L)x960(W)x900/400(H)
17	Make of LED TV		Samsung/ Sony or equivalent as approved by Engineer