

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

**BILL OF QUANTITY-01**

**URGENT TENDER NOTICE NO.- Engg. /15/ CW/Tender/2020-21**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	<b>Aluminium Partition Work &amp; Wooden Show-Case in Microbiology Department at Second Floor in New Medical College Building, IGIMS, Patna -14.</b>		
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>	<b>Rs. 13,36,154/-</b>		
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>	<b>Rs. 26,750/-</b>		
<b>3</b>	<b>Cost of B.O.Q. (In Rs.) :-</b>	<b>Rs. 2,500/-</b>		
<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>	<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</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
	<b>CIVIL SCHEDULE</b>			
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/panelling, 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	599.00	382.40
2	Providing and fixing 4mm thick ACP 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	sqm	103.10	1,198.89
3	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber /			

	neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):			
a	With float glass panes of 5.5 mm thickness	sqm	42.28	1,110.20
4	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:One or more coats on old work	Sqm	57.75	80.30
5	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	20.70	4,028.50
6	Providing and fixing M.S. Tubular frames for doors, windows, ventilators and cupboard with rectangular/ L-Type sections, made of 1.60 mm thick M.S. Sheet,joints mitred, welded and grinded finish, with profiles of required size, including fixing of necessary butt hinges and screws and applying a priming coat of			
a	Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately)	Kg.	536.00	195.50
7	Supply and fixing IS : 3564 bright finished brass hydraulic door closer (best make of approved quality) with necessary accessories and screw etc. Complete.	Each	4.00	958.80
8	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. complete125mm	Each	12.00	56.80
9	Supply and fixing bright finished brass hanging type floor door stopper with necessary screws etc complete.	Each	6.00	105.30
10	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868 ), transparent or dyed to required colour or shade, with necessary screws etc.:			
a	300x10mm	each	6.00	111.00
11	Providing and fixing aluminium sliding door bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc.			
a	300x16mm	each	6.00	233.70
12	Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete, including painting of fittings and brackets, cutting and making good the wall wherever required :			

a	Size 600x450x200 mm	Each	4.00	5,001.90
13	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.			
a	75 mm diameter	metre	25.00	158.60
14	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 tee with door			
ii	75x75x75mm	each	4.00	139.80
b	Coupler			
i	75mm	each	4.00	77.80
c	Band 87.5			
i	75mm	each	4.00	89.90
15	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the.			
a	20 mm nominal outer dia Pipes	metre	25.00	336.10
16	Providing & Fixing decorative high pressure laminated sheet of plain /wood grain in gloss / matt / suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality.			
a	1.0 mm thick	sqm	357.01	634.60
17	Providing M.S. Piano hinges ISI marked IS : 3818 finished with nickel plating and fixing with necessary screws etc., complete			
a	Overall width 50 mm	Rmt.	75.60	170.40
18	Providing and fixing bright finished brass handles with screws etc. complete:			
a	100mm	each	42.00	201.90
19	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. Complete			
a	Double strip (horizontal type)	each	42.00	31.00
20	Providing and fixing sliding arrangement in racks/ cupboards/cabinets shutter by with stainless steel rollers to run inside C or E aluminium channel section (The payment of C or E	each	28.00	14.80

	channel shall be made separately)			
21	Providing and fixing 50 mm bright finished brass cup board or wardrobe knob of approved quality with	each	28.00	56.20
22	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	4.00	606.30
<b>CIVIL NON SCHEDULE ITEM</b>				
23	Providing and fixing 12mm thick Centutuary/Green ply of approved brand. For cup-board , ward robe , partition / panelling Etc. All complete as per archiectural drawings and directions of engineer-incharge	sqm	57.75	.....
24	Providing and fixing 19 mm thick Centutuary/Green ply of approved brand. For cup-board , ward robe , partition / panelling Etc. All complete as per archiectural drawings and directions of engineer-incharge	sqm	149.63	.....

**Quoted Rates:for schedule item**

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

**NOTE:-**

Contractors are requested to quote their rates % above / % below / at estimated rate for Schedule Items and Item wise rate for non schedule item as mention in above.

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

Signature of Contractor

Superintending Engineer  
I.G.I.M.S., Patna

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

**BILL OF QUANTITY-02**

**URGENT TENDER NOTICE NO.- Engg. /15/ CW/Tender/2020-21**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	<b>Development of Free Space and Badminton Court in the campus of Guest House at IGIMS, Patna -14.</b>		
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>	<b>Rs. 12,61,925/-</b>		
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>	<b>Rs. 25,300/-</b>		
<b>3</b>	<b>Cost of B.O.Q. (In Rs.) :-</b>	<b>Rs. 2,500/-</b>		
<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>	<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</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
1	Excavation in dumped stones or malba including stacking of serviveable and unserviceable material separately and disposal of unserviceable material lead upto 50 m and lift upto 1.5 m disposed material to be neatly dressed.	cum	16.00	274.40
2	Making plinth protection 50 mm thick of cement concrete 1:3:6 (1mcement :3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75 mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth.	sqm	128.00	430.60
3	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete	cum	113.00	281.40
4	Providing and laying 60 mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size,design & shape, laid in required colour and pattern over and including 50 mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineer-in-charge.e:	sqm	404.64	657.20
5	Providing and laying factory made chamfered edge Cement Concrete paver blocks of required strength,thickness & size/shape, made by table vibratory method , to attain superior smooth finish using PU or equivalent moulds, laid in required Grey colour & pattern over 50mm thick compacted bed of coarse sand, compacting and proper embedding / laying of inter locking			

	paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with jamuna sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand in footpath, parks,lawns, drive ways or light traffic parking etc. all complete as per manufacturer's specifications & direction of Engineer -in-Charge:			
a	80 mm thick c.c. paver block of M-35 grade with white colour design and pattern.	sqm	554.00	866.90
6	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).Kerb-Stone Block- M25 Grade (Size:450mm x 300mm x150mm )	cum	23.00	7,831.10
7	Cement plaster in course sand 12 mm cement plaster of mix:1:4(1 cement :4 coarse sand)	Sqm.	32.00	146.00
8	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:One or more coats on old work	Sqm.	158.00	51.50
9	Providing and fixing M.S. grills of requirement pattern in frames of windows etc. with M.S. flats, square or round bars etc.all pleteFixed to steel windows by welding	kg	400.00	116.90
10	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.			
a)	All kinds of soil	cum	112.48	360.70
11	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.			
a	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	each	16.00	439.00
12	Providing and laying in position cement concrete of specified grade exluding 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	6.86	3,832.50
13	Brick work with bricks of class designation 100A in foundations and plinth in : Cement mortar 1:6 (1 cement: 6 coarse sand )	Cum	2.08	4,849.20
14	Carriage of Material			

a	Local Sand	Cum	113.00	260.70
b	Sone Sand (45 km from Koelwar)	Cum	50.50	877.70
c	Stone Aggregate (110 km. from Gaya manpur)	cum	10.70	1,865.91
d	Difference of Cost of Cement	tonn	5.50	236.95
e	Bricks Agreegate (7P+ 1K)	cum	9.49	373.80
c	Bricks (7P+ 1K)	%o	0.98	767.08
d	Difference of Cost of Bricks	%o	0.98	1,470.46

**Quoted Rates:for schedule item**

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

**NOTE:-**

Contractors are requested to quote their rates % above / % below / at estimated rate for Schedule Items and Item wise rate for non schedule item as mention in above.

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

Signature of Contractor

Superintending Engineer  
I.G.I.M.S., Patna

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

**BILL OF QUANTITY-03**

**URGENT TENDER NOTICE NO.- Engg./15/ CW/Tender/2020-21**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	<b>Painting Work of Anesthesia Department Post Anesthesia Unit in O.T Counseling Room in SICU and Repair, Renovation of Core Block Toilet at Ground Floor, 1st Floor at IGIMS, Patna -14.</b>		
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>	<b>Rs. 10,91,700/-</b>		
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>	<b>Rs. 21,900/-</b>		
<b>3</b>	<b>Cost of B.O.Q. (In Rs.) :-</b>	<b>Rs. 2,500/-</b>		
<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>	<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</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
	CIVIL SCHEDULE			
1	Dismantling of flushing cistern of any size including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	each	10.00	372.10
2	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 meters lead.			
a	Of area beyond 3 sqm	each	15.00	73.10
3	Dismantling tile work floor and roofs laid in cement mortar including stacking material within 50 metres lead.	Sqm	181.54	28.80
4	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material within 50 metres lead.	cum	3.00	1,324.40
5	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	40.30	20.30
6	Half brick masonry with bricks of class designation 100A in foundations and plinth in : cement mortar 1:4 (1 cement: 4 coarse sand)	sqm	15.39	601.10
7	Cement plaster in course sand 12 mm cement plaster of mix:1:4(1 cement :4 coarse sand)	Sqm.	15.39	146.00
8	15 mm cement plaster on rough side of single or half brick wall of mix.	Sqm.	15.39	168.50
9	Providing and laying in position cement concrete of specified grade excluding 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	3.50	3,832.50
10	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	161.48	225.60
11	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repari scratches tec. Gmplete	Sqm	3,229.65	9.10
12	Distemping with oil bound washa ble Distemper of approved brand and manufacture to give an even shade .Old work (one or more coats)	Sqm	3,229.65	31.60
13	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm	3,229.65	36.80
14	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.	161.48	77.70
15	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:One or more coats on old work	Sqm	80.00	51.50
16	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	108.00	712.20
17	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	114.72	688.00
18	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.	10.08	2,750.92
19	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length	cum	0.25	94,881.90

	( hold fast lugsdash fastener shall be paid for separately) Sal wood			
20	Providing and fixing factory made P.V.C. door frame of size 50x47 mm with a wall thickness of 5 mm, made out of extruded 5 mm rigid PVC foam sheet, mitred at corners and joined with 2 Nos. of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineer-in-Charge	mtr.	35.00	366.10
21	Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19 mm x 19 mm for styles and 15x15 mm for top & bottom rails. .S.frame shall have a coat of steel primers of approved make and manufacture . M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5 mm thick, 95 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5 mm x 2 ) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail. paneling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame elded/sealed to the styles & rails with 7 mm (5 mm+2 mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of Engineer-in-charge, manufacturer's specification &			
a	30 mm thick plain PVC door	sqm.	11.03	2,280.60
22	Supply and fixing IS : 3564 bright finished brass hydraulic door closer (best make of approved quality) with necessary accessories and screw etc. Complete.	Each	6.00	958.80
23	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. complete 125mm	Each	12.00	56.80
24	Supply and fixing bright finished brass hanging type floor door stopper with necessary screws etc complete.	Each	12.00	105.30
25	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868 ), transparent or dyed to required colour or shade, with necessary screws etc.:			
a	300x10mm	each	12.00	111.00

b	150x10mm	each	12.00	71.20
26	Providing and fixing aluminium sliding door bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc.			
a	300x16mm	each	12.00	233.70
27	Cutting holes up to 30x30 cm in walls including making good the same:			
a	With common burnt clay F.P.S. (non modular) bricks	each	6.00	193.70
28	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of Engineer in Charge.			
a	32 mm nominal outer dia	metre	45.00	352.30
b	25 mm nominal outer dia	metre	66.00	265.30
c	20 mm nominal outer dia	metre	135.00	197.40
29	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work)			
a	20 mm dia nominal bore.	Each	7.00	170.80
b	25 mm nominal bore	Each	7.00	249.70
c	32 mm nominal bore	Each	7.00	293.90
30	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :			
a	25 mm dia nominal bore.	Each	7.00	497.20
31	Providing and fixing PTMT grating of approved quality and colour.Circular type125 mm nominal dia with 25 mm waste hole.	each	14.00	51.30
32	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	10.00	978.90
33	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.			
a	75 mm diameter	rmt	67.00	158.60
b	110 mm diameter	rmt	200.00	252.60
34	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	110 mm	each	34.00	174.06
35	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 tee with door			
i	110 x110 x110 mm dia PVC	each	20.00	191.20
b	Single tee without door			
i	110 x110 x110 mm dia PVC	each	20.00	188.60
c	Band 87.5			
i	75 mm bend	each	7.00	89.90
ii	110 mm dia PVC	each	20.00	129.80
36	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.Semi rigid pipe			
a	32 mm dia	each	8.00	87.70
37	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour.			
a	15 mm nominal bore with 45 cm length	each	8.00	112.40
38	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 fixtures complete, including cutting and making good the walls and level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and floors wherever required White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	each	4.00	4,251.10
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 :	each	4.00	4,090.60
40	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required			
a	One urinal basin with 5 litre white P.V.C. automatic flushing cistern	each	4.00	3,622.40
41	Providing and fixing wash basin with C.I. brackets, 15mm C.P. brass taps 32mm, C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the wall and floor wherever required.			

a	White Vitreous china wash basin minimum size 630 mm x 400 mm single 15mm CP brass pillar tap	Each	8.00	2,230.60
42	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	184.00	382.40
43	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item):			
a	With float glass panes of 5.5 mm thickness	sqm	2.00	1,110.20
44	Providing and fixing 4mm thick ACP 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	sqm	48.02	1,198.89
45	Carrage of the following material			
a	Sone Sand (45 km from Koelwar)	Cum	9.00	877.70
b	Stone Aggregate, Gaya manpur	Cum	2.50	1,865.91
c	Bricks (7P+ 1K)	%o	0.80	682.47
d	Difference of Cost of Bricks	%o	0.80	1,463.49
e	Difference of Cost of Cement	tonn	4.90	236.95
	<b>Non Schedule Item</b>			
46	Providing and Fixing Pillar Cock Auto Closing System with 65 mm extension body all Complete. Jaguar Model PRS-031L65 or equivalent.	Each	16.00	.....
47	Providing and Fixing Angular Stop Cock with wall flange all Complete. Jaguar Model FLR-5053N or equivalent.	Each	16.00	.....
48	Providing and Fixing Concealed Stop Cock with wall flange all Complete. Jaguar Model CON-083KN or equivalent.	Each	16.00	.....
49	Providing and Fixing Bib Cock with wall flange all complete. Jaguar Model CON-047KN or equivalent.	Each	16.00	.....
50	Providing and Fixing Towel Ring round with round flange all complete. Jaguar Model ACN-CHR-1121BN or equivalent.	Each	8.00	.....

51	Providing and Fixing Hand shower (Health Faucet) with 8mm Dia, 1 Meter Long Flexible Tube & Wall Hook all complete. Jaguar Model ALD-CHR-573 or equivalent.	Each	8.00	
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**Quoted Rates:for schedule item**

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

**NOTE:-**

Contractors are requested to quote their rates % above / % below / at estimated rate for Schedule Items and Item wise rate for non schedule item as mention in above.

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

Signature of Contractor

Superintending Engineer  
I.G.I.M.S., Patna

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

**BILL OF QUANTITY-04**

**URGENT TENDER NOTICE NO.- Engg. /15/ CW/Tender/2020-21**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	<b>Mirror Polishing Work of Ground Floor of OPD Block, Ward Block Corridor, Connecting Corridor and Diagnostic Block Corridor at IGIMS, Patna - 14.</b>		
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>	<b>Rs. 8,18,284/-</b>		
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>	<b>Rs. 16,400/-</b>		
<b>3</b>	<b>Cost of B.O.Q. (In Rs.) :-</b>	<b>Rs. 1,250/-</b>		
<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>	<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</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
<b>1</b>	Mirror polishing on marble work/stone work where ever required to give high gloss finish complete.	sqm	3,786.600	216.10

**Quoted Rates:for schedule item**

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

**NOTE:-**

Contractors are requested to quote their rates % above / % below / at estimated rate for Schedule Items and Item wise rate for non schedule item as mention in above.

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

Signature of Contractor

Superintending Engineer  
I.G.I.M.S., Patna

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

**BILL OF QUANTITY-05**

**URGENT TENDER NOTICE NO.- Engg. /15/ CW/Tender/2020-21**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	<b>Development Periphery Area and Making Sun Shed of Blood Collection Center and Water Supply Connection from Pump to RCC New Building at IGIMS, Patna -14.</b>		
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>	<b>Rs. 7,16,950/-</b>		
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>	<b>Rs. 14,400/-</b>		
<b>3</b>	<b>Cost of B.O.Q. (In Rs.) :-</b>	<b>Rs. 1,250/-</b>		
<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>	<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</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
	<b>CIVIL SCHEDULE</b>			
<b>1</b>	Demolishing cement concrete including disposal of material within 50 metre lead:			
<b>a</b>	1:3:6 or richer mix	cum	2.50	911.40
<b>2</b>	Excavating trenches of required width for pipes cables, etc, including excavation for sockets, depth upto 1.5 m including getting out the excavated materials , returning the soil as required in layers not exceeding 20 cm in depth including consolidating each deposited layer by ramming, watering, etc. stacking serviceable material for measurements and disposed ' of unserviceable material as directed, within a lead of 50 m:			
<b>a</b>	Pipes, cables etc. not exceeding 80 mm dia. m length of pipe	mtr.	62.00	389.90
<b>3</b>	Cutting holes up to 15x15 cm in R.C.C. floors and roofs for passing drain pipe etc. and repairing the hole after insertion of drain pipe etc. with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size),	each	6.00	204.30



	including finishing complete so as to make it leak proof.			
4	Cutting holes up to 30x30 cm in walls including making good the same: With common burnt clay F.P.S. (non modular) bricks	each	8.00	193.70
5	Constructing masonry Chamber 60x60x75 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve,with C.I. surface box 100mm top diameter, 160 mm bottom diameter and 180 mm deep ( inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size ) , i/c necessary excavation, foundation concrete 1:5:10(1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominalsize) and inside plastering with cement mortar 1:3 (1 cement : 3coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design			
a	With common burnt clay F.P.S.(non modular) bricks of class designation 100A	each	3.00	6,755.10
6	Providing and laying factory made chamfered edge Cement Concrete paver blocks of required strength,thickness & size/shape, made by table vibratory method , to attain superior smooth finish using PU or equivalent moulds, laid in required Grey colour & pattern over 50mm thick compacted bed of coarse sand, compacting and proper embedding / laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with jamuna sand and cutting of paver blocks as per required size and pattern,finishing and sweeping extra sand in footpath, parks,lawns, drive ways or light traffic parking etc. all complete as per manufacturer'sspecifications & direction of Engineer -in-Charge:			
a	80 mm thick c.c. paver block of M-35 grade with approved colour design and pattern.	sqm.	69.00	915.10
7	Painting with ready mixed paint of approved brand and manufacture in all shades to give an even shade			
a	New steel work (two or more coats)	sqm.	50.00	80.30
8	Applying priming coat:			
a	With ready mixed zinc chromate yellow primer of approved brand and manufacture on steel galvanized iron/steel works	sqm.	50.00	32.40

9	Brick work with bricks of class designation 100A in foundations and plinth in Cement mortar 1:6 (1 cement: 6 coarse sand )	Cum	1.00	4,849.20
10	Providing designation 100 A one brick flat soling joints filled with local sqm 285.20 sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I,	sqm	78.00	285.20
11	Supplying and filling in plinth with local sand under floors including, watering, ramming consolidating and dressing complete.	cum	18.00	281.40
12	Providing and laying in position cement concrete of specified grade exluding 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	7.60	3,832.50
13	Centring and shuttering including strutting,propping etc. and removal of form for.			
a	Foundations, footings, bases of columns etc. for mass concrete.	sqm	16.00	203.00
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 completeFixed to steel windows by welding	kg	860.00	116.90
15	Providing and fixing precoated galvanised iron profile sheets (size,shape and pitch of corrugation as approved by Engineer-in-charge) 0.50mm (+ 0.05 %) total coated thickness with zinc coating 120 grams persqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primeron both side of the sheet and polyester top coat 15-18 microns. Sheetshould have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single lengthupto 12 etre or as desired by Engineer-in-charge. The sheet shall befixed using self drilling /self tapping screws of size (5.5x 55 mm) withEPDM seal, complete upto any pitch in horizontal/ vertical or curvedsurfaces, excluding the cost of purlins, rafters and trusses and includingcutting to size and shape wherever required.	Sqm.	65.00	586.10
16	Providing ridges or hips of width 60 cm overall width plain G.S. sheet vfixed with G.I.J. or L hooks . Bolts and nuts 8 mm dia. G. 1. limpet and bitumen washers complete. .			
a	0.80 mm thick with zinc coating not less than 275 gm/m 2 Consider the length of the ridge 10.35 metres. The ridge will be made out of plain G. I. sheets 0.9 m x 1.8 m	mtr.	1.50	585.10
17	Extra for circular cutting in C. G. S. sheet roofing for making opening of area exceeding 40 square decimeter			

a	0.63 mm thick m 204.80	mtr.	1.00	204.80
18	Providing valleys of 90 cm wide overall in plain G.S. sheet fixed with G.I.J. or L hooks, bolts and nuts 8 mm dia. G.I. limpet and bitumen washers complete 1.60 mm thick with zinc coating not less than 350 gm/mz	mtr.	17.40	1,107.10
19	Providing 10 mm thick plaster of Paris (Gypsum anhydrous) ceiling upto a height of 5 m above floor level over first class kail wood strips 25x6x mm with 10 mm gap in between and reinforced with rabbit wire mesh fixed to wooden frame (frame work to be paid separately)			
a	Flat surfaces	sqm.	8.00	905.20
20	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.			
a	110 mm diameter	metre	40.00	252.60
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.			
a	Band 87.5			
i	110mm	each	14.00	129.80
22	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: 4 corsa sand and making good the wall etc complete			
i	110mm	each	18.00	174.06
23	15 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement on the rough side of single or half brick wall	sqm.	22.27	219.90
24	Providing & fixing UV stabilised fiberglass reinforced plastic sheetroofing 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 rovigis 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.Thesheets shall be opaque or translucent, clear or pigmented, textured or smooth as specified.			
a	2mm thick flat	sqm	58.13	927.10
25	Unskilled Labour for removing garbage and jungle on garage terrace	Nos	40.00	287.00
26	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (Newwork) : :			
a	80 mm nominal bore each	each	4.00	895.00
27	Providing, installation, testing and commissioning of non-return valve of following sizes conforming to IS: 5312 complete with rubber gasket, GI bolts, nuts, washers etc.as required :			
a	80 mm dia	each	3.00	7,256.00
28	Providing, laying, testing & commissioning of 'B' class heavy duty G.I. pipe conforming to IS 1239 including welding, fittings like elbows, tees, flanges, tapers, nuts, bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with two or more coats of synthetic enamel paint of required shade complete as required :			
a	80 mm dia	m	90.00	1,066.00
29	Providing, laying, testing & commissioning of 'C' class heavy duty MS pipe conforming to IS 3589/IS:1239 including Welding, fittings like elbows, tees, flanges, tapers, nuts bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with two or more coats of synthetic enamel paint of required shade complete as required			
a	150 mm dia	m	6.00	1,835.00
30	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	27.88	712.20

31	Carrage of the following material			
a	local sand	Cum	19.00	260.70
b	Sone Sand (45 km from Koelwar)	Cum	4.12	877.70
c	Stone Aggregate ,Gaya manpur	Cum	6.76	1,865.91
d	Bricks (7P+ 1K)	%o	3.02	682.47
e	Difference of Cost of Bricks	%o	3.02	1,463.49
f	Difference of Cost of Cement	tonn	3.30	236.95
	<b>CIVIL NON SHEDULE ITEM</b>			
32	Providing and fixing on wall face unplasticised-PVC rain water pipes .leaving 10 mm gap for thermal expansion.			
a	150 mm diameter	mt.	22.00	.....
33	Providing and fixing on wall face unplasticised -PVC molded fittings/accessories for unplasticised-PVC rain water pipes. leaving 10 mm gap for thermal expansion.			
a	Band 87.5			
(i)	150 mm dia PVC	each	8.00	.....
34	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	150 mm	each	12.00	.....
35	Providing and fixing unplasticised PVC connection pipe with brass ions 45 cm length:			
a	20 mm nominal bore	each	32.00	.....
36	Providing and Fixing Two way angle Cock with flange all Complete. PRAYAG Model no-PIS-11 H or equivalent.	Each	14.00	.....
37	Providing and Fixing shower with arm all complete. Arm size 300mm long 6" overhead shower.Make-Prayag cat no-BS-79S or equivalent.	Each	31.00	.....
38	Providing and Fixing Jet spray with 1 meter PVC Tube (Stainless steel) all complete. ESSCO Model ALE-547 or equivalent.	Each	14.00	.....
40	Providing and Fixing Pillar Cock System with 65 mm extension body all Complete. MAKE PRAYAG	Each	7.00	.....

**Quoted Rates:for schedule item**

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

**NOTE:-**

Contractors are requested to quote their rates % above / % below / at estimated rate for Schedule Items and Item wise rate for non schedule item as mention in above.

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

Signature of Contractor

Superintending Engineer  
I.G.I.M.S., Patna

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

**BILL OF QUANTITY-06**

**URGENT TENDER NOTICE NO.- Engg. /15/ CW/Tender/2020-21**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	<b>Repair &amp; Renovation Work of MDH and M.S. Bungalow Boundary Wall at IGIMS, Patna -14</b>		
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>	<b>Rs. 6,50,306/-</b>		
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>	<b>Rs. 13,100/-</b>		
<b>3</b>	<b>Cost of B.O.Q. (In Rs.) :-</b>	<b>Rs. 1,250/-</b>		
<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>	<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</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
	CIVIL SCHEDULE			
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	350.00	225.60
2	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repari scratches tec. Gmplete	Sqm	3,500.00	9.10
3	Finishing walls with Acrylic Smooth exterior paint of required shade :			
a	New work (Two or more coat applied @ 1.67 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	sqm	3,500.00	127.20
4	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:One or more coats on old work	Sqm	665.00	51.50
5	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	220.00	116.90
6	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 m	sqm.	1,105.00	12.73
7	Excavation in dumped stones or malba including stacking of serviveable and unserviceable material separately and disposal	cum	50.00	274.40

	of unserviceable material lead upto 50 m and lift upto 1.5 m disposed material to be neatly dressed.			
8	Carrage of the following material			
a	Sone Sand (45 km from Koelwar)	Cum	6.80	877.70
b	Difference of Cost of Cement	tonn	2.43	236.95

**Quoted Rates:for schedule item**

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

**NOTE:-**

Contractors are requested to quote their rates % above / % below / at estimated rate for Schedule Items and Item wise rate for non schedule item as mention in above.

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

Signature of Contractor

Superintending Engineer  
I.G.I.M.S., Patna



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

**BILL OF QUANTITY-07**

**URGENT TENDER NOTICE NO.- Engg. /15/ CW/Tender/2020-21**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	<b>Aluminium Partition Work in Biochemistry Department in New Medical College Building at IGIMS, Patna -14.</b>
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>	<b>Rs. 5,94,100/-</b>
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>	<b>Rs. 11,900/-</b>
<b>3</b>	<b>Cost of B.O.Q. (In Rs.) :-</b>	<b>Rs. 1,250/-</b>
<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>	<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</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
	CIVIL SCHEDULE			
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/panelling, 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	536.00	382.40
2	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item):			
a	With float glass panes of 5.5 mm thickness	sqm	28.55	1,110.20
3	Providing and fixing 4mm thick ACP of approved brand and manufacture in panelling fixed in aluminium doors, window shutters and partition frames, with C.P. brass/stainless steel	sqm	285.00	1,198.89

	screws etc. complete as per architectural drawings and directions of engineer-in-charge			
4	Supply and fixing IS : 3564 bright finished brass hydraulic door closer (best make of approved quality) with necessary accessories and screw etc. Complete.	Each	10.00	958.80
5	Supply and fixing bright finished brass hanging type floor door stopper with necessary screws etc complete.	Each	10.00	105.30
6	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: 250x 16 mm	Each	10.00	208.30
7	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	111.00
b	150x10 mm	Each	10.00	71.20
8	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	20.00	56.80

**Quoted Rates:for schedule item**

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

**NOTE:-**

Contractors are requested to quote their rates % above / % below / at estimated rate for Schedule Items and Item wise rate for non schedule item as mention in above.

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

Signature of Contractor

Superintending Engineer  
I.G.I.M.S., Patna

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

**BILL OF QUANTITY-08**

**URGENT TENDER NOTICE NO.- Engg./15/ CW/Tender/2020-21**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	<b>Repair and Painting Work of Residential A-Type Quarter at IGIMS, Patna -14.</b>		
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>	<b>Rs. 3,20,000/-</b>		
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>	<b>Rs. 6,400/-</b>		
<b>3</b>	<b>Cost of B.O.Q. (In Rs.) :-</b>	<b>Rs. 750/-</b>		
<b>4</b>	<b>Time of completion :- ( In Days)</b>	<b>15 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</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
1	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material withing 50 metres lead.			
a	1:3:6 or richer mix. (Over hade water tank)	cum	0.50	911.40
2	Kitchen sink without drain board			
a	610x460 mm bowl depth 200 mm	each	3.00	2,370.20
3	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	100.00	225.60
4	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repari scratches tec. Gmplete	Sqm	2,112.00	9.10
5	Distempering with oil bound washa ble Distemper of approved brand and manufacture to give an even shade .Old work (one or more coats)	Sqm	2,112.00	31.60
6	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm	2,112.00	36.80
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.	100.00	77.70
8	Painting with synthetic enamel paint of approved brand and	Sqm	315.00	51.50

	manufacture to give an even shade:One or more coats on old work			
9	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	77.72	116.90
10	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, l-drope, twoer bold etc as per specification of E/S.	Sqm.	18.90	2,750.92
11	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centring,shuttering,finishing and reinforcement-All work upto plinth level			
a	1:1:5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate 20 mm nominal size)	cum	0.63	4,630.90
12	Reinforcement for R.C.C. work including straightening,C10cutting, bending, placing in position and binding all complete.			
a	Thermo-Mechanically Treated bars TMTC-500-8mm dia	kg	105.00	70.60
13	Centring and shuttering including strutting,propping etc. and removal of form for.			
a	Foundations, footings, bases of columns etc. for mass concrete.	sqm	7.88	203.00
14	Brick work with bricks of class designation 100A in foundations and plinth in : Cement mortar 1 :4 (1 cement: 4 coarse sand ).	Cum	0.81	5,048.20
15	Neat cement punning	sqm	20.00	38.90
16	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.Semi rigid pipe			
a	32 mm dia	each	5.00	87.70
17	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour.			
a	15 mm nominal bore with 45 cm length	each	5.00	112.20
18	Supply and fixing bright finished brass hangging type floor door stopper with nesssry screws etc complete.	Each	10.00	105.30
19	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	208.30
20	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	111.00
b	150x10 mm	Each	10.00	71.20
21	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	10.00	56.80

	etc. complete 100mm			
22	Providing and fixing PTMT stop cock of approved quality and colour 18.55.1 15 mm nominal bore, 86 mm long, weighing not less than 88 gms each	Each	5.00	116.60
23	Providing and fixing PTMT pillar cock of approved quality and colour .20 mm nominal bore, 89 mm long, weighing not less than 88 gms	each	5.00	151.30
24	Providing and fixing PTMT bib cock of approved quality and colour. 15 mm nominal bore, 122mm long, weighing not less than 99 gms	each	6.00	162.10
27	Unskilled Labour for removing garbage and jungle on garage terrace	Nos	35.00	287.00
28	Carrage of the following material			
a	Sone Sand (45 km from Koelwar)	Cum	2.55	877.70
b	Stone Aggregate ,Gaya manpur	Cum	1.10	1,865.91
c	Bricks (7P+ 1K)	%o	0.40	682.47
d	Difference of Cost of Bricks	%o	0.40	1,463.49
e	Difference of Cost of Cement	tonn	1.26	236.95

**Quoted Rates:for schedule item**

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

**NOTE:-**

Contractors are requested to quote their rates % above / % below / at estimated rate for Schedule Items and Item wise rate for non schedule item as mention in above.

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

Signature of Contractor

Superintending Engineer  
I.G.I.M.S., Patna

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

**BILL OF QUANTITY-09**

**URGENT TENDER NOTICE NO.- Engg. /15/ CW/Tender/2020-21**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	<b>Making Wooden Show-Case in Director Chamber and Principal Chamber in New Medical College at IGIMS, Patna -14.</b>		
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>	<b>Rs. 3,03,096/-</b>		
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>	<b>Rs. 6,100/-</b>		
<b>3</b>	<b>Cost of B.O.Q. (In Rs.) :-</b>	<b>Rs. 750/-</b>		
<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>	<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</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
	CIVIL SCHEDULE			
1	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):			
a	With float glass panes of 5.50 mm thickness	sqm	14.67	1,110.20
2	Providing and fixing 12 mm thick frameless toughened glass door shutter of approved brand and manufacture, including providing and fixing top & bottom pivot & spring type fixing rrange and making necessary holes etc. for fixing required door fittings, all complete as per direction of engineer-in-charge (Door handle, lock and stopper etc.to be paid separately).	sqm	8.76	5,099.10
3	Providing & Fixing decorative high pressure laminated sheet of plain/ wood grain in gloss / matt / suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality			
a	1.5 mm thick	sqm	88.83	759.70
4	Providing and fixing bright finished brass handles with screws etc. complete:			
a	100mm	each	37.00	201.90

5	Providing and fixing special quality bright finished brass cupboard or ward robe locks with four levers of approved quality including necessary screws etc. complete.			
a	50 mm	each	37.00	211.70
6	Providing and fixing sliding arrangement in racks/ cupboards/cabinets shutter by with stainless steel rollers to run inside C or E aluminium channel section (The payment of C or E channel shall be made separately)	each	47.00	14.80
7	Providing and fixing 50 mm bright finished brass cup board or wardrobe knob of approved quality with	each	37.00	56.20
8	Providing M.S. Piano hinges ISI marked IS : 3818 finished with nickel plating and fixing with necessary screws etc., complete			
a	Overall width 50 mm	Rmt.	29.00	170.40
9	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete:			
a	100x10 mm	each	37.00	35.10
	CIVIL NON SCHEDULE ITEM			
11	Providing and fixing 12mm thick Centutary/Green ply of approved brand. For cup-board , ward robe , partition / panelling Etc. All complete as per archiectural drawings and directions of engineer-incharge	sqm	22.50	.....
12	Providing and fixing 19 mm thick Centutary/Green ply of approved brand. For cup-board , ward robe , partition / panelling Etc. All complete as per archiectural drawings and directions of engineer-incharge	sqm	47.70	.....

**Quoted Rates:for schedule item**

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

**NOTE:-**

Contractors are requested to quote their rates % above / % below / at estimated rate for Schedule Items and Item wise rate for non schedule item as mention in above.

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

Signature of Contractor

Superintending Engineer  
I.G.I.M.S., Patna

