

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES (AIIMS),
NEW DELHI**

Tender (Second Call)

For

**Supply, installation, testing & commissioning of Office Furniture &
associated miscellaneous works like minor civil, electrical, PHE works
etc. for P C Teaching Block at AIIMS, Ansari Nagar, New Delhi**

Volume-IV

BILL OF QUANTITIES

NOVEMBER' 2013



**HSCC (INDIA) LTD.
(CONSULTANTS & ENGINEERS FOR MEGA HOSPITALS & LABORATORIES)
E-6(A), sector-1, NOIDA(U.P) 201301 (India)**

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PQ tender No. HSCC/PCT-AIIMS/Fur/2013

Subject : Supply, installation, testing & commissioning of Office Furniture & associated miscellaneous works like minor civil, electrical, PHE works etc. for P C Teaching Block at AIIMS, Ansari Nagar, New Delhi						
The BOQ item description shall be read in conjunction with the technical specifications, Conditions of Contract (Vol-II) and their quoted rates shall deem to include all works/ requirements specified in the technical specifications & Conditions of Contract (Vol-II) etc.						
Bill of Quantity (BOQ)						
S.No.	Description of Items	Unit	Qty	Rate in figures in Rs.	Rate in words in Rs.	Amount in Rs.
1	Supply & Installation Custom made in factory with ISI marked phenol bonded block board of 19mm thick in table tops, shelves, footrests, side etc. cut edges exposed to be finished with teak wood gola of size 20x5mm & unexposed with margin of size 20x3mm with sprit polishing including fixing with fevicol/ superior glue, steel screws, nails etc. all complete as per the direction of Engineer in charge.	Sqm	6427.02			
2	Supply & Installation Custom made in factory with ISI marked phenol bonded 6mm ply wood in of required thick in ward robes, almirah, table etc. with glue (fevicol or SR 998) screws, nails etc. all complete as per the direction of Engineer in charge.	Sqm	879.21			

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Bill of Quantity (BOQ)						
S.No.	Description of Items	Unit	Qty	Rate in figures in Rs.	Rate in words in Rs.	Amount in Rs.
3	Supply & Installation 100mm wide vertical blinds in required size and shape with all accessories as per the sample approved by Engineer in charge (Mac/ Vista make)	Sqm	2605.86			
4	Supply & Installation Custom made in factory notice board made of 12mm thick cellotax board with back of 6mm thick phenol bonded ply with all round aluminum beading (C-channel) of 16 gauge with blue or mahroon cloth of best available on face with corner brackets etc complete as per the direction of Engineer in charge.	Sqm	30			
5	Supply & Installation Custom made in factory 10mm thick table top plain glass with edge rounded off in required size and shape as per the direction of Engineer in charge (Modi guard/ Saint gobin/ Tata make)	Sqm	40.5			

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S.No.	Description of Items	Unit	Qty	Rate in figures in Rs.	Rate in words in Rs.	Amount in Rs.
6	Supply & Installation Custom made in factory powder coated telescopic sliding drawer channel 300mm long with necessary screws etc complete as per the direction of Engineer in charge.	Pair	75			
7	Supply & Installation 1mm thick SS piano hinges bright finished nickle plated with screws of overall width 35mm.	Meter	3496.9			
8	Supply & Installation magnet catcher of approved quality and make as per the direction of Engineer in charge - Double stop horizontal type.	Each	4330			
9	Supply & Installation Custom made in factory teak wood cornic 50x50mm at the junction of panelling and wall all complete as per the approved design by Engineer in charge.	Rm	60			

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Bill of Quantity (BOQ)						
S.No.	Description of Items	Unit	Qty	Rate in figures in Rs.	Rate in words in Rs.	Amount in Rs.
10	Providing and fixing aluminium work for doors, windows, ventilators and partitions extruded built up standard tubular sections/appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fastners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/neoprene gasket etc. Aluminium sections shall be smooth, rust free straight, mitred and joined mechanically wherever required including cleat angle, aluminium snap beading for glazing/ paneling, C.P. brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge.(Glazing, paneling and dash fasteners to be paid for seperately)					
a	For fixed portion					
	Powder coated Aluminium (50micron)	kg	434.25			

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S.No.	Description of Items	Unit	Qty	Rate in figures in Rs.	Rate in words in Rs.	Amount in Rs.
11	Steel work welded in built up section/framed work including cutting, hoisting, fixing in position and applying primer coat of approved steel primer for making of base frame of Laboratory tables etc.					
	section 25mm x 25mm,					
	section 50mm x 50mm or Sections as per requirement	Kg	8463.6			
12	Stainless Steel (Grade 304) work welded in built up section/framed work including cutting, hoisting, fixing in position for making of base frame of Laboratory tables etc.					
	section 25mm x 25mm,					
	section 50mm x 50mm or Sections as per requirement	Kg	1432.8			
13	Providing and Fixing bright finished brass handles with screws etc. completely:					
a	Furniture handle	each	4330			

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S.No.	Description of Items	Unit	Qty	Rate in figures in Rs.	Rate in words in Rs.	Amount in Rs.
14	Supply & Installation factory made white marker board having MS backing of approved quality i/c magnetic duster, set of pens and magnetic pointers all complete as per the direction of Engineer in charge.	Sqm	43.2			
15	Supply & Installation special quality bright finished brass cupboard or ward robe locks with 4 levers i/c necessary screws etc. complete (best make of approved quality) Harrison/ Plaza/ Godrej make 40mm.	Each	2630			
16	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:					
a	Two or more coats of new work over an under coat of suitable shade with ordinary paint of approved and manufacture	sqm	6427.02			

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Bill of Quantity (BOQ)						
S.No.	Description of Items	Unit	Qty	Rate in figures in Rs.	Rate in words in Rs.	Amount in Rs.
17	Providing & fixing of polished 18mm thick Granite work top over 6mm thick ply with arelite etc. complete as per drawing , design, specification as per direction of Engineer in charge.					
	18mm th. Granite	Sqm	879.21			
18	Providing edge moulding to 18mm th counters, vanities etc. including machine polishing to edge to give high glow finish etc. complete as per design approved by Engineer in charge					
a	Granite work	Rm	1175.28			
19	Extra for providing opening of required size and shape for wash basin/ kitchen sink in kitchen platform, vanity counter and similar location in granite including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete.	Each	158			

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S.No.	Description of Items	Unit	Qty	Rate in figures in Rs.	Rate in words in Rs.	Amount in Rs.
20	Supply & Installation factory made decorative high pressure laminated sheet of plain/ wood grain in gloss/ matt/ suded finish with high density protective surface layer and reserve side of adhesive bonding quality confirming to IS: 2046 Type, including cost of adhesive of approved quality.					
	1mm th.	Sqm	6427.02			
21	Supply & Installation factory made glazing in door, windows, ventilator, shutter and partation etc. with EPDM rubber/ neoprene gasket etc. complete as per drawing and the direction of Engineer in charge (cost of aluminium snap beading shall be paid beading shall be paid in basic items)					
	with float glass panes of 5.0 mm th.	Sqm	81.6			

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S.No.	Description of Items	Unit	Qty	Rate in figures in Rs.	Rate in words in Rs.	Amount in Rs.
22	P/F 12mm th. Pre laminated particle board flat pressed three layer or graded wood particle board in panelling fixed in aluminium doors, window shutters and partation frames with CP brass/ stainless steel screws etc. complete as per architectural drawings and directions of engineer in charge.					
	Supply & Installation factory made Prelaminated particle board with decorative lamination on both sides, Grade-I, Type II, IS:12823 marked	Sqm	77.76			
23	Supply & Installation factory made High Back Revolving Chair					

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Bill of Quantity (BOQ)						
S.No.	Description of Items	Unit	Qty	Rate in figures in Rs.	Rate in words in Rs.	Amount in Rs.
	Uphoisty/ Frame: 12mm hot pressed ply in seat and back with PU moulded foam and fabric uphhoistry with PVC lipping all around. Seat and back size: 480mm(w)x 440mm(D), 480mm(w)x 720mm(H); Arms: Steel inserted PU arms; Mechanism: Central tilt mechanism; Height adjustment: Gas Lift; Base: Steel inserted nylon base with twin wheel castors.	Each	25			
24	Medium Back Revolving Chair					
	Uphoisty/ Frame: 12mm hot pressed ply in seat and back with PU moulded foam and fabric and PVC lipping all around. Seat and back size: 480mm(w)x 440mm(D), 480mm(w)x 460mm(H); Arms: Y shape PVC arm; Mechanism: Central tilt mechanism; Height adjustment: Gas Lift; Base: Steel inserted nylon base with twin wheel castors.	Each	190			
25	Visitor Chair					

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Bill of Quantity (BOQ)						
S.No.	Description of Items	Unit	Qty	Rate in figures in Rs.	Rate in words in Rs.	Amount in Rs.
	Uphoisty/ Frame: 12mm hot pressed ply in seat and back with PU moulded foam and fabric and PVC lipping all around. Seat and back size: 480mm(w)x 440mm(D), 480mm(w)x 460mm(H); Arms: Steel inserted PU arms; Base: Steel inserted nylon base with twin wheel castors.	Each	249			
26	Desklet Chair					
	Half desk chair made of 25mm CRCA pipe frame 'S' shape with 12mm moulded ply with moulded PU foam in seat & back with PVC lipping. Half writing board is made up of 18mm prelaminated particle board with edge sealed with 2mm PVC edge banded tape. The chair is provided with wire mesh tray at bottom duly powder coated.	Each	345			
27	Multiseater Chair					

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S.No.	Description of Items	Unit	Qty	Rate in figures in Rs.	Rate in words in Rs.	Amount in Rs.
	Triple seater multiseater chair with perforated metal sheet duly powder coated with arms in capsule pipe, side in 2" round pipe and bottom support in 3"x1/2" in 14 gauge.	Each	46			
28	Lab Stool					
	Lab Stool revolving type without back with steel fixed base with shoes. The seat is covered with latheriate/ fabric uphoistery.	Each	446			
29	SOFA					
	Wooden sofa: Fully upholstered sofa with good quality seasoned wood duly anti termite treated . In seat, good quality flat spring steel are used and are covered by "U" foam. Seat cushion has premium quality rubber. The back is made of high density foam duly upholstered with fabric or leatherite. The armrest are made of seasoned teakwood duly spirit polish					
a	SOFA - 3 Seater	Each	5			

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S.No.	Description of Items	Unit	Qty	Rate in figures in Rs.	Rate in words in Rs.	Amount in Rs.
b	SOFA - 2 Seater	Each	20			
30	Center Table					
	Providing and supplying center table with top made of 12mm thick beveled glass and understructure with a shelf is made of 18mm thick commercial board having 0.8mm thick laminate of approved make, colour and design with all exposed edges sealed with 2mm PVC edge banding tape and unexposed edges sealed with 0.6mm PVC edge banding tape pressed at 200o C with hot melt glue on special mechanics					
	900 x 450 x 450mm	Each	25			
31	SIDE TABLE					

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S.No.	Description of Items	Unit	Qty	Rate in figures in Rs.	Rate in words in Rs.	Amount in Rs.
	Providing and Suppluing table with top made of 12mm thick beveled glass and understructure with a shelf is made 18mm thick commerical block board having 0.8mm thick laminate of approved make, colour and design with all exposed edges sealed with 2mm PVC edge banding tape and unexposed edges sealed with 0.6mm PVC edge banding tape pressed at 200o C with hot melt glue on special mechanics					
	900 x 450 x 450mm	Each	30			
32	P/F CP brass extension nipple for sanitary fittings as per direction of Engineer in charge	Each	75			
33	P/F CP brass caps for bib cock/ angle valve etc for sanitary fittings as per direction of Engineer in charge	Each	158			
34	P/F CP brass bottle trap for wash basin and sink of make Parko/ Kingston/ Jaguar/ Vijay - 32mm dia waste.	Each	158			

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S.No.	Description of Items	Unit	Qty	Rate in figures in Rs.	Rate in words in Rs.	Amount in Rs.
35	P/F CP brass close hole basin mixer piller top of approved quality and make of Parko/ Kingston/ Jaguar/ Vijay - 15mm nominal bore of standrad back type	Each	158			
36	P/F CP brass long body bib cock of approved quality confirming to IS standard and weight not less than 690 gms 15mm nominal bore	Each	158			
37	P/F white viterous china Lab Sink with CI brackets, CP brass chain with rubber plug, 40mm CP brass waste and 40mm CP brass trap with necessary CP brass unions complete, including painting of fittings and brackets, cutting and making good the wall wherever required					
a	Size 600x450x200mm	each	158			

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Bill of Quantity (BOQ)						
S.No.	Description of Items	Unit	Qty	Rate in figures in Rs.	Rate in words in Rs.	Amount in Rs.
38	P/F Stainless steel A ISI 304 (18/8) kitchen sink as IS:13983 with CI bracket and stainless steel plug 40mm, including painting of fittings and brackets, cutting and making good the wall wherever required					
	Kitchen sink without drain board					
	610x510mm bowl depth 200mm	Each	10			
	P/F Stainless steel A ISI 304 (18/8) kitchen sink as IS:13983 with CI bracket and stainless steel plug 40mm, including painting of fittings and brackets, cutting and making good the wall wherever required					
	Kitchen sink with drain board					
	510x1040mm bowl depth 250mm	Each	10			

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S.No.	Description of Items	Unit	Qty	Rate in figures in Rs.	Rate in words in Rs.	Amount in Rs.
38	<p>FUME HOOD P/F of Fume Hood Autobypass bench type(For Non AC Labs) Material Construction: Exterior Structure made of 1.2 mm heavy duty CRCA sheets with powder coating thickness of 50 to 60 microns with rigid structure. Inner Structure is made of durable special material integral work walls of 6mm thickness which is chemical, heat resistant and fire retardant. Worktop is made up of 18mm thick 'Jet Black Granite'. Worktop has oval shaped 100mm x 200mm sink for drainage with water tap on the left side.</p>					
	<p>Vertical Type Sash is made up of 4mm thick safety glass for smooth and light sash operation. Fluorescent light (20 watt, 2Nos) with vapour-proof fitting for proper illumination, two nos. electrical.</p>					

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S.No.	Description of Items	Unit	Qty	Rate in figures in Rs.	Rate in words in Rs.	Amount in Rs.
	sockets 'Northwest' make (230 V, 6/16 A, 50 Hz), Two nos. 'Northwest' make MCBs with blower NO/NC switch (with built in starter) & light switch on front facia are provided.					
a)	5 Feet of overall size 1500(W) x 1000(D) x 1600(H)	each	6			
39	Apparatus Storage Base Cabinet P/F of Apparatus Base cabinet for fume hood having following features : 1. Complete rigid steel structure to support Fume Hood 2. Epoxy powder coated attractive colour combination. 3. Two adjustable horizontal partitions to store apparatus. 4. Double skin hinged doors. 5. Fully openable back panels for service line access.					
	5 Feet of overall size 1500(W) x 700(D) x 700(H)	each	6			

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S.No.	Description of Items	Unit	Qty	Rate in figures in Rs.	Rate in words in Rs.	Amount in Rs.
40	Blower (1 HP) P/F Blower as per specifications & direction of Engineer In charge:	each	6			
41	Ducting for Fume Hood P/F Ducting consisting of chemical resistant PP. 2.5kg rigid & flexible ductwork from Fume hood to exhaust stack. Total ducting is provided with horizontal, vertical members, flanges, bends, bracketed supports and gooseneck exhaust stack.	Rft	300			
	Total					
	Discount, if any to be indicated here only					