

MINISTRY OF HEALTH & FAMILY WELFARE
(Department of AYUSH)

Tender

For

Supply, installation, testing & commissioning of Internal furnishing & related civil works etc for AYUSH at INA office Complex, New Delhi

Volume-IV

Bill of Quantity

APRIL 2012



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

Phone : 0120-2542436-40

Fax : 0120-2542447

PQ tender No. HSCC/Fur/AYUSH/2012

BILL OF QUANTITY

Name Of work : Supply, Installation, Testing & commissioning of Internal furnishing & related Civil works etc for New building of AYUSH at New Campus at INA office Complex Delhi

S.NO.	DESCRIPTION	UNIT	Total QTY.	RATE IN FIGURE (in Rs.)	RATE IN WORDS (in Rs.)	AMOUNT
1	Low HT Partition for Cabins 1230Ht. as per specification & direction of Engineer in Charge	Sqm.	124			
2	Workstation with 65 MM THK. PARTITION (1230 Ht.) as per specification & direction of Engineer in Charge	Sqm.	531			
3	Worksurface (1200x600) as per specification & direction of Engineer in Charge	Nos.	146			

S.NO.	DESCRIPTION	UNIT	Total QTY.	RATE IN FIGURE (in Rs.)	RATE IN WORDS (in Rs.)	AMOUNT
4	CPU Trolley as per specification & direction of Engineer in Charge	Nos.	146			
5	Keyboard as per specification & direction of Engineer in Charge	Nos.	146			
6	Drawer Unit as per specification & direction of Engineer in Charge	Nos.	146			
7	EXECUTIVE Table (3000x900/1200x750) as per specification & direction of Engineer in Charge	Nos.	2			
8	EXECUTIVE Side Unit (1200x500x750) as per specification & direction of Engineer in Charge	Nos.	2			
9	EXECUTIVE Back Unit (3000x500x750) as per specification & direction of Engineer in Charge	Nos.	2			
10	Secretary Table with Side Unit & Back Unit as per specification & direction of Engineer in Charge					
11	Table with Drawer, Keyboard & CPU as per specification & direction of Engineer in Charge	Nos.	1			
12	Secretary Table Side Unit as per specification & direction of Engineer in Charge	Nos.	1			

S.NO.	DESCRIPTION	UNIT	Total QTY.	RATE IN FIGURE (in Rs.)	RATE IN WORDS (in Rs.)	AMOUNT
13	Secretary Table Back Unit as per specification & direction of Engineer in Charge	Nos.	1			
14	Table with Drawer, Keyboard & CPU Size 1500x750x750 (Section Officer) as per specification & direction of Engineer in Charge	Nos.	33			
15	Side Unit as per specification & direction of Engineer in Charge	Nos.	33			
16	Table with Drawer, Keyboard & CPU Size 1350x600x750 (US/Dpty.Adviser) as per specification & direction of Engineer in Charge	Nos.	18			
17	Side Unit as per specification & direction of Engineer in Charge	Nos.	22			
18	Table with Drawer Keyboard & CPU Size 1800x600x750 as per specification & direction of Engineer in Charge	Nos.	2			
19	Side Unit as per specification & direction of Engineer in Charge	Nos.	2			

S.NO.	DESCRIPTION	UNIT	Total QTY.	RATE IN FIGURE (in Rs.)	RATE IN WORDS (in Rs.)	AMOUNT
20	Table for Security,DEO, Peon, PA, 900x600 as per specification & direction of Engineer in Charge	Nos.	17			
21	Table for PSA/Officer/PA 1200x600 as per specification & direction of Engineer in Charge	Nos.	7			
22	Table (Adviser/Directors) as per specification & direction of Engineer in Charge	Nos.	6			
23	Side Unit as per specification & direction of Engineer in Charge	Nos.	4			
24	CEO Table as per specification & direction of Engineer in Charge	Nos.	1			

S.NO.	DESCRIPTION	UNIT	Total QTY.	RATE IN FIGURE (in Rs.)	RATE IN WORDS (in Rs.)	AMOUNT
25	Side Table as per specification & direction of Engineer in Charge	Nos.	1			
26	Table For 1650x900x750mm + Former Module 1200x900x750mm as per specification & direction of Engineer in Charge	Nos.	4			
27	Storages (Openable shutter) as per specification & direction of Engineer in Charge	Nos.	117			
28	Meeting Table (for 6 Person) as per specification & direction of Engineer in Charge	Nos.	3			
29	Conference Table as per specification & direction of Engineer in Charge					
i	Conference (seating capacity)	Per Seat	35			
ii	Committee Room (seating capacity)	Per Seat	24			
30	Podium as per specification & direction of Engineer in Charge	Nos.	1			
31	Book case as per specification & direction of Engineer in Charge	Nos.	5			

S.NO.	DESCRIPTION	UNIT	Total QTY.	RATE IN FIGURE (in Rs.)	RATE IN WORDS (in Rs.)	AMOUNT
32	Reception Table with Side Module as per specification & direction of Engineer in Charge	Nos.	1			
33	Centre Table as per specification & direction of Engineer in Charge	Nos.	18			
34	Side Table as per specification & direction of Engineer in Charge	Nos.	26			

S.NO.	DESCRIPTION	UNIT	Total QTY.	RATE IN FIGURE (in Rs.)	RATE IN WORDS (in Rs.)	AMOUNT
35	SOFA as per specification & direction of Engineer in Charge					
i	Three Seater	Nos.	25			
ii	Two Seater	Nos.	14			
iii	Single Seater	Nos.	18			
36	CANTEEN TABLE as per specification & direction of Engineer in Charge					
i	4 Seater (900x900x750)	Nos.	9			
37	Canteen Counter Size 1500x600x750 as per specification & direction of Engineer in Charge	Nos.	4			
38	Single Bed 900X1800x450 (without box) as per specification & direction of Engineer in Charge	Nos.	3			
39	COMPACTOR (Including Rail Length) as per specification & direction of Engineer in Charge	Nos.				
DM3	2730X910X2080	Nos.	1			
SM3	2730X455X2080	Nos.	1			
SF3	2730X455X2080	Nos.	1			

S.NO.	DESCRIPTION	UNIT	Total QTY.	RATE IN FIGURE (in Rs.)	RATE IN WORDS (in Rs.)	AMOUNT
40	High Back Revolving Chair for Secretary/CEO as per specification & direction of Engineer in Charge	Nos.	4			
41	Visitor's Chair for Secretary/CEO as per specification & direction of Engineer in Charge	Nos.	15			
42	Chairs For (US/Dpty Sec/Dy.Director/Adviser/Jt.Adviser/officer staff) as per specification & direction of Engineer in Charge	Nos.	33			
43	Visitor Chair for (US/Dpty Sec/Dy.Director/Adviser officer staff Visitor chair) as per specification & direction of Engineer in Charge	Nos.	57			
44	Chair for Section Officer/Assistant Advisor/PA as per specification & direction of Engineer in Charge	Nos.	33			
45	Visitor's Chair for Consultant/Tech/ Deo/PS/Peon as per specification & direction of Engineer in Charge	Nos.	33			

S.NO.	DESCRIPTION	UNIT	Total QTY.	RATE IN FIGURE (in Rs.)	RATE IN WORDS (in Rs.)	AMOUNT
46	Reading Chair/Peon/Security as per specification & direction of Engineer in Charge	Nos.	13			
47	Chair for Workstation as per specification & direction of Engineer in Charge	Nos.	146			
48	Chair for Conference Table, Reception Table as per specification & direction of Engineer in Charge	Nos.	75			
49	Chairs for Canteen as per specification & direction of Engineer in Charge	Nos.	40			

S.NO.	DESCRIPTION	UNIT	Total QTY.	RATE IN FIGURE (in Rs.)	RATE IN WORDS (in Rs.)	AMOUNT
50	FULL HEIGHT PARTITION (3000Ht. Approx.) - 65MM THICK.as per specification & direction of Engineer in Charge	METER	900			

S.NO.	DESCRIPTION	UNIT	Total QTY.	RATE IN FIGURE (in Rs.)	RATE IN WORDS (in Rs.)	AMOUNT
51	Door Unit as per specification & direction of Engineer in Charge	Nos.	70			
52	Venetian Blinds as per specification & direction of Engineer in Charge	Sqm.	200			
53	Fridge (185 Ltr) as per specification & direction of Engineer in Charge	Nos.	3			
54	LCD TV as per specification & direction of Engineer	Nos.	3			
55	Water Cooler as per specification & direction of Engineer in Charge	Nos.	10			
56	Split AC as per specification & direction of Engineer in Charge	Nos.	10			
57	Projector as per specification & direction of Engineer in Charge	No.	1			
58	Roller Screen for Projector as per specification & direction of Engineer in Charge	No.	1			

S.NO.	DESCRIPTION	UNIT	Total QTY.	RATE IN FIGURE (in Rs.)	RATE IN WORDS (in Rs.)	AMOUNT
59	FALSE CEILING : Providing and fixing 15mm thick Mineral Fibre False Ceiling Tiles or equivalent of size 600x600 mm in true horizontal levels suspended on inter locking metal grid of hot dipped galvanized steel sections (Galvanized @ 170 gsm/sqm) consisting of main "T" runner suitably spaced at joints to get required length and of size 24x38mm made from 0.30 mm thick (minimum) sheet spaced at 1200 mm center to center and cross "T" of size 24x25mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600mm panel to form grids of 600x 600mm and laying 15 mm thick mineral fibre false ceiling tiles of approved texture in the grid including, wherever, required, cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats fixed to ceiling with 6 mm dia and 50 mm long dished fasteners, 4 mm GI adjustable rods with galvanized level clips spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with					
	polyester paint, all complete at all heights as per specifications drawings and as directed by Engineer-in-Charge. Only Mineral Fibre false ceiling area will be measured for the purpose of payment.					
(a)	With Mineral Fibre Ceiling tiles having NRC value of 0.5 (minimum) CAC 35-39, light reflection 84% (minimum), fire rating class A as per ASTM E-84, suitable for 95% relative humidity and also having Thermal Resistance "(R)" =0.33 sqm deg. C/W	SQM	200			
	Note : The job to be carried out by an approved reputed agency having sufficient work experience					

S.NO.	DESCRIPTION	UNIT	Total QTY.	RATE IN FIGURE (in Rs.)	RATE IN WORDS (in Rs.)	AMOUNT
60	PLUMBING WORK : Providing&fixing water closet squatting pan(Indian W.C.Pan)with 100 mm sand cast iron P or S strap,10 Litre low level white P.V.C flushing cistern with manually controled device(handle lever) conforming to IS:7231 with all fittings&fixture complete including cutting and making good the walls & floors wherever required.					
(a)	White vitreous china orissa pattern W.C. pan of size 580 x 440 mm with integral type foot rests	each	3			
61	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous flushing cistern and C.P. flush bend with fittings & C.I. brackets, 40mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete including painting of fittings and brackets, cutting and making good the walls and floors wherever required					
a	W.C. pan with ISI black solid plastic seat & lid	each	3			
62	Providing and fixing white vitreous China flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete, including painting or fittings and brackets, cutting and making good the walls and floors wherever required.					

S.NO.	DESCRIPTION	UNIT	Total QTY.	RATE IN FIGURE (in Rs.)	RATE IN WORDS (in Rs.)	AMOUNT
a	Range of two urinal basin with 5 litre white PVC automatic flushing cistern	each	2			
b	Range of three urinal basin with 10 litre white PVC automatic flushing cistern	each	2			
63	Providing and fixing wash basin with C.I. brackets, 15mm C.P. brass pillar taps, 32mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required					
a	White vitreous china wash basin size 550x 400 mm with a pair of 15mm C.P. brass pillar tap.	each	3			
64	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS 13983 with C.I. brackets and stainless steel plug 40 mm including painting of fittings and brackets, cutting and making good the walls wherever required					
a	Kitchen sink without drain board (610x510 mm bowl depth 200 mm)	each	3			
65	Providing and fixing superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shape with 6 mm thick hard board backing					
a	Rectangular shape 453x357 mm	each	3			

S.NO.	DESCRIPTION	UNIT	Total QTY.	RATE IN FIGURE (in Rs.)	RATE IN WORDS (in Rs.)	AMOUNT
66	Providing and fixing 600x120x3 mm glass sheet with edges round of supported and anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws and clips etc. complete	each	3			
67	Providing and fixing toilet paper holder .	each	3			
68	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour weighing not less than 105 gms.	each	3			
69	Providing and fixing water Jet Nozzle with hose pipe and half turn CP brass angle valve to be fitted with seat cover of european water closet complete in all respect of approved quality	each	3			
70	Providing and fixing soap tray with CP brass lid and brackets fixed to wooden cleats with CP brass screws.(Jaquar model no.1131 or equivalent model of other approved make).	each	3			
71	Providing and fixing CP brass towel rail size of 600x20 mm of approved make complete with CP brackets fixed to wooden cleats with CP brass screws(Jaquar model no.1111 or equivalent model of other approved make)	each	3			
72	Providing and fixing brass coat hook of approved quality and make complete with material of fixing	each	2			

S.NO.	DESCRIPTION	UNIT	Total QTY.	RATE IN FIGURE (in Rs.)	RATE IN WORDS (in Rs.)	AMOUNT
73	Providing and fixing Chlorinated Polyvenyl Chloride(CPVC)pipes having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.0 m spacing.This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in charge.					
	Internal work – Exposed on wall					
a	15 mm nominal outer dia pipes (SDR-11)	metre	10			
b	20 mm nominal outer dia pipes (SDR-11)	metre	10			
c	25 mm nominal outer dia pipes (SDR-11)	metre	10			
d	32 mm nominal outer dia pipes (SDR-11)	metre	10			
e	40 mm nominal outer dia pipes (SDR-11)	metre	20			
f	50 mm nominal outer dia pipes (SDR-11)	metre	20			
g	62.5 mm nominal outer dia pipes (SDR-11)	metre	20			
74	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.					
	Concealed work including cutting chases and making good the walls etc.					
a	15 mm nominal outer dia pipes (SDR-11)	metre	10			
b	20 mm nominal outer dia pipes (SDR-11)	metre	10			
c	25 mm nominal outer dia pipes (SDR-11)	metre	10			
d	32 mm nominal outer dia pipes (SDR-11)	metre	10			
e	40 mm nominal outer dia pipes (SDR-11)	metre	20			
f	50 mm nominal outer dia pipes (SDR-11)	metre	20			

S.NO.	DESCRIPTION	UNIT	Total QTY.	RATE IN FIGURE (in Rs.)	RATE IN WORDS (in Rs.)	AMOUNT
75	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.					
	External Work					
a	25 mm nominal outer dia pipes (SDR-11)	metre	10			
b	40 mm nominal outer dia pipes (SDR-11)	metre	10			
c	50 mm nominal outer dia pipes (SDR-11)	metre	10			
76	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc.					
	Internal Work- Exposed on walls					
a	80 mm dia nominal bore	metre	10			
77	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including, cutting and threading the pipe etc. complete including obtaining approval for connection from DJB/Municipal corporation :					
a	50 to 80 mm nominal bore (SDR-11)	each	1			
78	providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end)					
a	25 mm nominal bore	each	2			
b	32 mm nominal bore	each	2			
c	40 mm nominal bore	each	2			
d	50 mm nominal bore	each	2			
e	65 mm nominal bore	each	2			
f	80 mm nominal bore	each	2			
79	Providing and fixing ball valve (brass) of approved quality, High or low pressure with plastic floats complete					
a	20mm	each	2			
b	25 mm nominal bore	each	2			

S.NO.	DESCRIPTION	UNIT	Total QTY.	RATE IN FIGURE (in Rs.)	RATE IN WORDS (in Rs.)	AMOUNT
80	Providing and fixing brass ferrule with C.I. mouth cover including boring and tapping the main					
a	25 mm nominal bore	each	1			
81	Providing and fixing unplasticised PVC connection pipe with brass unions:					
a	45 cm length	each	5			
b	15 mm nominal bore	each	5			
82	Painting CPVC/G.I. pipes and fittings with synthetic enamel white paint over a ready mixed priming coat, both of approved quality for new work					
a	15 mm nominal outer dia pipes	metre	5			
b	20 mm nominal outer dia pipes	metre	10			
c	25 mm nominal outer dia pipes	metre	10			
d	32 mm nominal outer dia pipes	metre	10			
e	40 mm nominal outer dia pipes	metre	12			
83	Painting G.I. /CPVC pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality.					
a	25 mm diameter pipe	metre	5			
b	40 mm diameter pipe	metre	10			
c	50 mm diameter pipe	metre	10			
84	Providing and fixing C.P brass bib cock of approved quality.					
a	15 mm nominal bore	each	5			
85	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. (Marck, Jaquar, othello)					
a	15 mm nominal bore	each	5			
86	Providing and fixing C.P. brass angle valve for basin mixer and geyser/cisterns points of approved quality conforming to IS:8931.					
a	15 mm nominal bore	each	5			

S.NO.	DESCRIPTION	UNIT	Total QTY.	RATE IN FIGURE (in Rs.)	RATE IN WORDS (in Rs.)	AMOUNT
87	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to 18:8931.					
a	15mm nominal bore.	each	5			
88	Providing and fixing PTMT ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P./H.P.H.D. plastic ball.					
a	40 mm nominal bore, 206 mm long weighin not less than 690 gms	each	1			
b	50 mm nominal bore, 242 mm long weighin not less than 1240 gms	each	1			
89	Cutting holes upto 30x30 cm in walls including making good the same					
a	with F.P.S bricks	each	5			
90	Cutting holes up to 15x15 cm in R.C.C. floors and roofs for passing drain pipe etc. and repairing the hole after insertion of drain pipe etc. with cement concrete 1:2:4 (1 cement:2 coarse sand: 4 graded stone aggregate 20 mm nominal size) including finishing complete so as to make it leak proof	each	1			
91	Extra for providing wash basin mixer pillar tap in place of normal pillar tap	each	2			
92	Extra for providing divertor type shower mixer with provision for shower & single tap in place of 2Nos. concealed stop cock & 2 Nos. CP long nose bib cock complete in all respect of approved make & model	each	2			
93	Providing & fixing full way lever operated forged brass ball valve of brass body with forged brass hard chrome plated steel ball tested to a pressure not less than 10 Kg / sqcm with threaded / flanged joints complete with nuts, bolts, gaskets, washers etc.					
	15 mm diameter	each	2			

S.NO.	DESCRIPTION	UNIT	Total QTY.	RATE IN FIGURE (in Rs.)	RATE IN WORDS (in Rs.)	AMOUNT
	20 mm diameter	each	2			
94	12 mm cement plaster of mix:					
a	1:6 (1 cement: 6 fine sand)	sqm	50			
95	15 mm cement plaster on the rough side of single or half brick wall of mix:					
a	1:6 (1 cement: 6 fine sand)	sqm	50			
96	18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement: 5 coarse sand) finished with a top layer 6mm thick cement plaster 1:6 (1 cement: 6 fine sand).	sqm	50			
97	Forming groove of uniform size from 12x12mm and upto 25x15mm in plastered surface as per approved pattern using wooden battens, nailed to the under layer including removal of wooden battens, repairs to the edges of plaster panel and finishing the groove complete as per specifications and direction of the Engineer-in-Charge.	metre	50			
98	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete	sqm	10			
99	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade					
a	New work (two or more coats) over and including priming coat with cement primer.	sqm	500			
100	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	sqm	100			

S.NO.	DESCRIPTION	UNIT	Total QTY.	RATE IN FIGURE (in Rs.)	RATE IN WORDS (in Rs.)	AMOUNT
101	Providing and laying rectified Glazed Ceramic floor tiles 300x300 mm or more (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand) including pointing the joints with white cement and matching pigments etc., complete.	sqm	100			
	TOTAL					