

**BILL OF QUANTITY**

1	<i>Name of the work</i>	Internal Repair & Renovation of MBBS Girls Hostel Building and up-gradation of Kitchen and Toilet Block at IGIMS, Patna -
2	<i>Estimated cost</i>	Rs. 9,97,027/-
3	<i>Cost of BOQ</i>	Rs. 1,250/-
4	<i>Earnest Money Deposited</i>	Rs.19,945/-
5	<i>Time of Completion</i>	30 Days
6	<i>Last date and time of receipt of tender</i>	13 .02.2015 up to 3.30 PM at office of the Director, IGIMS, Patna-14 through Regd./Speed Post/courier.
7	<i>Date and time of opening of Tender</i>	14 .02.2015 at 13.30 PM Conference Hall, IGIMS, Patna.

Sl. No.	Item Description	Unit	Qty.	Rate
1	Providing and fixing anodised aluminium work for doors, windows, ventilator and partitions with extruded built up standard tubular and other sections of approved make conforming to IS : 733 and IS : 1285, anodised transparent or dyed to required shade according to IS : 1868, (Minimum anodic coating of grade AC 15), fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free straight, mitred and jointed 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 For fixed portion and panelling to be paid for separately	Kg	175.00	366.20
2	Providing and fixing 12 mm thick pre-laminated three layer medium density (exterior grade) particle board Grade I, Type II conforming to IS : 12823 bonded with phenol formaldehyde synthetic resin, of approved brand and manufacture in panelling fixed in aluminium doors, window shutters and partition frames, with C.P. brass/stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge. 24.2.1 Pre-laminated particle board with decorative lamination on one side and balancing lamination of other side	Sqm	37.00	968.20
3	Providing and fixing aluminium sliding door bolt anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with nuts and screws etc. complete:300x16 mm	Each	50.00	213.10
4	Providing and fixing aluminium handles anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with necessary screws etc. complete 125mm	Each	50.00	66.30

5	Providing and fixing alluminium hanging floor door stopper anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with necessary screws etc.complete:Twin rubber stopper	Each	50.00	73.30
6	Demolishing cement concrete including disposal of material within 50 metre lead:			
7	1:4:8 or leaner mix	Cum	25.15	283.20
8	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete .			
9	25mm thick	Sqm	80.00	909.40
10	Providing and laying in position cement concrete of specified grade exluding the cost of centring and shuttering-all work upto plinth level.			
11	1:1.5:3(1 Cement :1.5 coarse sand:3 graded stone aggregate 20 mm nominal size)	Cum	11.00	3,736.30
12	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sqm and under including cutting the patch in proper shape and preparing and plastering the surface of the walls complete including disposal of rubbish to the dumping ground within 50 metres lead.			
13	With cement mortar 1:4(1 cement:4 coarse sand)	Sqm	130.00	135.60
14	Dismantling old plaster or skirting raking out joints and cleaningthe surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	Sqm	50.00	10.30
15	6 mm cement plaster to ceiling of mix :			
16	1:3(1 cement: 3 coarse sand)	Sqm	30.00	74.00
17	Cement plaster in course sand			
18	12 mm cement plaster of mix:			
19	1:4(1 cement :4 coarse sand)	Sqm	30.00	90.70
20	20 mm cement plaster of mix ;			
21	1: 4(1 cement: 4 coarse sand)	Sqm	78	128.1
22	Extra for providing and mixing water proofing material in proportion recommended by the manufacturers:			
23	12 mm cement plaster 1:4(1 cement :4 sand)	Sqm	30.00	3.90
24	20 mm cement plaster 1:4(1 cement: 4 sand)	Sqm	78.00	5.90
25	Mirror polishing on marble work/stone work where ever required to give high gloss finish complete.	Sqm	120.00	163.60

26	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (Thickness to be specified by the manufacture) 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 Motar 1:3(1 cement: 3 coarse sand ) and jointing with grey cement slurry @ 3.3 kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	Sqm	5.00	844.00
27	Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturer) of ist quality conforming to IS : 15622 of approved make in colours such as white , Ivory , Grey , Fume Red , Brown , laid on 20 mm thick Cement motar 1:4 (1 cement: 4 coarse sand ) including pointing the joints with white cement and matching pigment etc., complete.	Sqm.	85.00	912.80
28	Providing and fixing flush door shulter of century board or greenply or kitply have non decorative typecore of block board 32 mm t hick including anodised aluminium butt highest with necessary screws aluminium handle, l-drope, twoer bold etc as per specification of E/S.	Sqm.	9.00	2,750.92
29	Providing and fixing M.S. grills of requirement pattern in frames of windows etc. with M.S. flats, square or round bars etc.all completeFixed to steel windows by welding	Kg	200.00	83.90
30	Providing and fixing water closet squatting pan (Indian type W.C. pan ) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	Each	15.00	3,265.25
31	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require+White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. brass pillar taps	Each	4.00	1,971.35
32	Providing and fixing PTMT Waste Coupling for wash basin and sink, of approved quality and colour. Waste coupling 31 mm dia of 79 mm length and 62mm breadth weighing not less than 45 gms	Each	16.00	99.30
33	Providing and fixing PTMT grating of approved quality and colour.			
34	100 mm nominal dia	Each	12.00	44.20
35	125 mm nominal dia with 25 mm waste hole	Each	17.00	57.00
36	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete			
37	10 litre capacity - White	Each	5.00	853.80
38	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.			

39	32 mm dia	Each	36.00	72.55
40	Providing and fixing C.P. brass <b>Stop cock/Pillar Cock</b> (concealed) of standard design and of approved make conforming to IS:8931.			
41	15 mm dia nominal bore	Each	41.00	618.70
42	Providing and fixing brass bib cock of approved quality : 15 MM DIA BORE	Each	50.00	259.85
43	Providing and fixing brass stop cock of approved quality :15 MM DIA BORE	Each	60.00	259.85
44	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour.			
45	15 mm nominal bore with 45 cm length	Each	26.00	73.15
46	Providing and fixing on wall face unplasticised-PVC(working pressure 4 kgf per sqm) rain water pipes conforming to IS :4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion.			
47	75 mm diameter	Metre	35.00	115.20
48	110 mm diameter	Metre	255.00	199.60
49	Providing and fixing on wall face unplasticised -PVC molded fittings/accessories for unplasticised-PVC rain water pipes conforming to (S:4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion.			
50	Single tee with door			
51	110x110x110mm	Each	25.00	294.60
52	Band 87.5			
53	75 mm bend	Each	24.00	98.60
54	110 mm bend	Each	45.00	153.40
55	Shoe plain			
56	110m Shoe	Each	12.00	293.35
57	Providing and fixing unplasticised -PVC pipe clip of approved design to unplasticised PVC rain water pipe by means of 50x50x50mm hard wood plugs, screwed with M.S. screws of required length including cutting brick work and fixing on cement mortar(1:4) 1 cement: 4corsa sand and making good the wall etc complete			
58	110 mm	Each	80.00	122.80
59	Applying one coat of cement primer of approved brand and manufacture on wall surface:			
60	Distemper primer	Sqm	3,000.00	23.20
61	Distempering with 1st quality washable distemper (ready made ) of approved manufacturer and of required shade and colour complete. As per manufacture's specifications.	Sqm	3,000.00	28.70

62	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches etc. Complete.	Sqm .	2000	4.80
63	Applying priming coat:			
64	Painting With ready mixed zinc chromate yellow primer of approved brand and manufacture on steel galvanized iron/steel works	Sqm	250.00	16.40
65	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:			
66	Two or more coats on new work	Sqm	300.00	42.00
67	Renewing glass panes, with putty and nails wherever necessary:			
68	Float glass panes weighing 10 kg/m <sup>2</sup> (4mm thick glass)	Sqm	55.00	559.20
69	Float glass panes weighing 13.75 kg/m <sup>2</sup> (5.5mm thick glass)	Sqm	20.00	751.70
70	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	Sqm	300.00	69.60
71	Providing and fixing M.S.safety each with necessary screws etc.complete 150 mm	Each	60.00	20.00
72	9.111 Providing and fixing oixidtsed M.S.pressed butt each with necessary screws etc.complete.			
73	100x58x1.9 mm	Each	75.00	20.30
74	75x47x1.7 mm	Each	50.00	15.50
75	Renewing wooden battens in roos, including making good the holes in wall and painting with C type wood preservative of approved brand and manufacture complete including removal of rubbish to the dumping ground within 50 meters lead: 14.18.1 Sal wood battens	Cum	0.15	65,995.20
76	Brick work with bricks of class designation 100A in foundations and plinth in :			
77	Cement mortar 1 :4 (1 cement: 4 coarse sand )	Cum	1.00	3,914.60
78	Extra for brick work in superstructure above floor V level for each four floors or part thereof.	Cum	1.00	295.60
79	Providing and fixing 1 mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3mm MS gusset plates at the junction and corners.all necessary fittings completeincluding applying a priming coat of approved steel primer.			
80	Using flats 30x6 mm for diagonal braces and central cross piece.	Sqm	3.00	2,247.80

81	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.	Each	10.00	30.50
82	Providing and fixing bright finished brass peg stays to steel ventilators with necessary welding and machine screws etc. complete.			
83	250 mm long of minimum weight of 240 grams.	Each	40.00	134.20
84	Providing and fixing alluminium sliding tower bolt anodised(anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with nuts and screws etc. complete:			
85	300x10 mm	Each	40.00	106.10
86	100x10 mm	Each	40.00	48.60
87	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.			
88	Thermo-Mechanically Treated bars TMTC-500-8mm dia.	Kg	20.00	67.00
89	Thermo-Mechanically Treated bars TMTC-500-12mm dia.	Kg	20.00	65.10
90	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete.	Cum	5.00	186.30
91	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc.			
92	15 mm dia nominal bore	Rmt	50.00	181.35
93	20 mm dia nominal bore	Rmt	10.00	282.30
94	Providing and fixing G.I. Union in existing G.I. pipe line, cutting and threading the pipe and making long screws, including excavation, refilling the earth or cutting of wall and making good the same complete wherever required			
95	15 mm dia nominal bore	Each	10.00	331.95
96	20 mm dia nominal bore	Each	5.00	355.20
97	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 :			
98	25 to 40 mm dia nominal bore	Each	3.00	338.90
99	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.			
100	25 mm dia nominal bore	Each	5.00	551.50
101	Providing and fixing to existing door frames			
102	25 mm thick PVC flush door shutters made out of a one piece Multi chamber extruded PVC section of the size of 762 mm X 25 mm or less as per requirement with an average wall thickness of 1 mm ( $\pm$ 0.3 mm). PVC foam end cap of size 23x10 mm are provided on both vertical edges to	Sqm	5.00	2,645.70

	ensure the overall thickness of 25 mm. M.S. tube having dimensions 19 mm x 19 mm and 1.0 mm ( $\pm 0.1$ mm) is inserted along the hinge side of the door. Core of the door shutter should be filled with High Density Polyurethane foam. The Top & Bottom edges of the shutter are covered with an end-cap of the size 25 mm X 11 mm. Door shutter shall be reinforced with special polymeric reinforcements as per manufacturer's specification and direction of Engineer-in-charge to take up necessary hardware and fixtures. Stickers indicating the locations of hardware will be pasted at appropriate places			
103	Any Other category of semi skilled worker not mentioned above	Each	50	184
104	Making the opening in brick masonry including dismantling in floor or walls by cutting masonry and making good the damages to walls, flooring and jambs complete, to match existing surface i/c disposal of mulba/ rubbish to the nearest municipal dumping ground.For door/ window/ clerestory window. sqm	Each	15	447.40
105	Providing and fixing PTMT swivelling shower, 15 mm nominal bore, weighing not less than 40 gms	Each	10	114.40
106	Extra for providing and fixing steel beading of approved shape and section with screws instread of glaxing clips and met. Sash putty in steel dorrs, windows, Ventilators and comosite units.	Sqm.	25	273.5
107				
108	Extra cost for carriage of Material			
109	Local Sand / Earth soil	Cum	10.24	162.76
110	Sone Sand (45 km from Koelwar)	Cum	16.00	545.80
111	Stone Aggregate ,(156 Km From Domchch, Koderma	Cum	10.03	1,593.64
112	Bricks (7P+ 1K)	%o	1.00	476.50
113	Difference of Cost of Bricks	%o	1.00	1,088.90

Quoted Rates:

- a- .....% above  
b- .....% below  
c- .....at estimated cost.

NOTE:-

Contractors are requested to quote their rates % above / % below / at estimated rate  
In above format tenders quoting item wise rate will be rejected.

- 1- Issued to :.....  
2- Full postal address :-  
3- Earnest money deposited :-  
4- Registration No. :-  
5- Time of completion :-

Signature of Contractors

Executive Engineer (C)  
I.G.I.M.S., Patna

INDIRA GANDHI INSTITUE OF MEDICAL SCIENCES: SHEIKHPURA: PATNA-14

**BILL OF QUANTITY**

1	<i>Name of the work</i>	Construction of Compound Wall in front of MBBS Girls Hostel at IGIMS, Patna.
2	<i>Estimated cost</i>	Rs. 1,24,273/-
3	<i>Cost of BOQ</i>	Rs. 500/-
4	<i>Earnest Money Deposited</i>	Rs. 2,485/-
5	<i>Time of Completion</i>	30 Days
6	<i>Last date and time of receipt of tender</i>	13 .02.2015 up to 3.30 PM at office of the Director, IGIMS, Patna-14 through Regd./Speed Post/courier.
7	<i>Date and time of opening of Tender</i>	14 .02.2015 at 13.30 PM Conference Hall, IGIMS, Patna.

Sl. No.	Item Description	Unit	Qty.	Rate
1	Boring, Providing and installing cast in situ single under reamed piles of specified diameter and length below pile cap in M-25 cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with betonies solution and the length of the pile to be embedded in pile cap etc. all complete. (Length of pile for payment shall be measured up to the bottom of pile cap) :	Rmt	<b>27.00</b>	1934.20
2	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete	Cum	<b>5.00</b>	192.50
3	Providing designation 100 A one brick flat soling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I,	Sqm.	<b>7.00</b>	227.60
4	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centring, shuttering ,finishing and reinforcement-All work up to plinth level 1:1:5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate 20 mm nominal size)	Cum	<b>1.50</b>	3881.20
5	Reinforced cement concrete work in wall (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts, etc. up to floor five level excluding cost of centring, shuttering, finishing and reinforcement 1:1:5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate 20mm nominal size)	Cum	<b>1.00</b>	4436.60
6	Half brick masonry with bricks of class designation 100A in foundations and plinth in :Cement mortar 1:4 (1 cement: 34coarse sand)Extra for half Brick masonry in superstructure above plinth level up to floor V level.	Sqm.	30	538.3
7	Centring and shuttering including strutting, propping etc. and removal of form for. Lintels, beams, plinth beams, girders, resumes and cantilevers.	Sqm.	<b>10.00</b>	251.30



8	Centring and shuttering including strutting, propping etc. and removal of form for. Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm.	<b>19.00</b>	344.40
9	Cement plaster in course sand 12 mm cement plaster of mix:1:4 (1 cement :4 coarse sand)	Sqm.	<b>90.00</b>	100.30
10	Applying one coat of cement primer of approved brand and manufacture on wall surface: Cement primer	Sqm.	<b>90.00</b>	24.90
11	Finishing walls with water proofing cement paint of approved brand and manufacture and of required shade to give an even shade New work (three or more coats)	Sqm.	<b>90.00</b>	60.50
12	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete			
13	Thermo-Mechanically Treated bars TMTC-500- 10mm dia.	Kg.	<b>180.00</b>	73.40
14	Mild steel 6.00 mm dia	Kg.	<b>115.00</b>	70.40
15	<b>Extra cost for carriage of Material</b>			
A	Bricks (7P+ 1K)	%o	1.65	476.50
B	Stone Aggregate ,(156 Km From Domchch, Koderma	Cum	2.25	1593.64
C	Sone Sand (45 km from Koelwar)	Cum	12.75	545.80
D	Local Sand / Earth soil (3 Km)	Cum	5.00	162.76

Quoted Rates:

- a- .....% above  
b- .....% below  
c- .....at estimated cost.

NOTE:-

Contractors are requested to quote their rates % above / % below / at estimated rate  
In above format tenders quoting item wise rate will be rejected.

- 1- Issued to :.....  
2- Full postal address :-  
3- Earnest money deposited :-  
4- Registration No. :-  
5- Time of completion :-

Signature of Contractors

Executive Engineer (C)  
I.G.I.M.S., Patna

**INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES: SHEIKHPURA: PATNA-14  
BILL OF QUANTITY**

1	<i>Name of the work</i>	Repair and Painting Work of Department of Radiology (Corridor and East Side Rooms etc) at IGIMS, Patna.
2	<i>Estimated cost</i>	Rs. 3,40,162/-
3	<i>Cost of BOQ</i>	Rs. 750/-
4	<i>Earnest Money Deposited</i>	Rs. 6,805/-
5	<i>Time of Completion</i>	30 Days
6	<i>Last date and time of receipt of tender</i>	13 .02.2015 up to 3.30 PM at office of the Director, IGIMS, Patna-14 through Regd./Speed Post/courier.
7	<i>Date and time of opening of Tender</i>	14 .02.2015 at 13.30 PM Conference Hall, IGIMS, Patna.

Sl. No.	Item Description	Unit	Qty.	Rate
1	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. Gmplete	Sqm	1415.60	5.4
2	Distempering with oil bound washable Distemper of approved brand and manufacture to give an even shade .Old work (one or more coats)	Sqm	729.48	20.20
3	Applying one coat of distemper primer of approved brand and manufacture on wall surface: Distemper primer	Sqm.	729.48	26.10
4	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete	Sqm.	274.00	76.40
5	Providing and fixing fitting aluminium glazed sliding window with 4 mm thick glazing of frost glass fitted on aluminium rail all complete as per specification and direction of E/S.	Sqm	11.31	2959.00
6	Providing and fixing flush door shutter of century board or greenply or kitply have non decorative typecore of block board 32 mm thick including anodised aluminium butt highest with necessary screws aluminium handle, l-drope, twoer bold etc as per specification of E/S.	Sqm.	21.68	2,750.92
7	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	Sqm	50.00	11.30
8	Painting with synthetic enamel paint of approved brand and manufacture to give an even shadeTwo or more coats on new work	Sqm	686.12	50.90
9	Renewing glass panes, with putty and nails wherever necessary:			

a	Float glass panes weighing 10 kg/m <sup>2</sup> (4mm thick glass)	Sqm	10.00	621.60
b	Float glass panes weighing 13.75 kg/m <sup>2</sup> (5.5mm thick glass)	Sqm	5.00	857.10
10	Extra for providing and fixing steel beading of approved shape and section with screws instead of glazing clips and met. Sash putty in steel doors, windows, Ventilators and composite units. For Steel windows, (including necessary drilling in existing window frame as required as per site).	Sqm	67.86	342.50
11	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sqm and under including cutting the patch in proper shape and preparing and plastering the surface of the walls complete including disposal of rubbish to the dumping ground within 50 metres lead. With cement mortar 1:4(1 cement:4 coarse sand)	Sqm.	50.00	150.10
12	Painting with ready mixed paint of approved brand and manufacture in all shades to give an even shade			
a	on Old work steel surface	Sqm	126	38.7
b	old wood work surface	Sqm	214	38.7
13	Providing and fixing aluminium sliding door bolt anodised(anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with nuts and screws etc. complete:	Each	10.00	184.90
14	Providing and fixing aluminium sliding tower bolt anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with nuts and screws etc. complete:			
a	300x10 mm	Each	10.00	114.10
b	150x10 mm	Each	10.00	66.00
15	Providing and fixing aluminium handles anodised(anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with necessary screws etc. complete 100mm	Each	5.00	55.80
16	Providing and fixing aluminium hanging floor door stopper anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with necessary screws etc. complete: Twin rubber stopper	Each	8.00	82.70
17	Providing and fixing IS:3564 bright finished brass hydraulic door closer (best make of approved quality) with necessary accessories and screws etc. complete	Each	4.00	756.10
18	Providing and fixing on wall face unplasticised-PVC (working pressure 4 kg per sqm) rain water pipes conforming to IS :4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion.			
a	75 mm dia	Rmt	20.00	127.40

b	110 mm dia	Rmt	40.00	214.20
19	Providing and fixing on wall face unplasticised -PVC molded fittings/accessories for unplasticised-PVC rain water pipes conforming to (S:4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion.			
a	Single pushfit coupler			
b	75 mm dia PVC	Each	10.00	129.10
c	110 mm dia PVC	Each	10.00	181.20
d	Single tee with door			
e	75 x 75x 75 mm dia PVC	Each	10.00	228.30
f	110x110x110 mm dia PVC	Each	10.00	315.90
g	Single tee without door			
h	75 x 75x 75 mm dia PVC	Each	10.00	203.10
j	110x110x110 mm dia PVC	Each	10.00	265.50
k	Band 87.5			
l	75 mm dia PVC	Each	10.00	116.50
m	110 mm dia PVC	Each	10.00	173.70
20	Providing and fixing unplasticised -PVC pipe clip of approved design to unplasticised PVC rain water pipe by means of 50x50x50mm hard wood plugs, screwed with M.S. screws of required length including cutting brick work and fixing on cement mortar(1:4) 1 cement: 4corsa sand and making good the wall etc complete			
a	100 mm dia PVC	Each	12.00	119.80

21	Providing flashing of 40 cm over al width in plain, G.S. sheet fixed with G.I.J. or L. hooks, bolts and nuts G.I. limpet and bitumen washers complete, bent to shape and fixed in wall with cement mortar 1:3(1 cement:3 coarse sand). 1.00 mm thick with zinc coating not less than 275 gm/m3	Rmt	30.00	352.10
22	Treatment at points of contact ot wood work by chemical emulsion chlordan. (in oil or kerosene based solution)® 0.5 litres per hole by drilling 6 mm dia holes at downward angle of 45 degree at 150 mm centre to centre and sealing the same.	Rmt	210.00	228.30

Quoted Rates:

- a- .....% above
- b- .....% below
- c- .....at estimated cost.

NOTE:-

Contractors are requested to quote their rates % above / % below / at estimated rate In above format tenders quoting item wise rate will be rejected.

- 1- Issued to :.....
- 2- Full postal address :-
- 3- Earnest money deposited :-
- 4- Registration No. :-
- 5- Time of completion :-

Signature of Contractors

Executive Engineer (C)  
I.G.I.M.S., Patna

**INDIRA GANDHI INSTITUE OF MEDICAL SCIENCES: SHEIKHPURA: PATNA-14  
BILL OF QUANTITY**

1	<i>Name of the work</i>	M.S. Chamber, AMS Chamber, DMS Chamber, Hospital Administrator & One Toilet cum Bathroom in existing Air Handling Unit at 2 <sup>nd</sup> floor (West Side) of Ward Block at IGIMS, Patna at IGIMS, Patna.
2	<i>Estimated cost</i>	Rs. 6,26,534/-
3	<i>Cost of BOQ</i>	Rs.1,250/-
4	<i>Earnest Money Deposited</i>	Rs.12,530/-
5	<i>Time of Completion</i>	30 Days
6	<i>Last date and time of receipt of tender</i>	13 .02.2015 up to 3.30 PM at office of the Director, IGIMS, Patna-14 through Regd./Speed Post/courier.
7	<i>Date and time of opening of Tender</i>	14 .02.2015 at 13.30 PM Conference Hall, IGIMS, Patna.

<b>Sl. No.</b>	<b>Item Description</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
1	Distemping with oil bound washable Distemper of approved brand and manufacture to give an even shade .Old work (one or more coats)	Sqm	207.00	20.20
2	Applying one coat of distemper primer of approved brand and manufacture on wall surface: Distemper primer	Sqm.	207.00	26.10
3	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches etc. Complete	Sqm	207.00	5.4
4	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	Sqm.	132.00	76.80
5	Providing and fixing anodised aluminium work for doors, windows, ventilator and partitions with extruded built up standard tubular and other sections of approved make conforming to IS : 733 and IS : 1285, anodised transparent or dyed to required shade according to IS : 1868, (Minimum anodic coating of grade AC 15), fixed with rawl plugs and screws or with fixing clips , or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free straight, mitred and jointed 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 For fixed portion and panelling to be paid for separately	Kg	450.00	354.80

6	Providing and fixing 12 mm thick pre-laminated three layer medium density (exterior grade) particle board Grade I, Type II conforming to IS : 12823 bonded with phenol formaidhyde synthetic resin, of approved brand and manufacture in panelling fixed in aluminium doors, window shutters and partition frames, with C.P. brass/stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge. 24.2.1 Pre-laminated particle board with decorative lamination on one side and balancing lamination of other side	Sqm	60.00	1055.50
7	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/ neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snapbading shall be paid in basic item.) With glass panes of 5.50 mm thickness (weight not less than 13.75 kg/sqm)	Sqm	19.000	1013.20
8	Half brick masonry with bricks of class designation 100A in foundations and plinth in : Extra for half Brick masonry in superstructure above plinth level upto floor V level.	Sqm	30.00	538.30
9	Cement plaster in course sand, 12 mm cement plaster of mix:1:3(1 cement :4 coarse sand)	Sqm.	45.00	100.30
10	Extra for providing and mixing water proofing material in proportion recommended by the manufacturers 12 mm cement plaster 1:4(1 cement:3 sand)	Sqm	30.00	6.00
11	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (Thickness to be specified by the manufacture) 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 @ 3.3 kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	Sqm	15.16	754.20
12	Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as 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 pigment etc., complete.	Sqm.	4.55	788.60

	<p>Providing and fixing tiled false ceiling of approved materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections ( galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, 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 of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8 mm 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 for all heights as per specifications, drawings and as directed by Engineer-in-charge.</p>			
	<p>GI Metal Ceiling Lay in plain Tegular edge Global white colortiles of size 595x595 mm, and 0.5 mm thick with 8 mm drop;made of G I sheet having galvanizing of 100 gms/sqm (bothsides inclusive) and electro statically polyester powder coatedof thickness 60 microns (minimum), including factory paintedafter bending.</p>	Sqm	73.00	1,551.55
14	<p>Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600x600 mm.</p>	Sqm	85.00	1,671.90
15	<p>Deduct for not using 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) bedding in laying of floor tiles.</p>	Sqm	85.00	- 336.80
16	<p>Fixing glazed/ Ceramic/ Vitrified floor tiles with cement based high polymer modified quick-set tile adhesive (Water based) conforming to IS: 15477, in average 3mm thickness.</p>	Sqm	85.00	355.20



17	Providing and fixing fitting aluminium glazed sliding window with 4 mm thick glazing of frost glass fitted on aluminium rail all complete as per specification and direction of E/S.	Sqm	8.00	2959.00
18	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	Each	1.00	694.40
19	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering-all work up to plinth level. 1:1.5:3(1 Cement :1.5 coarse sand:3 graded stone aggregate 20 mm nominal size)	Cum	0.50	3,881.20
20	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.Thermo-Mechanically Treated bars TMTC-500- 8mm dia.	Kg	15.00	74.40
21	10 mm dia	Kg	15.00	73.10
22	Painting with ready mixed paint of approved brand and manufacture in all shades to give an even shade: Old wood work (one more coats)	Sqm	15.00	38.70
23	Providing and fixing alluminium sliding door bolt anodised(anodiccoating not less than grade AC 10 as per IS :1868) transparent ordyed to required colour and shade with nuts and screws etc.complete: 250x 16 mm	Each	5.00	184.90
24	Providing and fixing bright finished brass 100 mm mortice latch and lock, ISI marked, with six levers and a pair of anodised (anodic coating not less than grade AC 10 as per IS : 1868) aluminium lever handles of approved quality with necessary screws etc. complete	Each	3.00	777.90
25	Providing and fixing alluminium sliding tower bolt anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with nuts and screws etc. complete:			
a	300x10 mm	Each	6.00	114.10
b	150x10 mm	Each	6.00	66.00
26	Providing and fixing alluminium handles anodised(anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with necessary screws etc. complete100mm	Each	5.00	55.80
27	Providing and fixing alluminium hanging floor door stopper anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with necessary screws etc.complete:Twin rubber stopper	Each	3.00	35.60

28	Providing and fixing IS:3564 bright finished brass hydraulic door closer (best make of approved quality) with necessary accessories and screws etc. complete	Each	5.00	756.10
29	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required W.C. pan with ISI marked white solid plastic seat and lid	Each	1.00	2,953.50
30	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. 15 mm dia. nominal bore	Rmt	19.85	166.90
31	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work)			
32	15 mm dia nominal bore.	Each	2.00	129.70
33	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 15 mm dia.nominal bore.	Each	1.00	497.00
34	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. 15 mm dia.nominal bore.	Each	2.00	670.70
35	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. 32 mm dia	Each	2.00	81.10
36	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour.	Each	2.00	79.30
37	Providing and fixing PTMT grating of approved quality and colour.Circular type125 mm nominal dia with 25 mm waste hole.	Each	2.00	47.90
38	Providing and fixing PTMT soap Dish Holder having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms	Each	2.00	165.60
39	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	1.00	197.00

40	Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms	Each	1.00	189.40
41	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require White Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap	Each	1.00	2,120.30
42	Providing and fixing on wall face unplasticised-PVC (working pressure 4 kg per sqm) rain water pipes conforming to IS :4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion. 110 mm dia	Rmt	15.00	214.20
43	Providing and fixing on wall face unplasticised-PVC (working pressure 4 kg per sqm) rain water pipes conforming to IS :4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion. 75 mm dia	Rmt	5.00	127.40
44	Providing and fixing on wall face unplasticised -PVC molded fittings/accessories for unplasticised-PVC rain water pipes conforming to (S:4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion.			
	Single pushfit coupler			
	110 mm dia PVC	Each	5.00	181.20
	Single tee with door			
	110 x110 x110 mm dia PVC	Each	2.00	315.90
	Single tee without door			
	110 x110 x110 mm dia PVC	Each	2.00	265.50
	Band 87.5			
44	110 mm dia PVC	Each	2.00	173.70
45	Providing and fixing flush door shutter of century board or greenply or kitply have non decorative type core of block board 32 mm thick including anodised aluminium butt highest with necessary screws aluminium handle, I-drope, twoer bold etc as per specification of E/S.	Sqm.	4.00	2,750.92
46	Carrage of the following material			
a	Sone Sand (45 km from Koelwar)	Cum	2.00	545.80
b	Stone Aggregate ,(156 Km From Domchch, Koderma	Cum	0.45	1,593.64
c	Bricks (7P+ 1K)	%o	1.50	476.50
d	Difference of Cost of Bricks	%o	1.50	1,088.90

Quoted Rates:

- a- .....% above
- b- .....% below
- c- .....at estimated cost.

NOTE:-

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Signature of Contractors

Executive Engineer (C)  
I.G.I.M.S., Patna

**INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES: SHEIKHPURA: PATNA-14  
BILL OF QUANTITY**

1	<i>Name of the work</i>	Renovation of IVF Lab. Area at IGIMS, Patna.
2	<i>Estimated cost</i>	Rs. 1,98,649/-
3	<i>Cost of BOQ</i>	Rs.500/-
4	<i>Earnest Money Deposited</i>	Rs.3,975/-
5	<i>Time of Completion</i>	30 Days
6	<i>Last date and time of receipt of tender</i>	13 .02.2015 up to 3.30 PM at office of the Director, IGIMS, Patna-14 through Regd./Speed Post/courier.
7	<i>Date and time of opening of Tender</i>	14 .02.2015 at 13.30 PM Conference Hall, IGIMS, Patna.

<b>Sl. No.</b>	<b>Item Description</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
	<b>CIVIL WORK</b>			
1	Providing and fixing tiled false ceiling of approved materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections ( galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, 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 of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8 mm 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 for all heights as per specifications, drawings and as directed by Engineer-in-charge.			

a	12.5 mm thick square edge PVC Laminated Gypsum Tile of size 595x595 mm, made of Gypsum plasterboard, manufactured from natural gypsum as per IS 2095 part I and laminated with white 0.16mm thick fire retardant PVC film on the face side and 12micron metalized polyester on the back side with all edges sealed with the face side PVC film which goes around and wraps the edges and is bonded to the edges and the back side metalized polyester film so as to make the tile a completely sealed unit.	Sqm	13.00	1,136.90
2	<u>FLOORING:</u> P& F flexible PVC Sheet flooring in 2.0 mm sheomess in the size of 2mx20meter area classification 23/34/43. Results from independent testing demonstrate that product inherently inhibits the growth of microbial strain MRSA. It shall be homogeneous single layer and monolayer in construction, and shall be manufactured by calendaring and pressing, to ensu8re a dense & smooth. The flooring shall incorporate a specially formulated polyurethane reinforcement, to give life long polish free maintenance. Homogeneous PVC Vinyl flooring (imported) with total weight 3250 g/m2 polyurethane reinforced 9PUR), Abrasion group: 50.15mm, residual identification approx..01 mm, castor wheel test qualified, dimensional stability EN-434, Static electrical charge < 2kv, impact sound reduction approx, good resistance of scratch, slip, chemical and firedoesnt's favour in growth of fungi & bacteria, BRE certified class 'A'	Sqm	36.00	1,730.00
3	Providing and fixing anodised aluminium work for doors, windows, ventilator and partitions with extruded built up standard tubular and other sections of approved make conforming to IS : 733 and IS : 1285,anodised trasparent or dyed to required shade according to IS : 1868,(Minimum anodic coating of grade AC 15), fixed with.rawl plugs and screws or with fixing clips , or with expansion hold fastners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust fre straight, mitred and jointed mechanically wherever required including cleat angle,.Aluminium snap beading tor glazing/panelling, C.P. brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge.(GlazingFor fixed portion and panelling to be paid for separately	Kg	137.00	354.80
4	Providing and fixing 12 mm thick prelaminated three layer medium density (exterior grade) particle board Grade I, Type II conforming to IS : 12823 bonded with phenol formaidhyde synthetic resin, of approved brand and manufacture in panelling fixed in aluminium doors, window shutters and partition frames, with C.P. brass/stainless steel screws etc. complete as per archiectural drawings and directions oa engineer-incharge. 24.2.1 Pre-laminated particle board with decorative lamination on one side and balancing lamination of other side	Sqm	9.00	1,055.50
5	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/ neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge.(Cost of aluminium snap bading shall be paid in basic item.)With glass panes of 5.50 mm thickness(weight not less thar 13.75 kg/sqm)	Sqm	8.00	1,013.20

6	Providing and fixing fitting aluminium glazed sliding window with 4 mm thick glazing of frost glass fitted on aluminium rail all complete as per specification and direction of E/S.	Sqm	10.00	2,959.00
7	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:Two or more coats on new work	Sqm	14.82	50.90
8	Round shape down lighter fitted with CFL (Make-Philips/Bajaj) with all wiring installation.	Each	5	1100
9	Providing and fixing alluminium sliding door bolt anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with nuts and screws etc. complete: 250x 16 mm	Each	4.00	184.90
10	Providing and fixing alluminium sliding tower bolt anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with nuts and screws etc. complete:			
11	300x10 mm	Each	2.00	114.10
12	150x10 mm	Each	2.00	66.00
13	Providing and fixing alluminium handles anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with necessary screws etc. complete100mm	Each	10.00	55.80
14	Providing and fixing alluminium hanging floor door stopper anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with necessary screws etc.complete:Twin rubber stopper	Each	6.00	82.70
15	Providing and fixing IS:3564 bright finished brass hydraulic door closer (best make of approved quality) with necessary accessories and screws etc. coplete	Each	3.00	756.10
16	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 15 mm dia.nominal bore.	Each	2.00	497.00
17	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. 15 mm dia.nominal bore.	Each	2.00	670.70
18	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. 15 mm dia. nominal bore	Rmt	7.00	166.90
19	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work)			
20	15 mm dia nominal bore.	Each	2.00	129.70
21	Providing and fixing PTMT grating of approved quality and colour.Circular type125 mm nominal dia with 25 mm waste hole.	Each	1.00	61.80
22	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps,32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever requireWhite Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap	Each	1.00	2,120.30

23	Providing and fixing on wall face unplasticised-PVC (working pressure 4 kg per sqm) rain water pipes conforming to IS :4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion. 75 mm dia	Rmt	16.19	127.40
24	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches etc. Gmplete	Sqm	120.00	5.4
25	Distemping with oil bound washable Distemper of approved brand and manufacture to give an even shade .Old work (one or more coats)	Sqm	120.00	20.20
26	Applying one coat of distemper primer of approved brand and manufacture on wall surface: Distemper primer	Sqm.	120.00	26.10
27	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. 32 mm dia	Each	1.00	81.10
28	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour.	Each	1.00	79.30
29	Mirror polishing on marble work/stone work where ever required to give high gloss finish complete	Sqm	4.00	184.50

Quoted Rates:

- a- .....% above
- b- .....% below
- c- .....at estimated cost.

NOTE:-

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In above format tenders quoting item wise rate will be rejected.

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Signature of Contractors

Executive Engineer (C)  
I.G.I.M.S., Patna



INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES: SHEIKHPURA: PATNA-14

BILL OF QUANTITY

1	<i>Name of the work</i>	Repair of Guard Room Near Generator Room at IGIMS, Patna.
2	<i>Estimated cost</i>	Rs. 1,53,944/-
3	<i>Cost of BOQ</i>	Rs. 500/-
4	<i>Earnest Money Deposited</i>	Rs. 3,080/-
5	<i>Time of Completion</i>	15 Days
6	<i>Last date and time of receipt of tender</i>	13 .02.2015 up to 3.30 PM at office of the Director, IGIMS, Patna-14 through Regd./Speed Post/courier.
7	<i>Date and time of opening of Tender</i>	14 .02.2015 at 13.30 PM Conference Hall, IGIMS, Patna.

Sl. No.	Item Description	Unit	Qty.	Rate (In Rs.)
1	Brick work with bricks of class designation 100A in foundations and plinth in : Cement mortar 1 :4 (1 cement: 4 coarse sand ) Extra for Brick work in superstructure above plinth level up to floor V cum	Cum	4.00	4184.00
2	Providing and laying in position cement concrete of specified grade exluding the cost of centring and shuttering-all work upto plinth level.1:1.5:3(1 Cement :1.5 coarse sand:3 graded stone aggregate 20 mm nominal size)	Sqm	3.00	3,741.30
3	Cement plaster in course sand 12 mm cement plaster of mix:1:4(1 cement :4 coarse sand)	Sqm.	145.00	100.30
3	Cement plaster in course sand 20 mm cement plaster of mix:1:4(1 cement :4 coarse sand)	Sqm.	37.89	140.60
4	Neat cement punning	Sqm.	37.89	27.90
5	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineerin-charge. The sheet shall be fixed using self drilling / self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required	Sqm.	42.46	622.00

6	Providing and fixing 1 mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3mm MS gusset plates at the junction and corners.all necessary fittings completeincluding applying a priming coat of approved steel primer. sqm 2247.80 10.7.1 Using flats 30x6 mm for diagonal braces and central cross piece.	Sqm.	3.15	2598.90
7	Providing and fixing steel glazed doors, windows and ventilatrs of standard rolled steel sections, joints mitered and welded with 15x3 mm lugs 10 cm long with steel lugs embedded in cement concrete blocks 15x10x10 cm of 1:3:6(1 cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with woodenplugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required, including providing and fixing of glass panes with glazing clips and special metal-sash putty of approved make complete including applying a priming coat of approved steel primer; excluding the cost of metal beading and other fitting except necessary hinges or pivots as required. 10.12.1 Doors	Sqm.	2.28	2928.10
8	Steel work in built up tubular trusses including cutting, hoisting, fixing in position and applying a priming coar of approved steel primer, welded and bolted including special shaped washers etc. complete: 10.16.1 Hot finished welded type tubes	Kg.	130.43	92.90
9	Extra for providing and fixing steel beading of approved shape and section with screws instread of glaxing clips and met. Sash putty in steel dorrs, windows, Ventilators and comosite units.	Sqm.	16.82	342.50
10	Finishing walls with water proofing cement paint of approved brand and manufacture and of required shade to give an even shade New work (three or more coats)+Applying one coat of cement primer of approved brand and manufacture on wall surface:Cement primer	Sqm.	145.00	85.40
11	Painting with ready mixed paint of approved brand and manufacture in all shades to give an even shade: 13.82.1 New steel work (two or more coats)	Sqm.	6.00	60.70
12	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete	Cum	21.91	192.50
13	Providing designation 100 A one brick flat soling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/l,	Sqm	64.89	227.60
14	Any Other category of un skilled worker not mentioned above for cleaning of floor etc.	Each	10	184
15	Extra cost for carriage of Material			
a	Local Sand / Earth soil (3 Km)	Cum	3.00	162.76
b	Sone Sand (45 km from Koelwar)	Cum	7.00	545.80

c	Stone Aggregate ,(156 Km From Domchch, Koderma	Cum	2.56	1593.64
d	Bricks (7P+ 1K)	%o	2.00	476.50
e	Difference of Cost of Bricks	%o	2.00	1088.90
f	Difference of Cost of Cement	tonn	1.00	818.35

Quoted Rates:

- a- .....% above
- b- .....% below
- c- .....at estimated cost.

NOTE:-

Contractors are requested to quote their rates % above / % below / at estimated rate  
In above format tenders quoting item wise rate will be rejected.

- 1- Issued to :.....
- 2- Full postal address :-
- 3- Earnest money deposited :-
- 4- Registration No. :-
- 5- Time of completion :-

Signature of Contractors

Executive Engineer (C)  
I.G.I.M.S., Patna

**INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES: SHEIKHPURA: PATNA-14  
BILL OF QUANTITY**

1	<i>Name of the work</i>	Renovation of Matron Office in Ground Floor Ward Block (west side) at IGIMS, Patna.
2	<i>Estimated cost</i>	Rs.1,75,455/-
3	<i>Cost of BOQ</i>	Rs. 500/-
4	<i>Earnest Money Deposited</i>	Rs. 3,510/-
5	<i>Time of Completion</i>	15 Days
6	<i>Last date and time of receipt of tender</i>	13 .02.2015 up to 3.30 PM at office of the Director, IGIMS, Patna-14 through Regd./Speed Post/courier.
7	<i>Date and time of opening of Tender</i>	14 .02.2015 at 13.30 PM Conference Hall, IGIMS, Patna.

<b>Sl. No.</b>	<b>Item Description</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
<b>Sl. No.</b>	<b>Item Description</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
1	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600x600 mm.	sqm	88.28	1,671.90
2	Deduct for not using 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) bedding in laying of floor tiles.	sqm	1.00	336.80
3	Fixing glazed/ Ceramic/ Vitrified floor tiles with cement based high polymer modified quick-set tile adhesive (Water based) conforming to IS: 15477, in average 3mm thickness.	sqm	1.00	355.20
4	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	Sqm.	50.00	76.80
5	Painting with synthetic enamel paint of approved brand and manufacture to give an even shadeTwo or more coats on new work	sqm	268.00	50.90
6	Providing and fixing alluminium sliding door bolt anodised(anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with nuts and screws etc. complete: 250x 16 mm	Each	2.00	184.90
7	Providing and fixing bright finished brass 100 mm mortice latch and lock, ISI marked, with six levers and a pair of anodised (anodic coating not less than grade AC 10 as per IS : 1868) aluminium lever handles of approved quality with necessary screws etc. complete	Each	2.00	777.90
8	Providing and fixing alluminium sliding tower bolt anodised(anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with nuts and screws etc. complete:			
a	300x10 mm	Each	3.00	114.10
b	150x10 mm	Each	3.00	66.00
9	Providing and fixing alluminium handles anodised(anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with necessary screws	Each	6.00	55.80

	etc. complete 100mm			
10	Providing and fixing aluminium hanging floor door stopper anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with necessary screws etc. complete: Twin rubber stopper	Each	3.00	35.60
11	Providing and fixing IS:3564 bright finished brass hydraulic door closer (best make of approved quality) with necessary accessories and screws etc. complete	Each	2.00	756.10
12	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. 15 mm dia. nominal bore	rmt	30.00	166.90
13	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work)			
14	15 mm dia nominal bore.	Each	2.00	129.70

Quoted Rates:

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- b- .....% below
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Signature of Contractors

Executive Engineer (C)  
I.G.I.M.S., Patna

