

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

**BILL OF QUANTITY-01**

**Notice Inviting Tender- 05/IGIMS/ Engg Cell/CW/Tender/2024-25**

<b>Sl. No.</b>	<b>Name of the Work :-</b>		<b>Making Water Cooler Platform Providing and Fixing Curtain Road in New Boys Hostel in New B &amp; C Type Quarter Campus and other Miscellaneous Work in Hospital and Residential Area at IGIMS, Patna-14.</b>		
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>		<b>Rs. 5,15,457/-</b>		
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>		<b>Rs. 10,400/-</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	15.3	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material withing 50 metres lead:	cum	0.41	1,411.20
2	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	0.41	3,998.10
3	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	2.45	4,923.00
4	14.1	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5sqm and under including cutting the patch in proper shape and preparing and plastering the surface of the walls complete including disposal of rubbish to the dumping ground within 50 metres lead.			
a	14.1.2	With cement mortar 1:4(1 cement:4 coarse sand)	sqm	170.00	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	350.00	9.70
6	13.78.2	Applying one coat of cement primer of approved brand and manufacture on wall surfaceDistemper primer	Sqm	350.00	38.70
7	13.77	Distemping with oil bound washa ble Distemper of approved brand and manufacture to give an even shade			
a	13.77.3	Old work (one or more coats)	sqm	350.00	33.20
8	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.	80.00	81.10
9	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

10	11.41.2	Providing and laying vitrified floor tiles in different sizes {thickness to be specified by the manufacturer} with water absorption's less than 0.08 % and conforming to IS : 15622 of approved make in all colours and shades, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand ) including grouting the joint with white cement and matching pigments etc., complete.Size of Tile 60x60 cm	sqm	27.20	1,638.80
11	9.83	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	979.50
12	9.82	Supply and fixing bright finished brass hanging type floor door stopper with necessary screws etc complete	Each	25.00	108.10
13	21.3	Providing and fixing glazing in aluminum 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	7.48	1,115.10
14	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	metre	32.65	162.70
b	12.78.2	110 mm diameter	rmt	67.60	252.60
15	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	12.79.3.2	110 x110 x110 mm dia PVC	each	15.00	193.40
b	12.79.4	Single tee without door			
i	12.79.4.1	75x75x75mm	each	5.00	124.20
ii	12.79.4.2	110x110x110 mm	each	15.00	190.70
c	12.79.5	Band 87.5			
i	12.79.5.1	75 mm bend each	each	11.00	91.80
ii	12.79.5.2	110 mm dia PVC	each	8.00	132.00
16	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
b	12.80.2	110 mm	each	36.00	182.72
17	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 nd 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	31.20	350.80

b	18.8.3	25 mm nominal outer dia Pipes	metre	20.80	463.10
18	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	18.00	45.20
19	18.47	Providing and fixing G.I. Union in existing G.I. pipe line, cutting and threading the pipe and making long screws,including excavation,refilling the earth or cutting of wall and making good the same complete wherever required :			
a	18.47.2	20 mm nominal bore	each	11.00	399.30
b	18.47.3	25 mm nominal bore	each	2.00	479.00
20	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	2.00	532.30
21	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.			
22	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
23	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	10.00	1,068.50
24	17.28	Providing and fixing P.V.C. Waste pipe for Kitchen sink or wash basin including P.V.C. waste fitting complete.			
a	17.28.1	Semi rigid pipe			
i	17.28.1.1	32 mm dia	Each	12.00	91.70
25	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	7.00	108.00
26	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931	Each	9.00	434.20
27	18.16	Providing and fixing brass stop cock of approved quality,			
a	18.16.2	20 mm nominal bore	Each	12.00	328.00
28	18.53A	Providing and fixing C.P. Brass extension nipple (size 15mmx50mm) of approved make and quality as per direction of Engineer-in-charge.	Each	10.00	61.70
27	18.76	Cutting holes up to 30x30 cm in walls including making good the same:			
a	18.76.1	With common burnt clay F.P.S. (non modular) bricks each	Each	31.00	198.50
	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			
	17.18.1	10 litre capacity - White	each	1.00	905.50
29	9.48.1	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	174.00	144.50
30	9.2	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 1st 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	9.20.2	30 mm thick including ISI marked Stainless Steel butt hingeswith necessary screws	sqm	18.08	2,578.00

31	23.21	Excavation in dumped stones or malba including stacking of serviceable 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	33.20	292.20
32	21.1.1.1	Providing and fixing anodised aluminium work for doors, windows, ventilator and partitions with extruded built up standard tubular and other sections of approved make conforming to IS : 733 and IS : 1285, anodised transparent or dyed to required shade according to IS : 1868, (Minimum anodic coating of grade AC 15), fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/paneling, C.P. brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing For fixed portion and panelling to be paid for separately)	kg	24.89	386.10
11		<b><u>Extra cost for carriage of Material</u></b>			
b		Sone Sand (45 km from Koelwar)	Cum	2.650	1,132.90
c		Stone Aggregate ,(110 Km From Gaya Manpur)	Cum	0.370	2,464.45
d		Bricks (7P+ 1K)	%o	2.000	840.43
f		Difference of Cost of Cement	tonn	1.100	234.62
		Total Scheduled Item (A)			
11		<b><u>Non Scheduled Item</u></b>			
33	NSI	Providing and fixing Aluminium curtain rods 25 mm dia & 1.25 mm thick With Longitudinally ribbed with two M.S.plated brackets per meter fixed with C.P. brass screws etc., wherever necessary complete.	metre	344.00	í í í í í ..
34	NSI	Providing and Fixing shower with arm all complete. Arm size 300mm long 6" overhead shower. Make-Prayag cat no-BS-79S or equivalent.	Each	1.00	í í í í í ..

**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**

**Notice Inviting Tender- 05/IGIMS/ Engg Cell/CW/Tender/2024-25**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	<b>Repair, Painting and PHED Work in Dialysis, KTU, C-Type Quarter, New E-Type D-Type at IGIMS, Patna-14</b>
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>	<b>Rs. 2,94,325/-</b>
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>	<b>Rs. 5900/-</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	13.80.	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. Complete	Sqm	1,394.21	9.70
2	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	125.00	237.20
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	1,394.21	33.20
4	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm.	1,394.21	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.	500.00	81.10
6	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 metre	metre	40.85	162.70
b	12.78.2	110 mm diameter	metre	2.00	257.50
7	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.			
b	12.79.3	Single tee with door			
i	12.79.3.2	110x110x110mm	each	3.00	193.40
d	12.79.5	Band 87.5			
i	12.79.5.2	110mm	each	1.00	132.00
ii	12.79.5.1	75mm	each	15.00	91.80

8	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	12.80.2	110 mm	Each	11.00	182.72
9	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 nd 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	m	22.00	350.80
b	18.8.3	25 mm nominal outer dia Pipes	m	30.10	463.10
10	18.9	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	18.9.6	50 mm nominal outer dia Pipes	m	22.10	730.30
11	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	9.00	136.40
12	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		185.60
b	18.46.3	25 mm nominal bore	Each	4.00	265.90
13	18.17	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :			
a	18.17.1A	25mm nominal bore	each	3.00	465.40
b	18.17.4	50 mm nominal bore	each	3.00	878.20
14		Providing and fixing PTMT Ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P./ H.P.H.D. plastic ball			
a	18.62.3	25 mm nominal bore, 152mm long, weighing not less than 440 gms	Each	2.00	459.40
b	18.62.5	50 mm nominal bore, 242mm long, weighing not less than 1240 gms	Each	1.00	1,188.60
15	18.47	Providing and fixing G.I. Union in existing G.I. pipe line, cutting and threading the pipe and making long screws, including excavation,refilling the earth or cutting of wall and making good the same complete wherever required :			
a	18.47.3	25 mm nominal bore	each	2.00	479.60
b	18.47.6	50 mm nominal bore	each	2.00	857.00
16	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.	1,000.00	9.70
17	17.1	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 andlevel 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 :			
a	17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	each	1.00	4,470.90
18	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	3.00	111.40
19	9.100.1	Providing and fixing alluminium handles anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with necessary screws etc. complete100mm	Each		57.10
20	9.96	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. complete			
a	9.96.1	300x16 mm	Each	2.00	235.50
21	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	4.00	91.00
22	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	4.00	108.00
		<b><u>CIVIL NON SHEDULE ITEM</u></b>			
23	NSI	Providing and fixing 6mm 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	2.61	₹ ₹ ₹ ₹ ₹
24	NSI	Providing and Fixing Two way angle Cock with flange all Complete. PRAYAG Model no-PIS-11 H or equivalent.	Each	1.00	₹ ₹ ₹ ₹ ₹
25	NSI	Providing and Fixing shower with arm all complete. Arm size 300mm long 6" overhead shower.Make-Prayag cat no-BS-79S or equivalent.	Each	1.00	₹ ₹ ₹ ₹ ₹
26	NSI	Providing and Fixing Bib Cock with wall flange all complete. Jaguar Model CON-047KN or equivalent.	Each	7.00	₹ ₹ ₹ ₹ ₹
27	NSI	Providing and Fixing Pillar Cock Auto Closing System with 65 mm extension body all Complete. Jaguar Model PRS-031L65 or equivalent.	Each	2.00	₹ ₹ ₹ ₹ ₹
28	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	1.00	₹ ₹ ₹ ₹ ₹



**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 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-03**

**Notice Inviting Tender- 05/IGIMS/ Engg Cell/CW/Tender/2024-25**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	<b>Passage Covered with G.I Sheet of central Drug Store and Provision of Ironic Chequered Sheet on the expansion Joint in Different Location of Hospital Area at IGIMS, Patna-14</b>
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>	<b>Rs. 2,03,208/-</b>
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>	<b>Rs. 4,100/-</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>
1	15.23.1	Dismantling tile work floor and roofs laid in cement mortar including stacking material within 50 metres lead.	Sqm	12.40	30.70
2	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.	15.00	81.10
3	13.80.	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. Complete	Sqm	56.92	9.70
4	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	56.92	33.20
5	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm.	56.92	38.70
6	15.3	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material withing 50 metres lead:	Cum	0.62	1411.20
7	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	0.62	3998.10
8	9.48.1	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	901.52	144.50
9	13.93.1	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:One or more coats on new work	Sqm	74.90	84.50
10	18.90	Providing and fixing chlorinated polyvinyl chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fitting this includes jointing of pipes & fitting whith one step CPVC solvent cement, trenching, refilling & testing of joints complete as direction of engineer in charge. (External work)			
a	18.9.3	25 mm nominal outer dia pipes	metre	7.00	294.70

11	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	18.46.3	25 mm nominal bore	each	6.00	265.90
12	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 (3 no. of floor)	Each	1.00	399.20
13	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	1.00	905.50
14	12.50	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 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 55mm) 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.	54.00	625.10
15	12.51.	Providing and fixing pre-coated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, 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 using self drilling/ self tapping screws complete			
a	12.51.6	Gutter (600 mm over all girth)	mtr.	6.00	898.70
		<b><u>CIVIL NON SCHEDULE ITEM</u></b>			
14	NSI	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	1.68	1111.11

**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-04**

**Notice Inviting Tender- 05/IGIMS/ Engg Cell/CW/Tender/2024-25**

<b>Sl. No.</b>	<b>Name of the Work :-</b>		<b>Renewing of False Ceiling in Pathology and Biochemistry Lab Area in New Medical College at IGIMS, Patna-14</b>		
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>		<b>Rs. 3,93,923/-</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	15.57	Dismantling aluminium/Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of nserviceable surplus material and stacking of serviceable material with in 50 m lead as directed by Engineer-in-charge	Sqm.	216.08	23.70
2	26.27	Providing and fixing mineral fibre false ceiling tiles at all heights of size 595X595mm of approved texture, design and pattern. The tiles should have Humidity Resistance (RH) of 99%, Light Reflectance ?85%, Thermal Conductivity k = 0.052 - 0.057 w/m K, Fire Performance as per (BS 476 pt - 6 &7)in true horizontal level suspended on interlocking TGrid of hot dipped all round galvanized iron section of 0.33 mm thick (galvanized @120 gsm ) comprising of main T runners of 15x32 mm of length 3000 mm, cross T of size 15x32mm of length 1200 mm and secondary intermediate cross T of size 15x32 mm of length 600 mm to form grid module of size 600x600 mm suspended from ceiling using galvanized mild steel item (galvanised@80gsm) 50 mm long 8mm outer diameter M-6 dash fasteners, 6 mm diameter fully threaded hanger rod up to 1000 mm length and L-shape level adjuster of size 85x25x2 mm, spaced at 1200 mm centre to centre along main T. The system should rest on periphery walls /partitions with the help of GI perimeter wall angle of size24x24X3000 mm made of 0.40 mm thick sheet, to be fixed to the wall with help of plastic rawl plug at 450 mm centre to centre & 40 mm long dry wall S.S. screws. The exposed bottom portion of all T-sections used in false ceiling support system shall be pre-painted with polyester baked paint, for all heights. The work shall be carried out as per specifications, drawings and as per directions of the engineer-in-charge.			
a	26.27.1	With 16 mm thick beveled tegular mineral fibre false ceiling tile (NRC 0.55 to 0.6)	Sqm.	216.08	1706.60

**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**

**Notice Inviting Tender- 05/IGIMS/ Engg Cell/CW/Tender/2024-25**

<b>Sl. No.</b>	<b>Name of the Work :-</b>		<b>Provision of Water Cooler Stand in New OT Complex and Aluminium Work in Auditorium at IGIMS, Patna-14</b>		
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>		<b>Rs. 1,52,059/-</b>		
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>		<b>Rs. 3,100/-</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>
1	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	0.56	3,998.10
2	6.18.4A	Half brick masonry with bricks of class designation 100A in foundations and plinth in : cement mortar 1:4 (1 cement: 4 coarse sand)	sqm	0.75	599.30
3	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/I,	sqm	7.50	444.80
4	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	4.50	686.80
5	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.	62.29	386.10
6	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	9.95	1,115.10
7	21.2	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade 1 Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge.			
A	21.2.2	Pre-laminated particle board with decorative lamination on both sides	sqm	6.30	826.90
8	8.2	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 (1 cement : 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.			
A	8.2.1	Rajnagar plain white marble /Udaipur green marble/ Zebra block marble			
	8.2.2.1	Area of slab upto 0.50 sqm	sqm	9.09	4,242.90
9	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 Engineer-in-charge, ( for payment purpose only weight of stainless stel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	kg.	91.78	546.80
10	26.87	Providing and fixing factory made single extruded WPC {Wood Polymer Composite} solid plain flush door shutter 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 1800N {Face} & 900N (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 butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all as per direction of Engineer-InÉ Charge. {Note: stainless steel butt hinges and necessary S.S screws shall be paid separately			
a	26.87.1	30 mm thick	sqm	1.58	3,866.50



**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:-**

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- 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-06**

**Notice Inviting Tender- 05/IGIMS/ Engg Cell/CW/Tender/2024-25**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	<b>Miscellaneous Work of Hospital, Nursing College and Residential Area at IGIMS, Patna-14</b>
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>	<b>Rs. 2,67,092/-</b>
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>	<b>Rs. 5,400/-</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>BSR-2022</b>	<b>Item Description</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
1	18.73	Providing and laying Double Flanged (Screwed / Welded) Centrifugally (Spun) Ductile Iron Pipes of Class K - 9 conforming to IS : 8329 :			
a	18.73.1	100 mm dia Ductile Iron Double Flanged	mt.	20.00	1,509.30
b	18.73.2	150 mm dia Ductile Iron Double Flanged	mt.	31.00	2,264.40
2	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	18.36	360.70
3	2.27	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth: consolidating each deposited layer by ramming and watering lead			
a	2.27.1	Ali kinds of soil.	Cum	9.18	49.40
4	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete	Cum	4.59	287.30
5	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	30.60	283.30
6	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	4.59	3,998.10
7	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	16.41	30.70
8	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	sqm	2.25	686.80

		thick Cement motar 1:4 (1 cement: 4 coarse sand ) including pointing the joints with white cement and matching pigment etc., complete.			
9	17.1	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 andlevel white P.V.C.flushing cistern, including flush pipe, with manually controlled device(handle lever) conforming to IS : 7231, with all fittings and floorswherever required :			
a	17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	Each	1.00	4470.90
10	12.78	Providing and fixing on wall face unplasticidse -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	12.78.2	110 mm diameter	metre	20.00	257.50
11	12.79	Providing and fixing on wall face unplasticidse -PVC molded fitting/accessories for unplasticised PVC rain water pipes conforming to S: 4985 including jointing with seal ring conforing to IS:5382 leaving 10 mm gap for thermal expansion.			
a	12.79.3	Single tee with door			
i	12.79.3.2	110 mm	each	4.00	193.40
b	12.79.5	Band 87.5°			
ii	12.79.5.2	110mm bend	each	4.00	132.00
12	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	50.00	237.20
13	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.	67.20	105.40
14	13.80.	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. Complete	Sqm	134.40	9.70
15	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	134.40	33.20
16	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm.	134.40	38.70
17	13.93.1	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:One or more coats on old work.	Sqm.	12.96	54.30
18	14.66	Finishing walls with Acrylic Smooth exterior paint of required shade:			
19	14.66.1	Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface	Sqm.	34.56	81.70
20	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	3.00	111.40
b	9.97.4	150x10 mm	Each	3.00	71.60
21	9.100.	Providing and fixing alluminium handles anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with necessary screws etc. complete100mm	Each	10.00	50.30

22	21.1.1.1	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 fastners including necessary filling up of gaps at junctions, at top,bottom and sides with required PVC/neoprene felt etc.Aluminium sections shall be smooth, rust fre straight, mitred and jointed mechanically wherever required including cleat angle,Aluminium snap beading tor glazing/paneling, C.P. brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (GlazingFor fixed portion and panelling to be paid for separately	kg	35.64	386.10
23	21.2	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge.			
a	21.2.2	Pre-laminated particle board with decorative lamination on both sides	sqm	5.76	826.90
24	8.2	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	8.2.2.2	Area of slab over 0.50 sqm	sqm	1.80	4401.20
25	9.12	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 x19 mm for styles and 15x15 mm for top & bottom rails. M.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 -CØ 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 welded/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 -CØ Channel using PVC solvent adhesive etc. complete as per direction of Engineer-incharge, manufacturer's specification &			
a	9.120.1	30 mm thick plain PVC door	sqm.	3.36	2293.40
26	12.52X	Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections ( galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600			

		mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge			
a	12.52x1	GI Metal Ceiling Lay in plain Tegular edge Global white color tiles of size 595x595 mm, and 0.5 mm thick with 8 mm drop; made of G I sheet having galvanizing of 100 gms/sqm (both sides inclusive) and electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending	Sqm	18.00	1348.40
27		<b><u>Extra cost for carriage of Material</u></b>			
a		Sone Sand (45 km from Koelwar)	Cum	2.28	1132.90
b		Stone Aggregate	Cum	3.58	2464.45
c		Difference of Cost of Cement	tonn	1.78	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 ..  
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**

**Notice Inviting Tender- 05/IGIMS/ Engg Cell/CW/Tender/2024-25**

<b>Sl. No.</b>	<b>Name of the Work :-</b>		<b>Repair, Painting and Renovation of 20 HP RCC Pump Operator Room IGIMS, Patna -14</b>		
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>		<b>Rs. 2,09,154/-</b>		
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>		<b>Rs. 4,200/-</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>
1	15.3	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material withing 50 metres lead:	Cum	0.50	1411.20
2	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	0.50	3998.10
3	6.18.4A	Half brick masonry with bricks of class designation 100A in foundations and plinth in : cement mortar 1:4 (1 cement: 4 coarse sand)	Sqm.	5.20	599.30
4	13.12.2	15 mm cement plaster on rough side of single or half brick wall of mix1:4(1 cement: 4 coarse sand )	Sqm.	5.20	176.40
5	13.11.2	Cement plaster in course sand 12 mm cement plaster of mix:1:4(1 cement :4 coarse sand)	Sqm.	5.20	152.90
6	12.5	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer 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	18.24	625.10
7	12.51	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, 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 using self drilling/ self tapping screws complete :			
a	12.51.1	Ridges plain (500 - 600mm)	sqm.	3.00	396.80

8	10.16	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete			
a	10.16.1	Hot finished welded type tubes	kg	175.00	123.90
9	18.90	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)			
c	18.9.2	20 mm nominal outer dia pipes	metre	40.00	205.30
10	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	4.00	185.60
11	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	15.00	162.70
b	12.78.2	110 mm diameter	metre	40.50	257.50
12	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	12.79.5	Band 87.5°			
i	12.79.5.1	75mm bend	each	2.00	91.80
ii	12.79.5.2	110mm bend	each	4.00	132.00
13	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	10.00	1068.50
14	17.27	Providing and fixing white vitreous china laboratory sink including making all connections excluding cost of fittings			
a	17.27.2	Size 600x450x200 mm	each	1.00	3490.10
15	17.7.	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require :			
a	17.7.1	White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	each	2.00	2764.40
16	9.96.2	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	3.00	210.10
17	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 (1 lime : 1 surkhi: 1 coarse sand ) / 1:4 (1 cement: 4 coarse sand)			
a	11.26.1	20 to 25 mm thick	sqm	31.00	1252.70
18	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.	10.00	81.10

19	13.80.	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. Complete	Sqm	205.20	9.70
20	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	205.20	33.20
21	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm.	205.20	38.70
22	13.93.1	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:One or more coats on old work.	Sqm.	45.00	84.50
23	19.27	Constructing brick masonry road gully chamber 50x45x60 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm pre-cast R.C.C. horizontal grating with frame complete as per standard design :			
a	19.27.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	10.00	3743.30
24		<b><u>Carrage of the following material</u></b>			
a		Sone Sand (45 km from Koelwar)	Cum	1.55	1132.90
b		Stone Aggregate ,	Cum	0.45	2464.45
c		Bricks (7P+ 1K)	%o	0.34	840.43
d		Difference of Cost of Bricks	%o	0.34	1420.51
e		Difference of Cost of Cement	tonn	1.00	234.62
		<b><u>CIVIL NON SHEDULE ITEM</u></b>			
25	NSI	Providing and Fixing Two way angle Cock with flange all Complete. PRAYAG Model no-PIS-11 H or equivalent.	Each	4.00	í í í í í
26	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	4.00	í í í í í

**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-08**

**Notice Inviting Tender- 05/IGIMS/ Engg Cell/CW/Tender/2024-25**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	<b>Excavating, Supply and Filing of Local Earth Near STP and Director Bungalow at IGIMS, Patna-14</b>			
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>	<b>Rs. 4,20,924/-</b>			
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>	<b>Rs. 8,500/-</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>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	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete	Cum	200.00	287.30
2	2.25a	Excavating, supplying and filling of local earth (including royalty but excluding carriage cost) by mechanical transport upto a lead of 3km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete. If local earth is available at more than 3 km lead the actual lead must be approved by compitent authority. cairraiage of material will be paid seperately and calculated after deducting initial lead.	Cum	680.00	411.70
3		<b><u>Extra cost for carriage of Material</u></b>			
a		Local Sand	Cum	200.00	310.47

**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-09**

**Notice Inviting Tender- 05/IGIMS/ Engg Cell/CW/Tender/2024-25**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	<b>Taking out and Laying Paver Block for Proper Leveling Around New and Old Boys Hostel Building at IGIMS, Patna-14</b>			
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>	<b>Rs. 9,98,524/-</b>			
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>	<b>Rs. 20,000/-</b>			
<b>3</b>	<b>Cost of B.O.Q. (In Rs.) :-</b>	<b>Rs. 1250/-</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>1</b>	23.21	Excavation in dumped stones or malba including stacking of serviceable 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	45.00	292.20
<b>2</b>	16.83	Taking out existing CC interlocking paver blocks from ootpath/central verge, including removal of rubbish etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge	sqm	2,200.00	61.00
<b>3</b>	16.84	Laying old cement concrete interlocking paver blocks of any design/ shape laid in required line, level, curvature, 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. (Old CC paver blocks shall be supplied by the department free of cost).	sqm	2,200.00	70.80
<b>4</b>	2113	Cement mortar 1:4(1 cement:4 coarse sand)	cum	55.00	2279.50
<b>5</b>	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.	110.00	721.10
<b>6</b>	11.79	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:			
7	11.79.2	(b) 80 mm thick c.c. paver block of M-35 grade with white colour design and pattern	sqm.	180.00	906.10
8	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete	cum	108.00	287.30
9	6.1A	Brick work with bricks of class designation 100A in foundations and plinth in :			
a	6.1.12/1	Cement mortar 1 :.4 (1 cement: 4 coarse sand )	Cum	6.00	5017.90
10	6.3A	Extra for Brick work in superstructure above plinth level upto floor V level	Cum	6.00	842.20
11	6.18.4A	Half brick masonry with bricks of class designation 100A in foundations and plinth in : cement mortar 1:4 (1 cement: 4 coarse sand)	Sqm.	90.00	599.30
12	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.	95.00	176.40
13	13.11.2	Cement plaster in course sand 12 mm cement plaster of mix:1:4(1 cement :4 coarse sand)	Sqm.	95.00	152.90
14	13.93.1	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:One or more coats on new work	Sqm	210.00	84.50
15		<b><u>Carrage of the following material</u></b>			
a		Local Sand	Cum	110.00	310.47
b		Sone Sand (45 km from Koelwar)	Cum	43.00	1,132.90
d		Bricks (7P+ 1K)	%o	8.50	840.43
e		Difference of Cost of Bricks	%o	8.50	1,420.51
f		Difference of Cost of Cement	tonn	23.81	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-10**

**Notice Inviting Tender- 05/IGIMS/ Engg Cell/CW/Tender/2024-25**

<b>Sl. No.</b>	<b>Name of the Work :-</b>		<b>Providing Partition Using Stainless Steel Framing with 12 mm Frameless Toughened Glass at Registration Counter New RIO Building Ground Floor at IGIMS, Patna-14</b>		
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>		<b>Rs. 3,09,392/-</b>		
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>		<b>Rs. 6,200/-</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>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>
1.0	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 Engineer-in-charge, ( for payment purpose only weight of stainless stel members shall be considered excluding fixing accessories such as nuts, bolts,fasteners etc.).	kg.	318.30	546.80
	21.18	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 arrangement 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).		20.60	5,143.00
	21.19	Filling the gap in between aluminium/ stone/ wood frame and adjacent RCC/ Brick/ Stone/ wood/ Ceramic/ Gypsum work by providing weather/structural non sag elastomeric PU sealant over backer rod of approved quality as per architectural drawings and direction of Engineerin- charge complete, complying to ASTM C920, DIN 18540-F & ISO 11600			
	21.19.2	Upto 10 mm depth and 10 mm width	metre	89.75	152.20



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

**BILL OF QUANTITY-11**

**Notice Inviting Tender- 05/IGIMS/ Engg Cell/CW/Tender/2024-25**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	<b>Provision of Iron Grill Gate Different Location of Hospital and Residential Campus ” at IGIMS, Patna-14</b>
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>	<b>Rs. 14,92,695/-</b>
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>	<b>Rs. 30,000/-</b>
<b>3</b>	<b>Cost of B.O.Q. (In Rs.) :-</b>	<b>Rs. 2500/-</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	15.3	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material withing 50 metres lead:	cum	5.40	1,411.20
2	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	31.50	360.70
3	2.26	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth: consolidating each deposited layer by ramming and watering lead	cum	18.00	123.90
4	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete	Cum	4.50	287.30
5	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.	27.00	283.30
6	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	4.50	3,998.10
7	5.1	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of ntring,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	18.00	4,688.30
8	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	kg	270.00	94.50
b	5.22.7B	Thermo-Mechanically Treated bars TMTC-500-10mm	kg	1,260.00	92.60

9	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	73.80	211.60
10	9.48.1	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	7,200.00	144.50
11	13.93	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade			
a	13.93.1	Two or more coats on new work	sqm.	216.00	84.50
12		<b><u>Extra cost for carriage of Material</u></b>			
a		Local Sand	Cum	9.00	310.47
b		Sone Sand (45 km from Koelwar)	Cum	10.01	1,132.90
c		Stone Aggregate	Cum	20.14	2,464.45
d		Bricks (7P+ 1K)	%o	0.90	840.43
e		Difference of Cost of Bricks	%o	0.90	1,420.51
f		Difference of Cost of Cement	tonn	8.32	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:-

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- 1- Issued to :í í í í í í í í í í í í í í í í ..  
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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-12**

**Notice Inviting Tender- 05/IGIMS/ Engg Cell/CW/Tender/2024-25**

<b>Sl. No.</b>	<b>Name of the Work :-</b>		<b>Outer Painting Work of Gas Manifold Building and Other Miscellaneous Work in LMO Gas Plant Area at IGIMS, Patna-14</b>		
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>		<b>Rs. 7,66,668/-</b>		
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>		<b>Rs. 15,400/-</b>		
<b>3</b>	<b>Cost of B.O.Q. (In Rs.) :-</b>		<b>Rs. 1250/-</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	15.3	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material withing 50 metres lead:	Cum	2.70	1411.20
2	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	2.00	823.70
3	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	32.40	292.20
4	12.5	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer 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	27.00	625.10
5	12.51	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, 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 using self drilling/ self tapping screws complete :			
a	12.51.1	Ridges plain (500 - 600mm)	sqm.	29.00	396.80
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	100.00	237.20
7	13.80.A.2	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	81.10
8	14.66	Finishing walls with Acrylic Smooth exterior paint of required shade:			
a	14.66.1	Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface	sqm	1045.20	81.70
9	13.93.1	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:One or more coats on new work	Sqm.	840.00	84.50
10	13.12.2	15 mm cement plaster on rough side of single or half brick wall of mix1:4(1 cement: 4 coarse sand )	Sqm.	100.00	176.40
11	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete	Cum	36.45	287.30
12	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	81.00	283.30
13	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	8.85	3879.40
14	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	5.63	5017.90
15	5.1	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of entring,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	4688.30
16	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	50.00	94.50
b	5.22.7B	Thermo-Mechanically Treated bars TMTC-500-10mm dia.	kg	50.00	92.60
17	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	10.00	211.60
18	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	130.00	123.90
19	9.48.1	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	750.00	144.50
20	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 (1 lime : 1 surkhi: 1 coarse sand ) / 1:4 (1 cement: 4 coarse sand)			
a	11.26.1	20 to 25 mm thick	sqm.	81.00	1252.70
21	24.5	Supplying, filling, spreading & leveling stone boulders of size range 5 cm to 20 cm, in recharge pit, in the required thickness, for all leads & lifts, all complete as per direction of Engineer-incharge	cum	16.2	1188.90
22		<b><u>Extra cost for carriage of Material</u></b>			

a		Local Sand	Cum	40.00	310.47
b		Sone Sand (45 km from Koelwar)	Cum	14.00	1,132.90
c		Stone Aggregate ,(110 Km From Gaya Manpur)	Cum	28.50	2,464.45
d		Bricks (7P+ 1K)	%o	5.50	840.43
e		Difference of Cost of Bricks	%o	5.50	1,420.51
f		Difference of Cost of Cement	tonn	7.932	234.62
g		Extra cost for carriage of extra earth	cum	40.00	208.17

**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-13**

**Notice Inviting Tender- 05/IGIMS/ Engg Cell/CW/Tender/2024-25**

<b>Sl. No.</b>	<b>Name of the Work :-</b>		<b>Making Opening to Connect of all Endoscopy Room, Making Aluminium Cabin for Changing Room and Painting Corridor in Endoscopy Department at 2nd Floor of Diagnostic Block at IGIMS, Patna-14</b>		
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>		<b>Rs. 1,16,391/-</b>		
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>		<b>Rs. 2,400/-</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>
1	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	2.88	823.70
2	15.13	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 meters lead.			
a	15.13.2	Of area beyond 3 sqm	each	3.00	78.10
3	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	20.00	237.20
4	13.80.	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. Complete	Sqm	225.00	9.70
5	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	225.00	33.20
6	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm.	225.00	38.70
7	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.	20.00	81.10
8	21.1.1.1	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 fastners including necessary filling up of gaps at junctions, at top, bottom and sides with required	kg	148.33	386.10

		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)			
9	21.2	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade 1 Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge.			
a	21.2.2	Pre-laminated particle board with decorative lamination on both sides	sqm	16.92	826.90
10	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 5.5 mm thickness	sqm	7.92	1115.10
11	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	6.00	210.10
12	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	6.00	111.40
b	9.97.4	150x10 mm	Each	6.00	71.60
13	9.100.1	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	12.00	57.10

**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., Patn

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

**BILL OF QUANTITY-14**

**Notice Inviting Tender- 05/IGIMS/ Engg Cell/CW/Tender/2024-25**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	<b>Repair, Painting Work 23.0 Nos. Room of MBBS Boy's Hostel &amp; 13 Nos. Old BDH at IGIMS, Patna-14.</b>			
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>	<b>Rs. 3,67,944/-</b>			
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>	<b>Rs. 7,400/-</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>BSR-2022</b>	<b>Item Description</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</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	282.77	237.20
2	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.	282.77	81.10
3	13.80.	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. Complete	Sqm	2,827.72	9.70
4	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	2,827.72	33.20
5	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm.	2,827.72	38.70
6	13.93.1	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:One or more coats on old work.	Sqm.	524.44	54.30

**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-15**

**Notice Inviting Tender- 05/IGIMS/ Engg Cell/CW/Tender/2024-25**

<b>Sl. No.</b>	<b>Name of the Work :-</b>		<b>Repair, Painting and Renovation of New O.T. Block Corridor at IGIMS, Patna-14.</b>		
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>		<b>Rs. 8,53,283/-</b>		
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>		<b>Rs. 17,100/-</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>BSR-2022</b>	<b>Item Description</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
1	15.3	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material withing 50 metres lead:	Cum	7.80	1,411.20
2	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	5.00	823.70
3	15.13	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 meters lead.			
a	15.13.2	Of area beyond 3 sqm	each	40.00	78.10
4	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete	Cum	9.00	287.30
5	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	18.00	283.30
6	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	8.10	3,998.10
7	5.1	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of ng,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)	cum	3.00	4,688.30
8	5.22	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all omplete.		-	
a	5.22.7A	Thermo-Mechanically Treated bars TMTC-500-8mm	kg	100.00	94.50
b	5.22.7B	Thermo-Mechanically Treated bars TMTC-500-10mm	kg	100.00	92.60



10	5.9	Centring and shuttering including strutting,propping etc. and removal of form for.		-	
a	5.9.5	Lintels, beams, plinth bams, griders, bressumers and contilevers.	sqm	10.00	404.70
11	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	6.90	5,017.90
12	6.3A	Extra for Brick work in superstructure above plinth level upto floor V	Cum	6.90	842.20
13	13.12.2	15 mm cement plaster on rough side of single or half brick wall of mix1:4(1 cement: 4 coarse sand )	Sqm.	85.20	176.40
14	13.11.2	Cement plaster in course sand 12 mm cement plaster of mix:1:4(1 cement :4 coarse sand)	Sqm.	85.20	152.90
15	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	200.00	237.20
16	13.80.	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. Complete	Sqm	2,124.00	9.70
17	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	1,152.00	33.20
18	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm.	1,152.00	38.70
19	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.	200.00	81.10
20	14.66	Finishing walls with Acrylic Smooth exterior paint of required shade:			
a	14.66.1	Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface	sqm	1,000.00	81.70
8	13.93.1	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:One or more coats on new work	Sqm.	360.00	54.30
21	9.48.1	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	650.00	144.50
22	22.5.	Providing and laying in sssitu five course water proofing treatment with glass fibre tissue reinforced bitumen over roof consisting of first coat of bitumen primer @ 0.40 kg. per sqm, 2nd & 4th courses of bonding material@ 1.60 kg. per sqm which shall consist of blown type bitumen of grade 85/25 conforming to IS: 702, third layer of glass ffibre tissue course as specified, fifth, the top most layer of stone grit 6 mm and down size or pea-sized gravel sprad @ 6 dmJ per sqm including preparation of surface excluding grading for slope etc. complete.	Sqm	180.00	409.70
23	13.13.2	Cement plaster in course sand 20 mm cement plaster of mix:1:4(1 cement :4 coarse sand)	Sqm.	180.00	209.90
24	12.5	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer 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	15.00	625.10
25	10.16.1	Steel work in built up tubular trusses including cutting, hoisting, fixing in position and applying a priming coar of	kg	115.00	123.90

		approved steel primer, welded and bolted including special shaped washers etc. complete:Hot finished welded type tubes			
26	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 (1 lime : 1 surkhi: 1 coarse sand ) / 1:4 (1 cement: 4 coarse sand)			
a	11.26.1	20 to 25 mm thick	sqm.	60.00	1,252.70
27		<b><u>Extra cost for carriage of Material</u></b>			
a		Local Sand	Cum	11.00	310.47
b		Sone Sand (45 km from Koelwar)	Cum	30.00	1,132.90
c		Stone Aggregate ,(110 Km From Gaya Manpur)	Cum	10.00	2,464.45
d		Bricks (7P+ 1K)	%o	4.00	840.43
e		Difference of Cost of Bricks	%o	4.00	1,420.51
f		Difference of Cost of Cement	tonn	10.96	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-16**

**Notice Inviting Tender- 05/IGIMS/ Engg Cell/CW/Tender/2024-25**

<b>Sl. No.</b>	<b>Name of the Work :-</b>		<b>Manufacturing Supplying and Fixing Retro Reflective Overhead Signage Board for New RIO Building and Road Breaker at Different Location in Campus at IGIMS, Patna-14.</b>		
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>		<b>Rs. 4,81,051/-</b>		
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>		<b>Rs. 9,700/-</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>
1	16.60	Manufacturing, supplying and fixing retro reflective overhead signage boards made up of 2 mm thick aluminium sheet, face to be fully covered with high intensity and encapsulated lens type heat activated retro reflective sheeting conforming to type - III of ASTM-D-4956-01 as approved by Engineer-in-charge, letters, borders etc. as per IRC : 67-2001 in silver white with blue colour back ground and with high intensity grade, pasted on substrate by pressure sensitive adhesive backing which shall be activated by applying pressure conforming to class II of ASTM-D-4956-01 and fixing the same to the plate of structural frame work by means of suitable sized aluminium alloys, rivets or bolts & nuts @ 300 mm centre to centre all along the periphery as well as in two vertical rows along with theft resistant measures, including the cost of painting with two or more coats of epoxy paint in grey colour on the back side of aluminium sheet including appropriate priming coat. The rate includes the cost of rounding off the corners, lowering down the structural frame work from the gantry, fixing and erecting the same in position all complete as per drawings, specification and direction of the engineer-incharge. ( Structural frame work including M.S. plate to be provided separately. Rectangular area of the sheet only shall be measured for payment).			
a	16.60.1	Overhead informatory road signage	sqm	8.64	5,528.40
2	9.48.1	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	436.85	144.50
3	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.	33.07	84.50
5	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	cum	1.94	3,998.10

		nominal size)			
6		<b><u>Extra cost for carriage of Material</u></b>			
a		Sone Sand (45 km from Koelwar)	Cum	0.86	1,132.90
b		Stone Aggregate ,(110 Km From Gaya Manpur)	Cum	1.74	2,464.45
c		Difference of Cost of Cement	tonn	0.62	234.62
		<b><u>Non Schedule Items</u></b>			
31	NSI	Providing and fixing Speed Breaker size 250mmX300mmX50mm , Load Capacity 50Ton Abs Plastic Material Filled with PCC, Including all Complete.	mtr	92.00	í í í í í

**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