

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

**BILL OF QUANTITY-01**

**SHORT NOTICE INVITING TENDER NO.- 10 /IGIMS/ Engg Cell/CW/Tender/2023-24**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	<b>Supply and Fixing of Sign Board for New Medical college, ward Block and Polyclinic Building Lift Lobby at IGIMS, Patna-14</b>			
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>	<b>Rs. 7,00,725/-</b>			
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>	<b>Rs. 14,000/-</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>BSR-2022</b>	<b>Item Description</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
		<b>Non Scheduled Item</b>			
1	NSI	Providing and fixing Sign board engraved on stainless steel plate with color coated, of required size fixed on wall with all accessories as required and as Directed by Enginner incharge.	sq.inch	63,876.51	.....

**Quoted Rates:for schedule item**

- a- í í í í í í % above
- b- í í í í í í % below
- c- í í í í 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 :í í í í í í í í í í í í í í í í ..
- 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**

**SHORT NOTICE INVITING TENDER NO.- 10 /IGIMS/ Engg Cell/CW/Tender/2023-24**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	<b>Miscellaneous work in Hospital Area (Endoscopy, M S cell, Anesthesia, Physiology, waiting area OT New Medical College student section) at IGIMS, Patna-14</b>			
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>	<b>Rs. 5,70,699/-</b>			
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>	<b>Rs. 11,400/-</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>BSR-2022</b>	<b>Item Description</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
1	15.23	Dismantling tile work in floors and roofs laid in cement mortarb including stacking material within 50 metres lead.			
a	15.23.1	For thickness of tiles 10 mm to 25 mm	sqm	7.99	30.7
2	11.41.2	Providing and laying <b>vittrified loor tiles</b> 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			
a		Tile 600x600 mm.	sqm	15.5	1638.8
3	11.72	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	7.89	283.3
4	4.1	Providing and laying in position cement concrete of specified grade exluding the cost of centring and shuttering-all work upto plinth level.			
a	4.1.4	1:2:4(1 Cement: 2 coarse sand:4 graded stone aggregate 20 mm nominal size)	cum	3.00	3879.4
5	14.1	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	14.1.2	With cement mortar 1:4	Sqm	100.00	237.20
6	13.80.	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. Complete	Sqm	335.00	9.70

7	13.77.3	Distempering with oil bound washable Distemper of approved brand and manufacture to give an even shade .Old work (one or more coats)	Sqm	335.00	33.20
8	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm.	335.00	38.70
9	13.80.A.1	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.	200.00	81.10
10	13.93.2	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:One or more coats on old work	Sqm.	112.00	54.30
11	9.21	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type,core of block board construction with frame of 1 st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:			
a	9.21.2	30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	Sqm.	3.78	1,641.50
12	9.1	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 ( hold fast lugs or dash fastener shall be paid for separately).			
a	9.1.2	<b>Sal wood</b>	cum	0.06	95,670.70
13	9.11	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. Complete			
a	9.114.2	Double strip (horizontal type)	each	70.00	34.10
14	11.37	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	2.70	686.80
15	17.7	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	17.7.2	White Vitreous china wash basin minimum size 630 mm x 400 mm single 15mm CP brass pillar tap	Each	6.00	2,369.90
16	17.28.1.1	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.Semi rigid pipe 32 mm dia	Each	51.00	91.00
17	18.74	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour.			
a	18.74.2	15 mm nominal bore with 45 cm length	Each	6.00	108.00
18	18.50	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.			
a	18.50.1	15 mm nominal bore	Each	15.00	715.10

19	18.52.1	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.	each	10.00	594.80
20	18.55	Providing and fixing PTMT stop cock of approved quality and colour			
a	18.55.2	20 mm nominal bore, 89 mm long, weighing not less than 88gms	Each	7.00	113.80
21	18.58	Providing and fixing PTMT grating of approved quality and colour.			
a	18.58.1.2	125 mm nominal dia with 25 mm waste hole	Each	17.00	45.20
22	12.78	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	12.78.1	75 mm diameter	meter	136.77	162.70
b	12.78.2	110 mm diameter	metre	15.00	257.50
23	12.79	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	12.79.3	Single tee with door			
i	12.79.3.1	75x75x75mm	Each	10.00	141.20
b	12.79.1	Coupler			
i	12.79.1.1	75 mm	Each	10.00	79.80
c	12.79.5	Band 87.5			
i	12.79.5.1	75mm	Each	20.00	91.80
d	12.79.6	Shoe plain			
i	12.79.6.1	75mm Shoe	Each	5.00	81.10
24	18.8	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	18.8.3	25 mm nominal outer dia Pipes	metre	20.00	463.10
b	18.8.4	32 mm nominal outer dia Pipes	metre	15.00	549.80
25	17.18	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.			
a	17.18.1	10 litre capacity - White	each	3.00	905.50
26		Providing and fixing PTMT pillar cock of approved quality and colour			
a	18.56.2	15 mm nominal bore, 125 mm long foam flow, weighing not less than 120 gms	each	40.00	194.20
27	18.17	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :			
a	18.17.1	25 mm nominal bore	each	3.00	532.30

28	9.127	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	9.127.2	1.0 mm thick	Sqm	60.00	669.00
29	9.96.1	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: 300 x 16 mm	Each	24.00	235.50
30	Approved	Providing and fixing vertical blind with rolling track etc all completed	Sqft.	35.00	235.73
31	9.83	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.	Each	37.00	979.5
32	21.3	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	21.3.2	With float glass panes of 5.50 mm thickness(weight not less than 12.50 kg/sqm)	sqm	35.11	1115.1
33	9.82	Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc.	Each	80.00	108.1
34	14.28	Providing and fixing brass curtain rods of wall thickness 1.25 mm with two brass brackets fixed with brass screws and wooden plugs etc. wherever necessary complete			
a	14.28.2	25 mm diameter. metre	meter	22.00	351.7
35	21.1	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) :			
a	21.1.1.1	Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kg	200.00	386.1
36	9.115	Providing and fixing powder coated telescopic drawer channels 300 mm long with necessary screws etc. complete as per directions of Engineer-incharge	Each	15.00	355
37		<u>Extra cost for carriage of Material</u>			
a		Sone Sand (45 km from Koelwar)	Cum	10.48	1,132.90
b		Stone Aggregate ,(110 Km From Gaya Manpur)	Cum	2.67	2,464.45
c		Bricks (7P+ 1K)	%o	3.90	840.43
d		Difference of Cost of Bricks	%o	3.90	1,420.51
e		Difference of Cost of Cement	tonn	2.82	234.62
<b>CIVIL NON-SCHEDULED ITEMS</b>					



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

**BILL OF QUANTITY-03**

**SHORT NOTICE INVITING TENDER NO.- 10 /IGIMS/ Engg Cell/CW/Tender/2023-24**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	<b>Provision of wash basin, Curtain Road with Repair of bathroom fittings in sister changing Room in ward Block all Floor and shoes Rack in CTVS, ACCU and PICU-01 &amp; 02 in ward Block and Diagnostic Block at IGIMS, Patna-14</b>			
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>	<b>Rs. 4,61,837/-</b>			
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>	<b>Rs. 9,200/-</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>BSR-2022</b>	<b>Item Description</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
		<b><u>CIVIL SCHEDULE</u></b>			
1	14.1	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	14.1.2	With cement mortar 1:4	Sqm	75.00	237.20
2	13.80.	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. Complete	Sqm	575.00	9.70
3	13.77.3	Distemping with oil bound washable Distemper of approved brand and manufacture to give an even shade .Old work (one or more coats)	sqm	575.00	33.20
4	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm.	575.00	38.70
5	13.80.A.1	Providing and applying white cement based putty of erage thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete	Sqm.	143.75	81.10
6	13.93.2	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:One or more coats on old work	Sqm.	54.28	54.30
7	17.7	Providing and fixing wash basin with C.I. brakets, 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	17.7.2	White Vitreous china wash basin minimum size 630 mm x 400 mm single 15mm CP brass pillar tap	Each	7.00	2,369.90
8	17.28.1.1	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.Semi rigid pipe 32 mm dia	Each	12.00	91.00
9	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :	each	6.00	434.20

10	18.52.1	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.	each	16.00	594.80
11	9.101	Providing and fixing aluminium hanging floor door stopper, ISI marked, 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.			
a	9.101.2	Twin rubber stopper	each	21.00	60.80
12	18.54	Providing and fixing PTMT bib cock of approved quality and colour			
a	18.54.4	15mm nominal bore, 90 mm long, weighing not less than 93 gms	Each	22.00	170.00
13	12.78	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	12.78.1	75 mm diameter	meter	56.00	162.70
b	12.78.2	110 mm diameter	metre	15.00	257.50
14	12.79	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	12.79.4	Single tee without door			
i	12.79.4.1	75x75x75mm	each	7.00	124.20
ii	12.79.4.2	110x110x110 mm	each	4.00	190.70
d	12.79.5	Band 87.5			
i	12.79.5.1	75 mm bend	each	22.00	91.80
ii	12.79.5.2	110mm	each	5.00	132.00
15	12.8	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	12.80.1	75 mm	Each	25.00	184.10
16	18.74	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour.			
a	18.74.2	15 mm nominal bore with 45 cm length	Each	17.00	108.00
17	14.81	Cutting holes of required size in brick masonry wall for fixing of exhaust fan including providing and fixing 300 mm dia PVC pipe conforming BIS-12818 and making good the same etc. complete as per direction of Engineer-in-charge.	Each	15.00	136.40
18	18.8	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	18.8.2	20 mm nominal outer dia Pipes	metre	26.00	350.80
19	17.18	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.			
a	17.18.1	10 litre capacity - White	Each	9.00	905.50
20	17.2	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	17.2.1	W.C. pan with ISI marked white solid plastic seat and lid	Each	2.00	4,230.00
21	18.46	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	18.46.2	20 mm nominal bore	Each	5.00	185.60
22	9.47	Providing and fixing nickel plated M.S. pipe curtain rods with nickel plated brackets:			
a	9.47.2	25 mm dia (heavy type)	metre	38.55	159.30
23	9.83	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.	Each	5.00	979.50
24	18.17	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :			
a	18.17.1A	20 mm nominal bore.	Each	3.00	465.40
25	18.50	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.			
a	18.50.1	15 mm nominal bore	each	1.00	715.10
26	9.127	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	9.127.2	1.0 mm thick	Sqm	123.00	669.00
27	9.79	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	9.79.2	50 mm	each	2.00	222.00
28	9.114	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete .			
a	9.114.1	Triple strip vertical type	each	15.00	44.80
29	9.74	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete			
a	9.74.4	100x10mm	each	15.00	155.30
30	9.92	Providing and fixing chromium plated brass handles with necessary screws etc. complete:			
a	9.92.2	100 mm	each	15.00	196.20
31	9.115	Providing and fixing powder coated telescopic drawer channels 300 mm long with necessary screws etc. complete as per directions of Engineer-in-charge.	each	8.00	355.00
32	14.40	Providing and fixing chromium plated brass butt hinges with necessary chromium plated brass screws etc. complete.			
a	14.40.1	125x70x4 mm (ordinary type)	each	28.00	160.70

33	18.58	Providing and fixing PTMT grating of approved quality and colour			
a	18.58.1.2	125 mm nominal dia with 25 mm waste hole	each	5.00	45.20
34	9.126	Providing and fixing 12 mm thick panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick.			
a	9.126.1	Marine plywood conforming to IS : 710	sqm	0.40	1,646.70
		<b><u>CIVIL NON SCHEDULE ITEM</u></b>			
35	NSI	Providing and fixing 19mm thick Centenary/Green ply of approved brand. For cup-board, ward robe, partition / panelling Etc. All complete as per architectural drawings and directions of engineer-in-charge	sqm	64.41	.....
36	NSI	Providing and Fixing Bib Cock with wall flange all complete. Jaguar Model CON-047KN or equivalent.	Each	5.00	.....
37	NSI	Providing and Fixing Jet spray with 1 meter PVC Tube (Stainless steel) all complete. ESSCO Model ALE-547 or equivalent.	Each	1.00	.....
38	NSI	Providing and Fixing Two way angle Cock with flange all Complete. PRAYAG Model no-PIS-11 H or equivalent.	Each	2.00	.....
39	NSI	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	3.00	.....
40	NSI	Providing and Fixing Pillar Cock Auto Closing System with 65 mm extension body all Complete. Jaguar Model PRS-031L65 or equivalent.	Each	8.00	.....

**Quoted Rates:for schedule item**

- a- í í í í í í % above  
b- í í í í í í % below  
c- í í í í 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 :í í í í í í í í í í í í í í ..  
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**

**SHORT NOTICE INVITING TENDER NO.- 10 /IGIMS/ Engg Cell/CW/Tender/2023-24**

<b>Sl. No.</b>	<b>Name of the Work :-</b>		<b>Extension of G.I sheet Shade for Storage of Organic General Waste Near Herbal Garden at IGIMS, Patna-14</b>		
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>		<b>Rs. 4,12,892/-</b>		
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>		<b>Rs. 8,300/-</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>BSR-2022</b>	<b>Item Description</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
		<b><u>CIVIL SCHEDULE</u></b>			
1	2.8.1	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	2.00	360.70
2	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete	cum	7.00	287.30
3	11.72	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	43.00	283.30
4	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering-all work upto plinth level.			
a	4.1.3	1:2:4(1 Cement: 2 coarse sand:4 graded stone aggregate 20 mm nominal size)	cum	3.50	3,998.10
5	5.1	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of tring,shuttering,finishing and reinforcement-All work puto plinth level			
a	5.1.2	1:1:5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate 20 mm nominal size)c	cum	2.50	4,688.30
6	5.22	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.			
a	5.22.7A	Thermo-Mechanically Treated bars TMTC-500-8mm dia	kg	25.00	94.50
b	5.22.7B	Thermo-Mechanically Treated bars TMTC-500-10mm dia.	kg	90.00	92.60
7	5.9	Centring and shuttering including strutting,propping etc. and removal of form for.			
a	5.9.1	Foundations, footings, bases of columns etc. for mass concrete.	sqm	14.50	211.60

8	6.1C	Brick work with fly ash bricks as per IS 12894(2002) & IS 3495 in foundations and plinth in :			
a	6.1.14C	Cement mortar 1:6 (1 cement: 6 coarse sand )	Cum	2.00	4,923.00
9	13.12.2	15 mm cement plaster on rough side of single or half brick wall of mix 1:4(1 cement: 4 coarse sand )	Sqm.	25.00	176.40
10	10.16.1	Steel work in built up tubular trusses including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, welded and bolted including special shaped washers etc. complete:Hot finished welded type tubes	kg	1,023.45	123.90
11	12.50	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	sqm	58.50	625.10
12	13.93.1	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:Two or more coats on new work	Sqm.	55.00	84.50
13	12.51	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15- 18 microns using self drilling/ self tapping screws complete :			
a	12.51.2	Flashings/ Aprons.( Upto 600 mm)	meter	11.20	377.90
14	11.77	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.	sqm.	128.00	721.10
15	11.26	Kota stone slab flooring over 20 mm (average ) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete . Base with 1:1:1 (limestone : 1 surkhi: 1 coarse sand ) / 1:4 (1 cement: 4 coarse sand )			
a	11.26.1	20 to 25 mm thick -	sqm	43.26	1,252.70
16		<b><u>Extra cost for carriage of Material</u></b>			
a		Local Sand / Earth soil (3 Km)	Cum	8.00	310.47
b		Sone Sand (45 km from Koelwar)	Cum	4.50	1,132.90
c		Stone Aggregate ,(156 Km From Domchch, Koderma	Cum	5.37	2,464.45
d		Bricks (7P+ 1K)	%o	1.58	840.43
e		Difference of Cost of Bricks	%o	1.45	1,420.51
f		Difference of Cost of Cement	tonn	5.50	234.62

**Quoted Rates:for schedule item**

- a- í í í í í í % above
- b- í í í í í í % below
- c- í í í í 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 :í í í í í í í í í í í í í í í í ..
- 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**

**SHORT NOTICE INVITING TENDER NO.- 10 /IGIMS/ Engg Cell/CW/Tender/2023-24**

<b>Sl. No.</b>	<b>Name of the Work :-</b>		<b>Development For Green Area North side of ward Block at IGIMS, Patna-14</b>		
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>		<b>Rs. 3,95,360/-</b>		
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>		<b>Rs. 7,900/-</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>BSR-2022</b>	<b>Item Description</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
1	2.32	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 aboveground level and removal of rubbish upto a distance of 50 m outside theperiphery of the area cleared.	sqm	4,820.00	6.97
2	2.29	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			
a	2.29.1	All kinds of soil.	Sqm.	4,820.00	13.55
3	15.7	Demolishing brick work including stacking of serviceable material and disposal of unserviceable material within 50 meters lead:			
a	15.7.4	In cement mortar	cum	99.75	823.70
4	15.3	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material withing 50 metres lead	cum	3.09	1,411.20
5	23.21	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	479.33	292.20
6	2602A	10% Recovery Designation 100 A Brick messionary urban patna	thousand	4.93	-6,075.00
7		<b><u>Extra cost for carriage of Material</u></b>			
a		Extra cost for carriage of extra earth	cum	479.33	208.17



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

**BILL OF QUANTITY-06**

**SHORT NOTICE INVITING TENDER NO.- 10 /IGIMS/ Engg Cell/CW/Tender/2023-24**

<b>Sl. No.</b>	<b>Name of the Work :-</b>		<b>Provision of window shade and S.S Table for Nels Skill lab at 4<sup>th</sup> Floor of Polyclinic Building at IGIMS, Patna-14</b>		
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>		<b>Rs. 2,79,608/-</b>		
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>		<b>Rs. 5,600/-</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>BSR-2022</b>	<b>Item Description</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
		<b>CIVIL SCHEDULE</b>			
1	15.3	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material withing 50 metres lead:			
a	15.3.1	In cement mortar	cum	1.08	1,411.20
2	5.1	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of tring,shuttering,finishing and reinforcement-All work puto plinth level			
a	5.1.2	1:1:5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate 20 mm nominal size)c	cum	1.00	4,688.50
3	5.22	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.			
a	5.22.7A	Thermo-Mechanically Treated bars TMTC-500-8mm dia	kg	25.00	94.50
b	5.22.7B	Thermo-Mechanically Treated bars TMTC-500-10mm dia.	kg	110.00	92.60
4	5.9	Centring and shuttering including strutting,propping etc. and removal of form for.		-	
a	5.9.1	Foundations, footings, bases of columns etc. for mass concrete.	sqm	12.96	211.60
5	10.16.1	Steel work in built up tubular trusses including cutting, hoisting, fixing in position and applying a priming coar of approved steel primer, welded and bolted including special shaped washers etc. complete:Hot finished welded type tubes	kg	977.69	123.90
6	12.50	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 per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as	sqm	72.00	625.10

		desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) withEPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.			
7	13.93.1	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:Two or more coats on new work	Sqm.	78.83	84.50
8	10.36	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 ngineer-in-charge, ( for payment purpose only weight of stainless stel members shall be considered excluding fixing accessories such as nuts, bolts,fasteners etc.).	kg.	156.00	546.80

**Quoted Rates:for schedule item**

- a- í í í í í í % above
- b- í í í í í í % below
- c- í í í í 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 :í í í í í í í í í í í í í í í í ..
- 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**

**SHORT NOTICE INVITING TENDER NO.- 10 /IGIMS/ Engg Cell/CW/Tender/2023-24**

<b>Sl. No.</b>	<b>Name of the Work :-</b>		<b>Provision of water Tank on Terrace Floor North side of ward Block at IGIMS, Patna-14</b>		
1	<b>Estimated Cost (In Rs.) :-</b>		<b>Rs. 2,59,587/-</b>		
2	<b>Earnest Money (In Rs.) :-</b>		<b>Rs. 5,200/-</b>		
3	<b>Cost of B.O.Q. (In Rs.) :-</b>		<b>Rs. 750/-</b>		
4	<b>Time of completion :- ( In Days)</b>		<b>15 Days</b>		
5	<b>Date, time &amp; place for submission of Complete tender-</b>		<b>As Per NIT</b>		
6	<b>Date and time for opening of tender-(Technical Bid)-</b>		<b>As Per NIT</b>		
7	<b>Date &amp; Time for opening of Price Bid of Technically Suitable bidders.</b>		<b>As Per NIT</b>		
<b>Sl. No.</b>	<b>BSR-2022</b>	<b>Item Description</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
1	18.48	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank	per. Ltr.	12,000.00	9.70
2	18.9	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 with one step CPVC solvent cement, trenching, refilling & testing of joints complete as direction of engineer in charge. (External work)			
b	18.9.5	40 mm nominal outer dia Pipe	metre	28.80	477.60
	18.9.6	50 mm nominal outer dia Pipes	metre	79.70	730.30
3	18.46	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	18.46.5	40 mm nominal bore	each	10.00	419.70
b	18.46.6	50 mm nominal bore	each	12.00	565.60
c	18.46.8	80 mm nominal bore	each	2.00	920.20
4	18.19	Providing and fixing gun metal non- return valve of approved quality (screwed end)			
a	18.19.4	50 mm nominal bore			
b	18.19.4.2	Vertical	each	2.00	1,320.80
5	18.17	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end)			
a	18.17.4	50 mm nominal bore	each	4.00	878.20
6	18.18	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete			

a	18.18.3	25 mm nominal bore	each	2.00	399.20
7	11.73	Providing designation 100 A one brick on edge soling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/L./	sqm	14.64	444.80
5	6.1.12/1	Brick work with bricks of class designation 100A in foundations and plinth in : Cement mortar 1 :4 (1 cement: 4 coarse sand ).	cum	2.55	5,017.90
8	13.12	15 mm cement plaster on rough side of single or half brick wall of mix.			
a	13.12.2	1:4(1 cement: 4 coarse sand )	sqm	36.30	176.40
9	4.1	Providing and laying in position cement concrete of specified grade exluding the cost of centring and shuttering-all work upto plinth level.			
a	4.1.3	1:2:4(1 Cement: 2 coarse sand:4 graded stone aggregate 20 mm nominal size)	cum	1.09	3,998.10
10	13.26	Neat cement punning	sqm.	26.55	40.50
	18.10	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc			
	18.10.6	50 mm dia nominal bore	metre	15.00	727.10
11		<b><u>Extra cost for carriage of Material</u></b>			
a		Local Sand	Cum	0.39	310.47
b		Sone Sand (45 km from Koelwar)	Cum	1.83	1,132.90
c		Stone Aggregate ,(110 Km From Gaya Manpur)	Cum	0.97	2,464.45
d		Bricks (7P+ 1K)	%o	2.05	840.43
e		Difference of Cost of Bricks	%o	2.05	1,420.51
f		Difference of Cost of Cement	tonn	0.80	234.62

**Quoted Rates:for schedule item**

- a- í í í í í í % above  
b- í í í í í í % below  
c- í í í í 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 :í í í í í í í í í í í í í í ..  
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**

**SHORT NOTICE INVITING TENDER NO.- 10 /IGIMS/ Engg Cell/CW/Tender/2023-24**

<b>Sl. No.</b>	<b>Name of the Work :-</b>		<b>Miscellaneous Work of Hospital and Residential Area and other Extra work at IGIMS, Patna-14</b>		
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>		<b>Rs. 2,37,701/-</b>		
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>		<b>Rs. 4,800/-</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>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>BSR-2022</b>	<b>Item Description</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
		<b><u>CIVIL SCHEDULE</u></b>			
1	15.56	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	10.00	21.70
2	15.23	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.			
a	15.23.1	For thickness of tiles 10 mm to 25 mm	sqm	24.00	30.70
3	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering-all work upto plinth level.			
a	4.1.3	1:2:4(1 Cement: 2 coarse sand:4 graded stone aggregate 20 mm nominal size)	cum	1.20	3,998.10
4	14.1	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	14.1.2	With cement mortar 1:4	Sqm	75.00	237.20
5	13.80.	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. Complete	Sqm	379.39	9.70
6	13.77.3	Distemping with oil bound washa ble Distemper of approved brand and manufacture to give an even shade .Old work (one or more coats)	sqm	379.39	33.20
7	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm.	379.39	38.70
8	13.80.A.1	Providing and applying white cement based putty of erage thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete	Sqm.	75.88	81.10
9	11.37	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	sqm	24.00	686.80

		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.			
10	18.49	Providing and fixing PTMT bib cock of approved quality and colour.			
a	18.54.4	15mm nominal bore, 90 mm long, weighing not less than 93 gms	each	5.00	170.00
11	18.55	Providing and fixing PTMT stop cock of approved quality and colour.			
a	18.55.2	20 mm nominal bore, 89 mm long, weighing not less than 88 gms	each	5.00	113.80
12	17.2	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	17.2.1	W.C. pan with ISI marked white solid plastic seat and lid	Each	6.00	4,230.00
13	17.3	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I.brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :			
a	17.3.1	W.C. pan with ISI marked white solid plastic seat and lid	each	1.00	5,504.30
14	17.7	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	17.7.2	White Vitreous china wash basin minimum size 630 mm x 400 mm single 15mm CP brass pillar tap	Each	3.00	2,369.90
15	12.78	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	12.78.2	110 mm diameter	mtr	20.00	257.50
16	12.79	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	12.79.4	Single tee without door			
i	12.79.4.2	110x110x110 mm	each	4.00	190.70
b	12.79.3	Single tee with door			
i	12.79.3.2	110x110x110mm	each	4.00	193.40
c	12.79.5	Band 87.5			
i	12.79.5.2	110mm	each	5.00	132.00
17	12.5	Providing and fixing pre-coated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer non both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25	sqm	56.00	625.10

		microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.			
18	2.3	Banking excavated earth in layers not exceeding 20 cm in depth, breaking clods, watering .rolling each layer with 1/2 tonne roller, or wooden or steel rammers, and rolling every 3rd and top-most layer with power roller of minimum 8 tonnes and dressing up ; in embankments for roads, flood banks, marginal banks, and guide banks etc . lead upto 50 m and lift upto 1.5 m.			
a	2.3.1	All Kinds of soil	cum	153.50	224.00
		<b><u>CIVIL NON-SCHEDULED ITEMS</u></b>			
19	NSI Vide Cat. Page-166	Providing and Fixing Pillar Cock Auto Closing System with 65 mm extension body all Complete. Jaguar Model PRS-031L65 or equivalent.	Each	2.00	.....
20	NSI	Providing and fixing vertical blind with rolling track etc all completed	Sqft.	165.00	.....

**Quoted Rates:for schedule item**

- a- í í í í í í % above  
b- í í í í í í % below  
c- í í í í 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 :í í í í í í í í í í í í í í ..  
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**

**SHORT NOTICE INVITING TENDER NO.- 10 /IGIMS/ Engg Cell/CW/Tender/2023-24**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	<b>Making Wooden wall Mounted rack, Seating Bench in CCM and Making AC Trap Door in Different Location of Hospital Area at IGIMS, Patna-14</b>
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>	<b>Rs. 2,19,180/-</b>
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>	<b>Rs. 4,400/-</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>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>BSR-2022</b>	<b>Item Description</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
		<b>CIVIL SCHEDULE</b>			
1	21.1.1.1	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	180.19	386.10
2	9.96.2	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	15.00	210.10
3	9.97	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	9.97.1	300x10 mm	Each	15.00	111.40
b	9.97.4	150x10 mm	Each	15.00	71.60
4	9.100.2	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 100mm	Each	15.00	50.30
5	9.127	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	9.127.2	1.0 mm thick	Sqm	58.00	669.00
6	9.81	Providing and fixing bright finished brass handles with screws etc. complete:			
a	9.81.1	125mm	each	20.00	202.10
7	9.79	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	9.79.2	50 mm	each	19.00	222.00
8	9.116	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	20.00	17.70
9	9.80	Providing and fixing 50 mm bright finished brass cup board or wardrobe knob of approved quality with	each	20.00	56.70
10	9.61	Providing M.S. Piano hinges ISI marked IS : 3818 finished with nickel plating and fixing with necessary screws etc., complete			
a	9.61.2	Overall width 50 mm	Rmt.	7.20	177.50
11	9.114	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete .			
a	9.114.1	Triple strip vertical type	each	20.00	44.80
12	26.90	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid plain white color board for backing of cup boards and bathroom/kitchen cabinets etc. of required size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm, modulus of elasticity 850 N/mm and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixing with stainless steel screws etc. all as per direction of Engineer-In- Charge. (Note: stainless steel screws shall be paid separately)			
a	26.90.1	6 mm thick	sqm.	32.48	892.90
		<b>CIVIL NON-SCHEDULED ITEMS</b>			
13	NSI	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	7.50	.....
14	NSI	Providing and fixing 19mm 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	21.53	.....



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

**BILL OF QUANTITY-10**

**SHORT NOTICE INVITING TENDER NO.- 10 /IGIMS/ Engg Cell/CW/Tender/2023-24**

<b>Sl. No.</b>	<b>Name of the Work :-</b>		<b>Repair and painting work of Old D-3/6, New E-3/4 and New D-4/1 at IGIMS, Patna-14.</b>		
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>		<b>Rs. 2,73,505/-</b>		
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>		<b>Rs. 5,500/-</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>BSR-2022</b>	<b>Item Description</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
		CIVIL SCHEDULE			
1	15.23	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.			
a	15.23.1	For thickness of tiles 10 mm to 25 mm	sqm	38.88	30.70
2	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering-all work upto plinth level.			
a	4.1.3	1:2:4(1 Cement: 2 coarse sand:4 graded stone aggregate 20 mm nominal size)	cum	5.06	3998.10
3	9.82	Providing and fixing aluminium hanging floor door stopper ISI marked 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.	each	60.00	108.10
4	11.72	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.	26.91	283.30
5	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete	Cum	3.36	287.30
6	14.1	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	14.1.2	With cement mortar 1:4	Sqm	30.00	237.20
7	13.80.	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. Complete	Sqm	249.48	9.70

8	13.77.2	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	249.48	102.30
9	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm.	249.48	38.70
10	13.80.A.2	Providing and applying white cement based putty of average thickness 2 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete	Sqm.	174.24	105.40
11	9.63	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete:			
a	9.63.4	100x10 mm	each	25.00	35.40
12	21.3	Providing and fixing glazing in aluminium door, window,Ventilator shutter and partition etc.with EPDM rubber/neoprene gasket etc. Complete as per the architectural drawings and the direction of engineering-in-charge.(cost of aluminium snap beading shall be paid in basic item.)			
a	21.3.2	Float glass panes.5.5 mm thick glass pane.	sqm	8.24	1115.10
13	13.93.1	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:Two or more coats on new work	Sqm.	30.16	84.50
		WATER SUPPLY & SANITATION			
14	17.28.1.1	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.Semi rigid pipe 32 mm dia	Each	30.00	91.00
15	12.78	Providing and fixing on wall face unplasticised - PVC (working pressure 4 kg per sqm) rain water pipes conforming to IS:4985 including jointing with seal ring conforming to IS:5382 leaving 10 mm gap for thermal expansion.			
a	12.78.1	75 mm diameter	metre	10.00	162.70
b	12.78.2	110 mm diameter	metre	10.00	257.50
16	12.79	Providing and fixing on wall face unplasticised - PVC molded fitting/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	12.79.1	Coupler			
I	12.79.1.2	110 mm	each	3.00	120.00
b	12.79.3	Single tee with door			
I	12.79.3.2	110 mm	each	2.00	193.40
c	12.79.5	Band 87.5°			
I	12.79.5.1	75mm bend	each	2.00	91.80
II	12.79.5.2	110mm bend	each	2.00	132.00
d	12.79.6	Shoe plain			
I	12.79.6.2	110 mm shoe	each	3.00	115.95
17	18.65	Providing and fixing PTMT soap dish holder having length of 138mm, breadth 102 mm height of 75mm with concealed fitting	Each	10.00	96.80

		arrangements, weighing not less than 106 gms.			
18	18.58	Providing and fixing PTMT grating of approved quality and colour.			
a	18.58.1.2	125mm nominal dia with 25 mm waste hole.	Each	20.00	45.20
19	17.31	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	6.00	1068.50
20	22.22A	Providing and applying fibre reinforced elastomeric liquid water proofing membrane with resilient acrylic polymers having Sun Reflectivity Index (SRI) of 105 on top of concrete roof in three coats @10.76 litre/ 10 sqm. One coat of self-priming of elastomeric waterproofing liquid (dilution with water in the ratio of 3:1) and two coats of undiluted elastomeric waterproofing liquid (dry film thickness of complete application/system not less than 500 microns). The operation shall be carried out after scrapping and properly cleaning the surface to remove loose particles with wire brushes, complete in all respect as per the direction of Engineer-in-Charge.	sqm	30.06	415.90
21	11.36	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 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	36.00	795.00
22	21.1.1.1	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.	46.00	386.10
23	21.30	Providing and fixing glazing in aluminium door, window, Ventilator shutter and partition etc. with EPDM rubber/neoprene gasket etc. Complete as per the architectural drawings and the direction of engineering-in-charge.(cost of alluminium snap beading shall be paid in basic item.)			
a	21.3.2	Float glass panes.5.5 mm thick glass pane.	sqm	8.00	1115.10

24	11.26	Kota stone slab flooring over 20 mm (average ) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete . Base with 1:1:1 (1lime : 1 surkhi: 1 coarse sand ) / 1:4 (1 cement: 4 coarse sand )			
a	11.26.1	20 to 25 mm thick -	sqm	26.91	1252.70
25	12.50	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer non both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	sqm	2.70	625.10
26	10.16.1	Steel work in built up tubular trusses including cutting, hoisting, fixing in position and applying a priming coar of approved steel primer, welded and bolted including special shaped washers etc. complete:Hot finished welded type tubes	kg	70.99	123.90
27	13.13	20 mm cement plaster of mix ;			
28	13.13.2	1: 4(1 cement: 4 coarse sand)	sqm	30.06	209.90
29	18.34	Constructing masonry Chamber 90x90x100 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 nominalsize ) , 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	18.34.1	With common burnt clay F.P.S.(non modular) bricks of class designation 100A	each	2.00	13559.90
30		Extra cost for carriage of Material			
a		Local Sand	Cum	3.76	310.47
b		Sone Sand (45 km from Koelwar)	Cum	4.62	1132.90
c		Stone Aggregate ,(110 Km From Gaya Manpur)	Cum	4.49	2464.45
d		Bricks (7P+ 1K)	%o	0.88	840.43
e		Difference of Cost of Bricks	%o	0.88	1420.51
f		Difference of Cost of Cement	tonn	2.73	234.62
		<b>CIVIL NON-SCHEDULE</b>			

31	NSI	Supplying Labour and Tools for cleaning of filled up and choked manhole chamber and different size sewer line including disposal silt with all necessary arrangement .	cum	70.00	í í í .
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**Quoted Rates:for schedule item**

- a- í í í í í í % above
- b- í í í í í í % below
- c- í í í í 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 :í í í í í í í í í í í í í í í í ..
- 2- Full postal address :-
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- 5- Time of completion :-

Signature of Contractor

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