

**INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14**

**BILL OF QUANTITY-01**

**SHORTURGENT TENDER NOTICE NO. Engg./13 (C&E)/2019-20**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	Aluminium Partition work at 2 <sup>nd</sup> Floor in New Administration Block, Aluminium Partition work in Old medical College, Aluminium Partition in Central store and Aluminium Partition Work on 1 <sup>st</sup> Floor of Dharamshala Building Near Engineering Cell at IGIMS,Patna-14		
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>	Rs. 8,20,400/-		
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>	Rs. 16,450/-		
<b>3</b>	<b>Cost of B.O.Q. (In Rs.) :-</b>	Rs. 1,250/-		
<b>4</b>	<b>Time of completion :- ( In Days)</b>	<b>30 Days</b>		
<b>5</b>	<b>Date, time &amp; place for submission of Complete tender-</b>	As Per NIT		
<b>6</b>	<b>Date and time for opening of tender-(Technical Bid)-</b>	As Per NIT		
<b>7</b>	<b>Date &amp; Time for opening of Price Bid of Technically Suitable bidders.</b>	As Per NIT		
<b>Sl. No.</b>	<b>Item Description Schedule</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / aneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :For fixed portion Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	kg.	1,395.23	369.20
2	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge.			
a	Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side	sqm	312.53	851.20
3	Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory			



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**BILL OF QUANTITY-02**

**SHORTURGENT TENDER NOTICE NO. Engg./13 (C&E)/2019-20**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	<b>Miscellaneous work of Old Medical College at IGIMS, Patna-14</b>		
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>	<b>Rs. 2,33,200/-</b>		
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>	<b>Rs. 4,700/-</b>		
<b>3</b>	<b>Cost of B.O.Q. (In Rs.) :-</b>	<b>Rs. 500/-</b>		
<b>4</b>	<b>Time of completion :- ( In Days)</b>	<b>10 Days</b>		
<b>5</b>	<b>Date, time &amp; place for submission of Complete tender-</b>	<b>As Per NIT</b>		
<b>6</b>	<b>Date and time for opening of tender-(Technical Bid)-</b>	<b>As Per NIT</b>		
<b>7</b>	<b>Date &amp; Time for opening of Price Bid of Technically Suitable bidders.</b>	<b>As Per NIT</b>		
<b>Sl. No.</b>	<b>Item Description Schedule</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
1	Providing and fixing stainless steel ( Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, ( for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	<b>KG.</b>	<b>300.00</b>	<b>496.00</b>
2	Providing and fixing GI Clip in Metal Ceiling System of 600x600 mm module which includes providing and fixing 'C' wall angle of size 20x30x20 mm made of 0.5 mm thick pre painted steel along the perimeter of the room with help of nylon sleeves and wooden screws at 300 mm center to centre, suspending the main C carrier of size 10x38x10 mm made of G.I steel 0.7 mm thick from the soffit with help of soffit cleat 37x27x25x1.6 mm, rawl plugs of size 38x12 mm and C carrier suspension clip and main carrier bracket at 1000 mm c/c. Inverted triangle shaped Spring Tee having height of 24 mm and width of 34 mm made of GI steel 0.45 mm thick is then fixed to the main C carrier and in direction perpendicular to it at 600 mm centers with help of suspension brackets. Wherever the main C carrier and spring T have to join, C carrier and spring T connectors have to be used. All sections to be galvanized @ 120 gms/sqm (both side inclusive), fixing with clip in tiles into spring			
a	Metal Ceiling Clip in plain Beveled edge global white color tiles of size 600x600 and 0.5 mm thick with 25 mm height, made of GI sheet having galvanizing of 100 gms/ sqm (both sides inclusive) and electro statically polyester powder coated of thickness 60 microns (minimum),	<b>Sqm.</b>	<b>12.17</b>	<b>1,357.90</b>



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**BILL OF QUANTITY-03**

**SHORTURGENT TENDER NOTICE NO. Engg./13 (C&E)/2019-20**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	<b>Repair and Painting Work of Residential Quarter D-Type Quarter No-6/2 &amp; 6/4 at IGIMS, Patna</b>		
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>	<b>Rs. 1,95,836/-</b>		
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>	<b>Rs. 4,000/-</b>		
<b>3</b>	<b>Cost of B.O.Q. (In Rs.) :-</b>	<b>Rs. 500/-</b>		
<b>4</b>	<b>Time of completion :- ( In Days)</b>	<b>10 Days</b>		
<b>5</b>	<b>Date, time &amp; place for submission of Complete tender-</b>	<b>As Per NIT</b>		
<b>6</b>	<b>Date and time for opening of tender-(Technical Bid)-</b>	<b>As Per NIT</b>		
<b>7</b>	<b>Date &amp; Time for opening of Price Bid of Technically Suitable bidders.</b>	<b>As Per NIT</b>		
<b>Sl. No.</b>	<b>Item Description Schedule</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
1	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 ing and plastering the surface of the walls complete including disposal of rubbish to the dumping ground within 50 metres lead.			-
a	With cement mortar 1:4	Sqm	50.00	213.3
2	Providing and laying in position cement concrete of specified grade excludng the cost of centring and shuttering-all work upto plinth level.			
a	1:2:4(1 Cement: 2 coarse sand:4 graded stone aggregate 20 mm nominal size)	cum	0.41	4033.00
3	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repari scratches tec. Gmplete	Sqm	650.00	8.10
4	Distemping with oil bound washable Distemper of approved brand and manufacture to give an even shade .Old work (one or more coats)	Sqm	650.00	27.20
5	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm	650.00	31.70
6	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:One or more coats on old work	Sqm	100.00	45.20
7	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.	50.00	82.80
8	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations, of required size,approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1cement : 4coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups,including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.granite			
a	Area of slab over 0.50 sqm	sqm	6.15	3,699.10

9	Providing and fixing flush door shutter 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, I-drope, twoer bold etc as per specification of E/S.	Sqm.	6.30	2,750.92
10	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 sqmincluding pointing in white cement mixed with pigment of matching shadecomplete.	sqm	4.83	739.80
11	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	4.32	671.00
12	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 :			
a	W.C. pan with ISI marked white solid plastic seat and lid		1.00	3,310.00
13	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	9.32	2,959.00
14	Providing and fixing chlorinated polyvinyl chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fitting this includes jointing of pipes & fitting whith one step CPVC solvent cement, trenching, refilling & testing of joints complete as direction of engineer in charge. (External work)			
b	25 mm nominal outer dia pipes	metre	10.00	186.20
c	20 mm nominal outer dia pipes	metre	15.00	142.40
15	Providing and fixing G.I. Union in G.I. pipe including cutting andthreading the pipe and making long screws etc. complete (New work) :			
a	20 mm nominal bore	each	2.00	155.20
b	25 mm nominal bore	each	2.00	192.60
16	Supply and fixing bright finished brass hangging type floor door stopper with necessary screws etc complete	Each	10.00	91.70
17	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	10.00	195.50
18	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	10.00	105.20
b	150x10 mm	Each	10.00	67.80
19	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	15.00	47.50
20	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.15 mm nominal bore	each	7.00	588.20



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**BILL OF QUANTITY-04**

**SHORTURGENT TENDER NOTICE NO. Engg./13 (C&E)/2019-20**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	Laying of Spare Cable from Main Electrical Sub Station to Main Gas manifold and Wiring to shif OT No. 07 & 08 UPS to Another Place at IGIMS, Patna		
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>	Rs. 5,73,501/-		
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>	Rs. 11500/-		
<b>3</b>	<b>Cost of B.O.Q. (In Rs.) :-</b>	Rs. 1250/-		
<b>4</b>	<b>Time of completion :- ( In Days)</b>	15 Days		
<b>5</b>	<b>Date, time &amp; place for submission of Complete tender-</b>	As Per NIT		
<b>6</b>	<b>Date and time for opening of tender-(Technical Bid)-</b>	As Per NIT		
<b>7</b>	<b>Date &amp; Time for opening of Price Bid of Technically Suitable bidders.</b>	As Per NIT		
<b>Sl. No.</b>	<b>Item Description Schedule</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
<b>1</b>	Wiring for circuit/submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.			
<b>a)</b>	4 X 10 sq.mm +1 X10 sq.mm earth wire	Meter	57.00	593.00
<b>b)</b>	4 X 16 sq.mm +1 X16 sq.mm earth wire	Meter	18.00	879.00
<b>2</b>	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.			
<b>b)</b>	Above 185 sq.mm and upto 400 sq.mm	Meter	110.00	178.00
<b>3</b>	Fixing for laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required			
<b>a)</b>	Above 185 sq.mm and upto 400 sq.mm(Clamped with 40 X 3 mm MS flat clamp)	Meter	177.00	109.00
<b>4</b>	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.			
<b>b)</b>	3½ X 300 sq. mm (70mm)	Each	2.00	936.00
<b>5</b>	Supplying and fixing following rating 240/415 volt "C" curve, miniature circuit breaker suitable for inductive loads of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required			
<b>a)</b>	50/63 amps Triple Pole & Neutral	Each	18.00	1635.00



