

BILL OF QUANTITY

1	<i>Name of the work</i>	Renovation work of Emergency Reception and up gradation of Toilet Block no. 14 & 15 in O.P.D Ground Floor at IGIMS, Patna-14
2	<i>Estimated cost</i>	Rs. 3,96,520/-
3	<i>Cost of BOQ</i>	Rs. 1250/-
4	<i>Earnest Money Deposited</i>	Rs.7,930/-
5	<i>Time of Completion</i>	30 Days
6	<i>Last date and time of receipt of tender</i>	23.12.2014 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>	24.12.2014 at 3.30 PM Conference Hall, IGIMS, Patna.

Sl. No.	Item Description	Unit	Qty.	Rate (In Rs.)
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	118.00	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	21.00	968.20
3	Cement plaster in course sand, 12 mm cement plaster of mix:1:3(1 cement :4 coarse sand)	Sqm.	40.00	102.30

4	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	1.50	3903.40
5	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	195.00	67.00
6	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	2.50	4293.40
7	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	5.00	844.00
8	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.	72.00	912.80
9	Marble work gang saw cut (polished and machine cut) of thickness 18mm for wall lining (veneer work) in cement mortar 1:3 (1 cement :3 coarse sand) including pointing with white cement mortar 1:2 (1 white cement:2 marble dust) with an admixture of pigment to match the marble shade:(To be secured to the backing by means of cramps, which shall be paid for separately) White Marble-Raj Nagar Plain/Udaipur green marble/ Zebra block marble Area of each slab over upto 0.50 sqm	sqm	8.60	2099.50
10	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	168.00	10.30
11	Providing and fixing anodised aluminium grill (anodised transparent or dyed to required shade according to IS: 1868 with minimum anodic coating of grade AC 15) of approved design/pattern, with approved standard section and fixed to the existing window frame with C.P. brass/ stainless steel screws @ 200 mm centre to centre, including cutting the grill to proper opening size for fixing and operation of handles and fixing approved anodised aluminium standard section around the opening, all complete as per requirement and direction of Engineer-in-charge. (Only weight of grill to be measured for payment	kg	9.00	398.45

12	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	10.00	909.90
13	Renewing glass panes, with putty and nails wherever necessary: Float glass panes weighing 10 kg/m2 (4mm thick glass)	sqm	6.00	559.20
14	Providing and fixing M.S. grills of requirement pattern in frames of windows etc. with M.S. flats, square or round bars etc. All complete.	kg	50.00	83.90
15	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	108.00	35.10
16	Providing and fixing flush door shulter of centuary 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.	24.24	2750.92
17	Providing and fixing machine moulded aluminium covering of approved pattern & design, made out of machine cut aluminium sheet and machine holed for receiving dash fastener, over expansion joints on vertical surfaces/ceiling floors, the fixing on plate in one row on one side of joint only shall be done with stainless steel dash fasteners of 8 mm dia and 75 mm long bolt including providing aluminium washers 2 mm thick & 15 mm dia , at a staggered pitch of 200mm centre to centre including drilling holes in the receiving surface and providing expandable plastic sleeves in holes etc. complete as per direction of Engineer-in-charge. 21.7.1 Anodised aluminium sheet 2.5mm thick (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	kg	24.28	469.20
18	Distemping with oil bound washa ble Distemper of approved brand and manufacture to give an even shade .Old work (one or more coats)	sqm	213.08	18.20
19	Applying one coat of distemper primer of approved brand and manufacture on wall surfac e : Distemper primer	Sqm.	213.08	23.20
20	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repari scratches tec. Gmplete	Sqm	213.08	4.80
21	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	Sqm.	20.00	69.60
22	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	7.00	3189.75

23	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm 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 580x440mm with integral type foot rests.	Each	2.00	3265.25
24	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 15 mm dia.nominal bore.	each	20.00	458.40
25	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	10.00	618.70
26	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.			
27	15 mm dia nominal bore	rmt	20.00	156.60
28	20 mm dia nominal bore	rmt	15.00	186.25
29	Providing and fixing PTMT, push cock of approved quality and colour.15 mm nominal bore, 98 mm long, weighing not less than 75 gms	Each	12.00	120.45
30	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	1.00	1971.35
31	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour.	Each	5.00	73.15
32	Providing and fixing on wall face unplastidsed-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. 75 mm dia	rmt	10.00	115.20
33	Providing and fixing on wall face unplastidsed-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. 100 mm dia	rmt	20.00	199.60
34	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.			
35	Single tee with door			
36	75x75x75 mm dia PVC	each	15.00	211.40
37	Band 87.5			
38	75 mm dia PVC	each	10.00	98.60
39	Single tee with door			
40	110x110x110 mm dia PVC	each	10.00	294.60
41	Band 87.5			

42	110 mm dia PVC	each	15.00	153.40
43	Providing and fixing oixidtsed M.S.pressed butt each with necessary screws etc.complete.100x58x1.9 mm	each	20.00	20.30
44	Providing and fixing bright finished brass peg stays to steel ventilators with necessary welding and machine screws etc. Complete 250 mm long of minimum weight of 240 grams	Sqm.	20.00	134.20
45	Providing and fixing M.S.handles with necessary screws etc.complete	each	20.00	21.80
46	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete Flexible pipe 17.28.2.1 32 mm dia	each	6.00	80.70
47	Providing and fixing PTMT grating of approved quality and colour.Circular type100mm nominal dia.	each	15.00	44.20
48	Providing and fixing PTMT grating of approved quality and colour.Circular type125 mm nominal dia with 25 mm waste hole.	each	10.00	57.00
49				
50	Any Other category of semi skilled worker not mentioned above	Each	32.00	184.00
51	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: 250 x 16	Each	5.00	175.70
52	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:			
53	300x10 mm	Each	10.00	106.10
54	150x10 mm	Each	10.00	62.30
55	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	66.30
56	Centring and shuttering including strutting, propping etc. and removal of form forCentring and shuttering including strutting, propping etc. And removal of form for. Foundations, footings, bases of columns etc. For mass concrete.	Sqm.	20.00	137.28
57	Providing and fixing alluminium hanging floor door stopper anodised (anodiccoating not less than grade AC 10 as per IS :1868) transparent or dyed torequired colour and shade with necessary screws etc.complete:Twin rubber stopper	Each	2.00	73.30
58	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	680.90
59	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	2.00	762.55

60	Demolishing brick work including stacking of serviceable material and disposal of unserviceable material within 50 meters lead: In cement mortar	cum	1.00	388.10
61	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work)			
62	15 mm dia nominal bore	each	4.00	155.65
63	20 mm dia nominal bore	each	4.00	178.85
64	Carriage of the following material			
a	Sone Sand (45 km from Koelwar)	cum	5.00	545.80
b	Stone Aggregate ,(156 Km From Domchch, Koderma	Cum	1.50	1593.64
c	Bricks (7P+ 1K)	%o	1.50	476.50

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

BILL OF QUANTITY

1	<i>Name of the work</i>	Repair and Renovation Work of Existing Old Building (08 nos. Unit) IPP-7 for Boy's Hostel at IGIMS, Patna-14
2	<i>Estimated cost</i>	Rs. 7,09,676/-
3	<i>Cost of BOQ</i>	Rs. 1250/-
4	<i>Earnest Money Deposited</i>	Rs. 14,195/-
5	<i>Time of Completion</i>	30 Days
6	<i>Last date and time of receipt of tender</i>	23.12.2014 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>	24.12.2014 at 3.30 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	733.74	4.80
2	Distemping with oil bound washa ble Distemper of approved brand and manufacture to give an even shade .Old work (one or more coats)	sqm	733.74	18.20
3	Applying one coat of distemper primer of approved brand and manufacture on wall surface: Distemper primer	Sqm.	733.74	23.20
4	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth omplete.	Sqm.	220.12	69.60
5	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.	94.00	135.60
6	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	6.00	4,293.40
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	226.00	10.30

8	Roof treatment with electrometric membranous bitumen and synthetically polymerized resin coating providing and laying in situ water proofing treatment with ENI roof EMB (Electrometric polymerized coating) in three coeres including priming the surface with ENI roof EMB primer 1:1 to seal the porosity of the substrate coating 1st layer of ENI roof EMB (Non-Commendation Coating) adding 15 % to 20% of water. Embedding non wove Geo synthetic Geo Membranes as reinforcement in 1st coating while the coating is steel green after an interval of 3 to 4 hours, coating primer ENI Roof SPR adding 15 % to 20% of water sprinkling sand to create key plaster curing the coating and plastering to be paid separately all complete job including cost of material and labour including all taxes royalty, charge of all equipment machinery etc, to carry out job as per specification and direction of E/I.	sqm	200.00	518.50
9	12 mm cement plaster 1:3(1 cement: 3 coarse sand) finished with a floating coat of near cement	sqm	85.00	127.00
10	Cement plaster in course sand 20 mm cement plaster of mix ;1:3 (1 cement: 3 coarse sand)	Sqm	410.00	146.10
11	Neat cement punning	sqm	154.00	25.90
12	Applying one coat of cement primer of approved brand and manufacture on wall surface:Cement primer+Finishing walls with water proofing cement paint of approved brand and manufacture and of required shade to give an even shade Old work (one or more coats)	cum	506.16	57.80
13	Applying priming coat:With ready mixed zinc chromate yellow primer of approved brand and manufacture on steel galvanized iron/steel works+Painting with ready mixed paint of approved brand and manufacture in all shades to give an even shade:Old steel work (one or more coats)	sqm	390.00	51.50
14	Providing and fixing M.S. grills of requirement pattern in frames of windows etc. with M.S. flats, square or round bars etc.all complete 9.82.1 Fixed to steel windows by welding	kg	250.00	83.90
15	Renewing glass panes, with putty and nails wherever necessary: Float glass panes weighing 10 kg/m2 (4mm thick glass)	sqm	28.00	559.20
16	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles above 25 mm and upto 40 mm sqm	sqm	110.16	22.50
17	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	6.50	3,736.30

18	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.	10.00	2,750.92
19	Providing and fixing bright finished brass peg stays to steel ventilators with necessary welding and machine screws etc. Complete 250 mm long of minimum weight of 240 grams	Sqm.	32.00	134.20
20	Providing and fixing oixidtsed M.S.pressed butt each with necessary screws etc.complete.100x58x1.9 mm	each	32.00	20.30
21	Providing and fixing M.S.handles with necessary screws etc.complete	each	50.00	21.80
22	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:			
23	300x10 mm	each	20.00	106.10
24	150x10 mm	each	20.00	62.30
25	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	8.00	1,971.35
26	Providing and fixing C.P. brass bib cock+ of approved quality conformingto IS:8931 :18.49.1 15 mm nominal bore	each	32.00	458.40
27	Providing and fixing PTMT swivelling shower, 15 mm nominal bore, weighing not less than 40 gms	each	8.00	114.40
28	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. 18.52.1 15 mm nominal bore	each	16.00	618.70
29	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.			
30	15 mm dia nominal bore	rmt	48.00	156.60
31	20 mm dia nominal bore	rmt	24.00	186.25
32	25 mm dia nominal bore	rmt	32.00	238.95
33	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work)			
34	15 mm dia nominal bore	each	16.00	155.65
35	20 mm dia nominal bore	each	30.00	178.85

36	25 mm dia nominal bore	each	120.00	190.45
37	Providing and fixing PTMT grating of approved quality and colour. 18.58.1 Circular type	each	24.00	44.20
38	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour 15 mm nominal bore with 45 cm length	each	16.00	73.15
39	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete			
40	Semi rigid pipe 17.28.1.1 32 mm dia	each	8.00	74.90
41	Flexible pipe 17.28.2.1 32 mm dia	each	8.00	80.70
43	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :	each	8.00	427.80
44	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	8.00	762.55
45	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm 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 580x440mm with integral type foot rests.	Each	8.00	3,265.25
46	Providing and fixing on wall face unplasticised-PVC(working pressure 4 kgfper sqm) rain water pipes conforming to IS :4985 including jointing with searing conforming to IS: 5382 leaving 10 mm gap for thermal expansion.			
47	100 mm dia	rmt	20.00	199.60
48	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.			
49	Single tee with door			
50	110x110x110 mm dia PVC	each	32.00	294.60
51	Band 87.5			
52	110 mm dia PVC	each	24.00	153.40

53	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: 4coarse sand and making good the wall etc complete 110 mm	each	50.00	122.80
54	Clearing jungle including uprooting of rank vegetation ,grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1 m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared.	sqm	1,501.25	3.31
55	Felling trees of the girth (measured at a height of 1 m above ground level) including cutting of trunks and branches removing the roots and stacking of serviceable material and disposal of unserviceable material:Beyond 30cm girth upto and including 60 cm girth	each	10.00	100.50
56	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete	Cum	120.00	186.30
57	Any Other category of semi skilled worker not mentioned above	Each	40.00	184.00
58	Providing and laying non-pressure NP2 class (light duty) R.C.C. Pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete : 150 mm dia RCC Pipe	rmt	65.00	340.35
59	Constructing brick masonry chamber for underground C.I. inspectionchamber and bends with bricks in cement mortar 1:4 (1 cement : 4coarse sand) C.I. cover with frame (light duty) 455x610 mm internaldimensions, total weight of cover with frame to be not less than 38kg (weight of cover 23 kg and weight of frame 15 kg), R.C.C. top slabwith 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate20 mm nominal size), foundation concrete 1:5:10 (1 cement : 5 finesand : 10 graded stone aggregate 40 mm nominal size), insideplastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarsesand), finished smooth with a floating coat of neat cement on wallsand bed concrete etc. complete as per standard design :19.30.1 Inside dimensions 455x610 mm and 45 cm deep forsingple pipe line :19.30.1.1 With common burnt clay F.P.S. (non modular) bricks ofclass designation 7.5	each	12.00	4,505.00
60	Earth work in excavation in foundation trenches or drains(not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m . including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.All Kinds of soil	Cum	15.00	178.40
61	Carrage of the following material			
a	Extra cost for carriage of Material			
b	Local Sand / Earth soil (3 Km)	Cum	46.60	162.76

c	Sone Sand (45 km from Koelwar)	Cum	10.00	545.80
d	Stone Aggregate ,(156 Km From Domchch, Koderma	Cum	6.00	1,593.64
e	Bricks (7P+ 1K)	%o	1.00	476.50

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 Renovation work of Microbiology Department at IGIMS, Patna-14		
2	<i>Estimated cost</i>	Rs. 4,63,924/-		
3	<i>Cost of BOQ</i>	Rs. 750/-		
4	<i>Earnest Money Deposited</i>	Rs. 9,280/-		
5	<i>Time of Completion</i>	30 Days		
6	<i>Last date and time of receipt of tender</i>	23.12.2014 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>	24.12.2014 at 3.30 PM Conference Hall, IGIMS, Patna.		
Sl. No.	Item Description	Unit	Qty.	Rate (In Rs.)
1	Distempering with oil bound washable Distemper of approved brand and manufacture to give an even shade .Old work (one or more coats)	Sqm	1,416.00	18.20
2	Applying one coat of distemper primer of approved brand and manufacture on wall surface: Distemper primer	Sqm.	1,416.00	23.20
3	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade: Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	sqm	792.00	64.80
4	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repairs scratches etc. Complete	Sqm	2,208.00	4.80
5	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	Sqm.	331.20	69.60

6	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	54.00	35.10
7	Renewing glass panes, with putty and nails wherever necessary: Float glass panes weighing 10 kg/m ² (4mm thick glass)	sqm	30.26	559.20
8	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.	62.00	135.60
9	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.	9.00	2,750.92
10	Treatment at points of contact of wood work by chemical emulsion chlordane. (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	57.00	165.10
11	Mirror polishing on marble work/stone work wherever required to give high gloss finish complete.	Sqm	450	163.6
12	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: 250 x 16	Each	15.00	175.70
13	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:			
14	300x10 mm	Each	10.00	106.10
15	150x10 mm	Each	10.00	62.30

16	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	66.30
17	Providing and fixing bright finished brass peg stays to steel ventilators with necessary welding and machine screws etc. Complete 250 mm long of minimum weight of 240 grams	Sqm.	30.00	134.20
18	Providing and fixing oixidtsed M.S.pressed butt each with necessary screws etc.complete.100x58x1.9 mm	each	15.00	20.30
19	Providing and fixing M.S.handles with necessary screws etc.complete	each	20.00	21.80
20	Providing and fixing on wall face unplastidsed-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. 75 mm dia	rmt	6.00	115.20
21	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.			
22	Single tee with door			
23	75x75x75 mm dia PVC	each	4.00	211.40
24	Band 87.5			
25	75 mm dia PVC	each	6.00	98.60
26	Centring and shuttering including strutting, propping etc. andremoval of form forCentring and shuttering including strutting, propping etc. andremoval of form for. Foundations, footings, bases of columns etc. formass concrete.	Sqm.	4.00	137.78
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	10.00	73.30

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	12.00	680.90
29	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	50.20	3.90
30	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	4.00	762.55
31	Demolishing brick work including stacking of serviceable material and disposal of unserviceable material within 50 meters lead: In cement mortar	cum	2.00	388.10
32	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	20.00	522.60
33	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. upt floor five level excluding cost of centring, shuttering, finishin and reinforcement1:1:5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate 20mm nominal size)	cum	0.60	3903.4
34	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	35.00	67.00
35	Cement plaster in course sand, 12 mm cement plaster of mix:1:4(1 cement :4 coarse sand)	Sqm.	50.00	90.70

36	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 Motor 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	20	844
37	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.	8	912.8
38	Providing and fixing PTMT, push cock of approved quality and colour. 15 mm nominal bore, 98 mm long, weighing not less than 75 gms	Each	5	120.45
39	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	2	3189.75
40	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm 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 580x440mm with integral type foot rests.	Each	2.00	3,265.25

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 550x400 mm with a pair of 15 mm C.P. brass pillar taps	each	1.00	1971.35
42	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 15 mm dia.nominal bore.	each	10.00	458.40
43	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	5.00	618.70
44	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings completeFlexible pipe 17.28.2.1 32 mm dia	each	10.00	74.90
45	Providing and fixing unplasticised P.V.C. onnection pipe with PTMT Nuts, collar and bush of approved quality and colour.	Each	8.00	73.15
46	Providing and fixing PTMT grating of approved quality and colour.Circular type125 mm nominal dia with 25 mm waste hole.	each	13.00	57.00
47	Providing and fixing machine moulded aluminium covering of approved pattern & design, made out of machine cut aluminium sheet and machine holed for receiving dash fastener, over expansion joints on vertical surfaces/ceiling floors, the fixing on plate in one row on one side of joint only shall be done with stainless steel dash fasteners of 8 mm dia and 75 mm long bolt including providing aluminium washers 2 mm thick & 15 mm dia , at a staggered pitch of 200mm centre to centre including drilling holes in the receiving surface and providing expandable plastic sleeves in holes etc. complete as per direction of Engineer-in-charge. 21.7.1 Anodised aluminium sheet 2.5mm thick (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	kg	9.000	469.20

48	Providing & fixing UV stabilised fiberglass reinforced plastic sheet roofing up to any pitch including fixing with polymer coated 'J' or 'L' hooks, bolts & nuts 8mm dia. G.I plain/bitumen washers complete but excluding the cost of purlins, rafters, trusses etc. The sheets shall be manufactured out of 2400 TEX panel rovigs incorporating minimum 0.3% Ultra-violet stabiliser in resin system under approximately 2400 psi and hot cured. They shall be of uniform pigmentation and thickness without air pockets and shall conform to IS 10192 and IS 12866. The sheets shall be opaque or translucent, clear or pigmented, textured or smooth as specified 2mm thick corrugated (2.5" or 4.2" or 6") or step-down (2" or 3" or 6") as specified	sqm	71.00	960.50
49	Providing and fixing M.S. grills of requirement pattern in frames of windows etc. with M.S. flats, square or round bars etc. All complete.	kg	146.00	83.90
50	Marble work gang saw cut (polished and machine cut) of thickness 18mm for wall lining (veneer work) in cement mortar 1:3 (1 cement :3 coarse sand) including pointing with white cement mortar 1:2(1 white cement:2 marble dust) with an admixture of pigment to match the marble shade:(To be secured to the backing by means of cramps, which shall be paid for separately) White Marble-Raj Nagar Plain/Udaipur green marble/ Zebra block marble Area of each slab over upto 0.50 sqm	sqm	2.00	2009.50
51	Carriage of the following material			
a	Sone Sand (45 km from Koelwar)	cum	4.00	545.80
c	Stone Aggregate ,(156 Km From Domchch, Koderma	Cum	1.00	1593.64
d	Bricks (7P+ 1K)	%o	1.00	476.50

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

BILL OF QUANTITY

1	Name of the work	Repair & Renovation of Deluxe Rooms (Pvt. Ward) in Ward Block at IGIMS, Patna.
2	Estimated cost	Rs. 9,69,963/-
3	Cost of BOQ	Rs. 1250/-
4	Earnest Money Deposited	Rs.19,400/-
5	Time of Completion	30 Days
6	Last date and time of receipt of tender	23 /12 /2014 up to 4.00 PM at office of the Director, IGIMS, Patna-14 through Regd./Speed Post/courier.
7	Date and time of opening of Tender	24 /12 /2014 at 11.30 AM Conference Hall, IGIMS, Patna.

SL. No.	Description of items.	Unit	Qty	Rate (In Rs.)
1	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	139.33	844.00
2	Providing and laying vitrified floor tiles in different sizes {thickness to be specified by the manufactruer) with water absorption's less than 0.08 % and conforming to IS : 15622 of approved make in all colours and shades, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) including grouting the joint with white cement and matching pigments etc., complete.Size of Tile 60x60 cm	Sqm	204.57	1,575.40
3	Dismantling alumiuium/Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material with in 50 m lead as directed by Engineer-in-charge.	Sqm	632.36	10.30
4	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.	Sqm	441.00	135.60

	14.1.2 With cement mortar 1:4(1 cement:4 coarse sand)			
5	Extra for providing and mixing water proofing material in proportion recommended by the manufacturers. 15 mm cement plaster 1:3(1 cement :3 sand	Sqm	441.00	6.10
6	Dismantling aluminium/Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material with in 50 m lead as directed by Engineer-in-charge.	Sqm	120.47	11.00
7	Providing and fixing of Armsstrong/Insula make Acoustical suspended ceiling system with fine fissure tiles having triangular edges with humidity resistance with 99 % RH, Average NRC 55, Light Reflectance > 80%, Thermal conductivity K=0.052 – 0.057 w/c, colour white, fire performance class 0/class 1 (BS-476) with life time warranty against sag in module size of 600 mm x 600 x mm x 15 mm laid on 24XL – Hot Dipped Galvanized steel suspension system having rotary stitching on the Main Runner, 1200 mm 600 mm long cross less to be interlocked between main runners and 1200mm crostees at 600 mm centre to form 600 x 600mm module. Perimeter trim should be Arm strong/Equivalent security fixed at 450 mm centers	Sqm	140.00	1,100.00
8	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 (± 0.3 mm). PVC foam end cap of size 23x10 mm are provided on both vertical edges to ensure the overall thickness of 25 mm. M.S. tube having dimensions 19 mm x 19 mm and 1.0 mm (± 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	Sqm	5.12	2,645.70

9.	Supplying and fixing of aluminium grill of decorative grill or equivalent approved mark with 15 micron (Min) anodising. The aluminium Decogrill make frame completes. Including cost and conveyance of all materials, labour, charge, sundries etc all complete.	Sqm	25.20	3,283.00
10	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade .New work (two or more coats) over and including priming coat with cement primer	Sqm	441.31	52.70
11	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	Sqm	441.30	69.60
12	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary 23 wivel scratches tec. Gmplete	Sqm	441.30	4.80
13	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 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 free straight, mitred and jointed mechanically wherever required including cleat angle,. Aluminium snapbeading for glazing/paneling, C.P. brass/stainless steel screws, all complete as per 23 wiveling 23 ral drawings and the directions of Engineer-in-charge. (Glazing and 23 wivelin to be paid for separately.) For shutters of doors, windows & ventilators including providing and fixing hinges/pivots and making provision for fixing of fittings wherever required including the cost of PVC/ neoprene gasket required (Fittings shall be paid for separately.)	Kg	14.26	384.35
14	Mirror polishing on marble work/stone work where ever required to give high gloss finish complete.	Sqm	19.36	163.60
15	Providing and fixing wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc.	Rm	40.00	148.10

	complete :9.40.1.2 50 x 20 mm			
16	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 : 17.2.1 W.C. pan with ISI marked white solid plastic seat and lid.	Nos	4.00	3,189.75
17	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 : 17.7.1 White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	Nos	4.00	2,174.65
18	Providing and fixing uplasticised PVC connection pipe with brass unions : 15 mm nominal bore	Nos	8.00	67.35
19	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 : 18.49.1 15 mm nominal bore	Nos	4.00	458.40
20	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 a) 15 mm nominal bore 18.53.1 15mm nominal bore	Nos	20.00	506.70
21	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour.600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms	Nos	8.00	448.40
22	Providing and fixing PTMT 24wiveling shower, 15 mm nominal bore, weighing not less than 40 gms	Nos	4.00	114.40
23	Providing and fixing 600x450 mm beveled edge mirror o 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.	Nos	4.00	762.35
24	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	Nos	4.00	181.75

25	Providing & fixing P.T.M.T grating of approved quality and colour. Circular type 125mm dia	Nos	8.00	44.20
26	Providing and fixing aluminium sliding tower bolt anodized (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:			
	300x10 mm	Nos	8.00	106.10
	150x10 mm	Nos	8.00	62.30
27	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 125 mm	Nos	8.00	66.30
28	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:250 mm x 16 mm	Nos	4.00	175.70
29	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 Single rubber stopper	Nos	4.00	73.30
30	Providing and fixing double action hydraulic floor spring of approved brand and manufacture (conforming to IS:6315) for aluminium doors including cost of cutting floors as required, embedding in floors and cover plates etc.complete as per the direction of engineer-in charge	Nos	6.00	2,016.30
31	Providing and fixing 35mm thick factory mode laminated veneer lumber door shutter conforming to IS:14616 & TADS 15-2001 (part B),manufactured in factories by approved manufacturers, including black enameled M.S.butt hinges with necessary screws as per directions of Engineer in charge and paneling with panels of: 12 mm thick prelaminate (with decorative lamination on both sides) particle board Grade-1,medium density fibre pressed, three layer and graded (FPT-1) conforming to IS:3087 bounded with BWP type synthetic resin adhesive as per IS:848 and prelamination conforming to IS : 12823 Grade I. Type-II	Sqm.	17.00	2,576.60
32	Renewing glass panes, with putty and nails wherever necessary: Float glass panes weighing 13.75 kg/m ² (5.5mm thick glass)	Sqm.	12.00	559.20
33	Repairing & Servicing of Aluminium Door. The job includes opening of shutters, changing the necessary fittings like rubber gas kit, tapper clip, handles, hinges, screws (as required) & cleaning the particle board, frames with cleaning chemicals complete job. (Excluding cost of Main Section & particle Board)	Each	4.00	1250.00

34	Extra for carriage cost of materials		-	
	Coarse sand	Cum	48.00	545.80

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

BILL OF QUANTITY

1	Name of the work	Repair Renovation of Exterior Painting of Trauma Centre at IGIMS ,Patna
2	Estimated cost	Rs. 3,73,390/-
3	Cost of BOQ	Rs.750/-
4	Earnest Money Deposited	Rs.7,470/-
5	Time of Completion	30 Days
6	Last date and time of receipt of tender	23 /12 /2014 up to 3.30 PM at office of the Director, IGIMS, Patna-14 through Regd./Speed Post/courier.
7	Date and time of opening of Tender	24 /12 /2014 at 3.30 PM Conference Hall, IGIMS, Patna.

SL. No.	Description of items.	Unit	Qty	Rate (In Rs.)
1	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	48.62	844.00
2	manufacture of required colour to give an even shade: Two or more coats on new work over an undercoat of suitable shade with ordinary pain+ of approved brand and manufacture	Sqm	65.80	64.80
3	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade .New work (two or more coats) over and including priming coat with cement primer	Sqm	186.97	52.70
4	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade : New work (Two or more coats applied @ 1.43 ltr/ 10sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	Sqm	917.26	90.00
5	Applying one coat of cement primer of approved brand and manufacture on wall surface: Distemper primer	sqm	917.26	23.20
6	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	170.91	10.30
7	Cement plaster in course sand 15 mm cement plaster on rough side of single or half brick wall of mix. 1:3 (1 cement :3 coarse sand)	Sqm	170.91	119.30
8	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches etc. Gmplete	Sqm	1170.98	4.80

9	Mirror polishing on marble work/stone work where ever required to give high gloss finish complete.	Sqm	324.04	163.60
10	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	Sqm	642.08	69.60
11	Renewing glass panes, with putty and nails wherever necessary: Float glass panes weighing 10 kg/m ² (4mm thick glass)	Sqm	13.21	559.20
12	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete.	Sqm	9.05	186.30
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/I,	Sqm	25.34	212.90
14	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	8.71	3736.30
15	Providing and fixing M.S. grills of requirement pattern in frames of windows etc. with M.S. flats, square or round bars etc.all complet Fixed to steel windows by welding fixed to openings/wooden frames with rawl plugs screws etc	kg	233.89	83.90
16	Applying priming coat: With ready mixed pink or grey primer of approved brand and manufacture on wood work (hard and softwood)	Sqm	13.43	16.40
17	Painting with ready mixed paint of approved bran New steel work (two or more coats)	Sqm	13.43	55.20
18	Carriage of materia.....			
i)	Local sand	Cum	9.53	162.76
ii)	Crarse (Koilwar) sand	Cum	7.00	545.80
iii)	Stone aggregates (20mm & below nominal size)	Cum	7.50	1593.64
iv)	Bricks	%o	0.90	476.50
v)	Difference cost of bricks	%o	0.90	1088.90

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	Name of the work	Repair and Painting of Surgery Deptt. & Ward (4 th floor Ward Block), Diagnostic Block Main Corridor, OPD Corridor, Paid OPD Room Painting and Stair Case Area of Core Block etc at IGIMS, Patna.
2	Estimated cost	Rs.2,49,370/-
3	Cost of BOQ	Rs. 500/-
4	Earnest Money Deposited	Rs. 4,987/-
5	Time of Completion	15 Days
6	Last date and time of receipt of tender	23 /12 /2014 up to 3.30 PM at office of the Director, IGIMS, Patna-14 through Regd./Speed Post/courier.
7	Date and time of opening of Tender	24/12 /2014 at 3.30 PM Conference Hall, IGIMS, Patna.

SL. No.	Description of items.	Unit	Qty	Rate (In Rs.)
1	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. Gmplete	Sqm	2,269.00	5.40
2	Applying one coat of distemper primer of approved brand and manufacture on wall surface: Distemper primer	Sqm.	1,554.00	26.10
3	Distempering with oil bound washa ble Distemper of approved brand and manufacture to give an even shade .Old work (one or more coats)	Sqm	1,554.00	21.70
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.	876.00	76.40
5	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:One or more coats on old work.	Sqm	707.00	50.90
6	Unskilled worker not mentioned above	Each	65.00	184.00
7	Finishing walls with water proofing cement paint of approved brand and manufacture and of required shade to give an even shade.	Sqm	553.00	39.90
8	With ready mixed pink or grey primer of approved brand and manufacture on wood work (hard and softwood)	Sqm	104.00	25.20
9	Painting with ready mixed paint of approved brand and manufacture in all shades to give an even shade: /Steel(one more coats)	Sqm	104.00	38.70

10	Painting with ready mixed paint of approved brand and manufacture in all shades to give an even shade: Old wood work /Steel(one more coats)	Sqm	87.00	38.70
11	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :	Each	1.00	463.80
12	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete			
13	20 mm dia nominal bore	Each	4.00	441.50
14	25 mm dia nominal bore	Each	2.00	484.40
15	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. 18.52.1 15 mm nominal bore	Each	8.00	670.70
16	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.10 litre capacity - White	Each	7.00	881.30
17	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) 15 mm dia nominal bore	Each	4.00	129.70
18	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour 15 mm nominal bore with 45 cm length	Each	8.00	79.30

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- 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	Name of the work	Rewiring with suitable Electrical Safety Switch Gear, Lighting of Existing Building (08 nos. Unit) IPP-7 for Boys Hostel at IGIMS, Patna		
2	Estimated cost	Rs. 1,07,191/-		
3	Cost of BOQ	Rs. 500/-		
4	Earnest Money Deposited	Rs. 2150/-		
5	Time of Completion	30 Days		
6	Last date and time of receipt of tender	23 /12 /2014 up to 3.00 PM at office of the Director, IGIMS, Patna-14 through Regd./Speed Post/courier.		
7	Date and time of opening of Tender	24 /12 /2014 at 3.30 PM Conference Hall, IGIMS, Patna.		
Sl.No.	Items	Qty.	Unit	Rate (In Rs.)
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with piano type switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.			
a)	Group B (DSR-2014, Page -02)	06.00	No.	543.00
2	Rewiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable and 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable as earth wire in existing surface/ recessed steel /PVC conduit including dismantling as required. Group - B (DSR-2014, Page -03)	51.00	No.	303.00
3	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit along with 1 No 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.(DSR-2014, Page -03)	64.00	Mt.	162.00
4	Wiring for circuit/ sub main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.(DSR-2014, Page -03)			
a)	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	25.00	Mt.	106.00
5	Supplying and drawing following of F.R. P.V.C. insulated copper conductor single core cable in existing surface/recessed steel/P.V.C. conduit, as required (DSR-2014, Page -03 & 04)			
a)	1 x 1.5 sq.mm	28.00	Mt.	22.00
b)	2 x 1.5 sq.mm	28.00	Mt.	36.00
c)	3 x 4 sq.mm	20.00	Mt.	109.00

6	Supplying and fixing following piano type switch/socket on the existing switch box/cover including connection etc. as required (D.S.R.-2014 rate page No.- 06)			
a)	5/6 amps. One way Switch	67.00	No	33.00
b)	5/6 amps.5 pin Socket out let	16.00	No	41.00
7	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) (Note: Vertical type MCB TPDB is normally used where 3 phase outlets are required.)			
a)	4 way (4 + 12), Single door (DSR-2014, Page -11)	02.00	No	2175.00
8	Supplying and fixing following rating 240 volts 'C' series Miniature .Circuit breaker suitable for inductive loads of following poles in the existing M.C.B., D.B. complete with connection, testing and commissioning etc as required (D.S.R -2014 rate page No.-13)			
a)	6 / 32 amps, SPN	24.00	No	169.00
b)	50/63 amp, TPN &(BSR- 2009, Page- 42)	02.00	No	1460.00
9	Supplying of phenolic sheet 3 mm thick (D.S.R.-2014 rate page No.- 61)	70000	sq.cm.	0.10
10	Supplying and fixing batten/angle holder including connection etc. as required (B.S.R.-2009 rate, page No.-33)	42.00	No	28.00
11	Earthing with G.I. earth pipe 4.5 mtr. long ,40mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc.as required .(without charcoal & salt) (DSR-2014, Page -23)	01.00	Set	3007.00
12	Providing and fixing 25mm x5mm tick G.I. strip in 40 mm GI pipe from earth electrode as required.IN GROUND (DSR-2014, Page -24)	06.00	Mt.	421.00
13	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.(DSR-2014, Page -24)	07.00	Mt.	142.00
14	Providing and fixing 6 SWG G.I.loop ear thing wire in surface / recess for loop earthing as required. (DSR-2014, Page -24)	30.00	Mt.	35.00
15	Supply and fixing of 250 watts Sodium Vapour HPSV street light set with 250 watt lamp all complete etc as required.(BSR-2009, Sl. No. 6.8)	02.00	Nos.	4482.00
16	Supplying and fixing mounting rail/box type fitting complete with copper ballast 4' x 40 watt fluorescent lamp etc. directly on ceiling/wall, including connection with 1.5 sq.mm. FR PVC insulated copper conductor cable etc. as required. (B.S.R.-2009 rate -page 1, 6.3.1)			
(a)	Single	16.00	Nos.	487.00
17	Supplying and fixing following types lamp in existing electrical fittings/fixtures etc. as required. B.S.R.-2009 rate -page 04)			
(a)	23 watt CFL, lamp (Sl.no.- 6.10.9)	8.00	Nos	195.00
18	Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.(D S R -2014 Page -6)	8.00	Nos	284.00

19	Providing, laying and fixing following dia G.I. pipe (medium class) in ground complete with G.I. fittings including trenching (75 cm deep) and re-filling etc as required. (D S. R -2014)			
a)	50 mm dia (Page -46)	3.00	Mt.	450.00
20	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required. (DSR-2014)			
a)	Up to 35 sq. mm (Page -26)	60.00	Mt.	195.00
21	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required. (DSR-2014)			
a)	4 X 10 sq. mm (25mm), Page -31	20.00	Nos	193.00
22	Providing and fixing of 500 Amps Bus bar chamber with four strips of suitable sizes heavy duty complete with all accessories ,including connections earthing the body ,etc as (DSR -2014 rate page no. 62)	1.00	Nos	4213.64

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