

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

**BILL OF QUANTITY-01**

**TENDER NOTICE NO.- Engg. /09/ EC/CW/Tender/2022-23)**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	<b>Development of Existing parking Area North side of Polyclinic Building &amp; M.S Office at IGIMS,Patna-14</b>
1	<b>Estimated Cost (In Rs.) :-</b>	<b>Rs. 14,86,276/-</b>
2	<b>Earnest Money (In Rs.) :-</b>	<b>Rs. 29,750/-</b>
3	<b>Cost of B.O.Q. (In Rs.) :-</b>	<b>Rs. 2,500/-</b>
4	<b>Time of completion :- ( In Days)</b>	<b>45 Days</b>
5	<b>Date, time &amp; place for submission of Complete tender-</b>	<b>As Per NIT</b>
6	<b>Date and time for opening of tender-(Technical Bid)-</b>	<b>As Per NIT</b>
7	<b>Date &amp; Time for opening of Price Bid of Technically Suitable bidders.</b>	<b>As Per NIT</b>

<b>Sl. No.</b>	<b>BSR-2022</b>	<b>Item Description</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
1	2.29	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50m and lift upto 1.5 m			
a	2.29.1	All kinds of soil.	sqm.	66.00	13.55
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	44.55	360.70
3	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete	Cum	23.75	287.30
4	11.72	Providing designation 100 A one brick flat soling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I,	Sqm.	157.00	283.30
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 nominal size)	Cum	13.973	3,998.10
6	5.1	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of			

		ing,shuttering,finishing and reinforcement-All work upto 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	10.26	4,688.30
7	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	254.38	94.50
b	5.22.7B	Thermo-Mechanically Treated bars TMTC-500-10mm dia.	kg	53.57	92.60
8	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	13.50	404.70
9	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	11.97	5,017.90
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	101.25	176.40
11	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.	200.00	84.50
12	12.78	Providing and fixing on wall face unplastidse -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 162.70	metre	30.00	162.70
b	12.78.2	110 mm diameter	metre	25.00	257.50
13	12.79	Providing and fixing on wall face unplastidse -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	12.793.1	75x75x75 mm	each	10.00	141.60
	12.79.3.2	110 mm	each	10.00	193.40
b	12.79.5	Band 87.5°			
i	12.79.5.1	75 mm bend	each	10.00	91.80
	12.79.5.2	110mm bend	each	10.00	132.00
14	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:			
a	11.79.2	80 mm thick c.c. paver block of M-35 grade with white colour design and pattern.	sqm.	950.00	906.10
15	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.	175.00	546.80
16		Extra cost for carriage of Material		-	
a		Local Sand / Earth soil (3 Km)	Cum	35.00	310.47
b		Sone Sand (45 km from Koelwar)	Cum	63.50	1,132.90
c		Stone Aggregate ,(110 Km From Gaya Manpur)	Cum	22.16	2,464.45
d		Bricks (7P+ 1K)	%o	11.01	840.43
e		Difference of Cost of Bricks	%o	11.01	1,420.51
f		Difference of Cost of Cement	tonn	11.54	234.62
		Civil Non Schedule Item			
17	NSI	Providing and fixing on wall face unplastidsed-PVC rain water pipes .leaving 10 mm gap for thermal expansion.			
a		150 mm diameter	mt.	60.00	.....



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

**BILL OF QUANTITY-02**

**TENDER NOTICE NO.- Engg. /09/ EC/CW/Tender/2022-23)**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	<b>Making of Account Section cabin using light Gauge Steel Framed Structure Ground Floor of New Medical College Building at IGIMS,Patna-14</b>
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>	<b>Rs. 13,16,399/-</b>
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>	<b>Rs. 26,350/-</b>
<b>3</b>	<b>Cost of B.O.Q. (In Rs.) :-</b>	<b>Rs. 2,500/-</b>
<b>4</b>	<b>Time of completion :- ( In Days)</b>	<b>45 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	10.16.1	Steel work in built up tubular trusses including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, welded and bolted including special shaped washers etc. complete:Hot finished welded type tubes	kg	1,838.25	123.90
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	50.00	237.20
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	175.50	9.70
4	13.78.2	Applying one coat of cement primer of approved brand and manufacture on wall surface:Distemper primer	sqm	175.50	38.70
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	175.50	33.20
6	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.	50.00	81.10
7	13.93	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:			
a)	13.93.2	One or more coats on old work.	sqm	33.15	54.30

8	26.45	Supplying and installation of moisture resistant/fire resistant cement board as per standard sizes fixed with selfdrilling / taping screws. Screws shall be of counter sunk rib head of 1.60mm to 4 mm thick or 8 to 10 gauge of length varying from 25 to 45 mm.			
a)	26.45.2	Cement Bonded particle board 8 mm thick (Termite, Fire & Moisture Resistance), as per IS:14276 : 1995	sqm	392.10	636.50
9	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	16.80	1,115.10
b	21.3.3	With float glass panes of 8 mm thickness(weight not less than 20 kg/sqm).	sqm	16.44	1,285.60
10	21.17	Providing and fixing anodised aluminium grill (anodised transparent or dyed to required shade according to IS: 1868 with minimum anodic coating of grade AC 15) of approved design/pattern, with approved standard section and fixed to the existing window frame with C.P. brass/ stainless steel screws @ 200 mm centre to centre, including cutting the grill to proper opening size for fixing and operation of handles and fixing approved anodised aluminium standard section around the opening, all complete as per requirement and direction of Engineer-in-charge. (Only weight of grill to be easured for payment).	kg	13.23	511.00
11	9.127	Providing & Fixing decorative high pressure laminated sheet of plain/ wood grain in gloss / matt / suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality			
a	9.127.2	1.0 mm thick	Sqm	547.55	669.00
12	9.79	Providing and fixing special quality bright finished brass cupboard or ward robe locks with four levers of approved quality including necessary screws etc. complete.			
a	9.79.2	50 mm	each	80.00	222.00
13	9.80.	Providing and fixing 50 mm bright finished brass cup board or wardrobe knob of approved quality with	each	40.00	56.70
14	9.114	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete .			
a	9.114.1	Triple strip vertical type	each	80.00	44.80
15	9.74	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete			
a	9.74.4	100x10mm	each	80.00	155.30
16	9.115	Providing and fixing powder coated telescopic drawer channels 300 mm long with necessary screws etc. complete as per directions of Engineer-in-charge.	each	80.00	355.00
17	9.92	Providing and fixing chromium plated brass handles with necessary screws etc. complete:			
a	9.92.2	100 mm	each	80.00	196.20
18	9.21	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type,core of block board construction with frame of 1 st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:			

a	9.21.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	sqm	4.20	1,775.30
19	9.23	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of shutters (overall area of door shutter to be measured)	sqm	4.20	401.40
<b>CIVIL NON SCHEDULE ITEM</b>					
20	NSI	Providing and fixing 19mm thick Centutary/Green ply of approved brand. For cup-board , ward robe , partition / panelling Etc. All complete as per archiectural drawings and directions of engineer-incharge	sqm	130.77	í í í 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 ..
- 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**

**TENDER NOTICE NO.- Engg. /09/ EC/CW/Tender/2022-23)**

<b>Sl. No.</b>	<b>Name of the Work :-</b>		<b>Aluminum Partition Work in Proposed vaccination Center Near OPD (Earlier ayushman Center) at IGIMS, Patna-14.</b>		
1	<b>Estimated Cost (In Rs.) :-</b>		<b>Rs. 4,89,313/-</b>		
2	<b>Earnest Money (In Rs.) :-</b>		<b>Rs. 9,800/-</b>		
3	<b>Cost of B.O.Q. (In Rs.) :-</b>		<b>Rs. 750/-</b>		
4	<b>Time of completion :- ( In Days)</b>		<b>15 Days</b>		
5	<b>Date, time &amp; place for submission of Complete tender-</b>		<b>As Per NIT</b>		
6	<b>Date and time for opening of tender-(Technical Bid)-</b>		<b>As Per NIT</b>		
7	<b>Date &amp; Time for opening of Price Bid of Technically Suitable bidders.</b>		<b>As Per NIT</b>		
<b>Sl. No.</b>	<b>BSR-2022</b>	<b>Item Description</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
1	15.12	Dismantling doors windows and clerestory windows (steel or wood) shutters including chowkhats, architrage, holdfasts etc. complete and stacking within 50 m lead.,			
a	15.12.1	of area 3 Sq.m. and below	Each	3.00	151.80
2	15.23	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.			
a	15.23.1	For thickness of tiles 10 mm to 25 mm	sqm	10.08	30.70
3	15.7	Demolishing brick work including stacking of serviceable material and disposal of unserviceable material within 50 meters lead:			
a	15.7.4	In cement mortar	cum	1.00	823.70
4	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 free straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/panelling, C.P. brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing For fixed portion and panelling to be paid for separately	kg	273.11	386.10

5	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	21.2.1	Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side	sqm	49.31	841.00
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 5.5 mm thickness	sqm	10.71	1,115.10
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	4.1.4	1:2:4(1 Cement: 2 coarse sand:4 graded stone aggregate 20 mm nominal size)	cum	1.00	3,879.40
8	11.36	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (Thickness to be specified by the manufacture) of approved make in all colours, shades except burgundy , bottle green , black of any size as approved by Engineer-in-charge in skirting , risers of steps and dados over 12 mm thick bed of cement Motar 1:3(1 cement: 3 coarse sand ) and jointing with grey cement slurry @ 3.3 kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	sqm	10.00	795.00
9	11.37	Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturer) of ist quality conforming to IS : 15622 of approved make in colours such as white , Ivory , Grey , Fume Red , Brown , laid on 20 mm thick Cement motar 1:4 (1 cement: 4 coarse sand ) including pointing the joints with white cement and matching pigment etc., complete.	sqm	8.82	686.80
10	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	6.30	599.30
11	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	12.60	176.40
12	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	20.00	237.20
13	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	20.00	81.10
14	13.8	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repari scratches tec. Gmplete	sqm	196.90	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	196.90	33.20
16	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	sqm	196.90	38.70
17	13.46	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade			

a	13.46A.1	New work (Two or more coat applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior	sqm	165.00	132.50
18	13.93.2	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:Two or more coats on new work	sqm	65.00	54.30
19	9.123	Providing and fixing factory made door frame (single rebate) made out of single piece extruded solid PVC foam profile with homogenous fine cellular structure having smooth outer integral skin having 62 mm width & 32 mm thickness, frame will be mitred & Jointed with self driven self tapping screws of size 38 mm x 4 mm & PVC solvent cement , including fixing the frame to wall with suitable dia & length	mtr.	10.00	453.00
20	9.124	Providing and fixing factory made 30 mm thick door shutter made of solid PVC foam profile. The styles & rails shall be of size 75 mm x 30 mm having wall thickness 5 mm. The styles, top & bottom rails shall have one side wall thickness of 15 mm integrally extruded on the hinge side of the profile for better screw holding power. The styles and rails shall be reinforced with M.S. tubes of size 33 mm x 17 mmx 1mm, painted with primer, all four corners of reinforcement to be welded or sealed. Solid PVC extruded bidding (push fit type) will be set inside the styles and the rails with a cavity, to receive single piece extruded 5 mm PVC sheet as panel. The styles and rails will be mitred cut and joint with the help of PVC solvent cement & self driven self tapping screws. Single piece extruded solid PVC lock rail of size 100 mm x 30 mm with wall thickness 5 mm & 15 mm integrally extruded in the middle of the lock rail & fixed with styles with the help of PVC solvent cement & self driven self tapping screws of size 100 mm x 8mm complete as per manufacturer's specifications and direction of Engineer-in-charge			
a	9.124.1	Non decorative finish	sqm.	3.15	2,898.90
21	11.19.1	Chequered terrazo tiles 22 mm thick with marble chips of sizes upto 6 mm in floors jointed with neat cement slurry mixed with pigment to match the shade of the tiles, including rubbing and polishing complete on 20 mm thick bed of cement mortar 1:4 (1 cement:4 coarse sand) Light shade using white cement	sqm	20.73	970.20
22	17.7	Providing and fixing wash basing with C.I. brackets 15mm C.P. brass pillar taps 32mm C.P. brass waste of standard pattern, including painting of fitting and brackets, cutting and making good the walls wherever require.			
a	17.7.1	White vitreous china wash basing size 630X450 mm with a pair of 15 mm C.P. brass pillar taps.	Each	2.00	2,764.40
23	17.2	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :			
a	17.2.1	W.C. pan with ISI marked white solid plastic seat and lid	Each	1.00	4,230.00
24	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 and level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and floors wherever required			
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

25	18.9	Providing and fixing chlorinated polyvinyl chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fitting this includes jointing of pipes & fitting with one step CPVC solvent cement, trenching, refilling & testing of joints complete as direction of engineer in charge. (External work)			
a	18.9.3	25 mm nominal outer dia pipes	metre	20.00	294.70
b	18.9.2	20 mm nominal outer dia pipes	metre	25.00	205.30
26	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	8.00	185.60
b	18.46.3	25 mm nominal bore	each	4.00	265.90
27	12.78	Providing and fixing on wall face unplasticised -PVC (working pressure 4 kg per sqm) rain water pipes conforming to IS:4985 including jointing with seal ring conforming to IS:5382 leaving 10 mm gap for thermal expansion.			
a	12.78.1	75 mm diameter	metre	10.00	162.70
b	12.78.2	110 mm diameter	metre	20.00	257.50
28	12.79	Providing and fixing on wall face unplasticised -PVC molded fitting/accessories for unplasticised PVC rain water pipes conforming to IS: 4985 including jointing with seal ring conforming to IS:5382 leaving 10 mm gap for thermal expansion.			
a	12.79.3	Single tee with door			
	12.79.3.2	110 mm	each	5.00	193.40
b	12.79.5	Band 87.5°			
	12.79.5.1	75mm bend	each	4.00	91.80
	12.79.5.2	110mm bend	each	5.00	132.00
29	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	17.28.1.2	40 mm dia	each	2.00	101.70
30	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
31	18.58	Providing and fixing PTMT grating of approved quality and colour.			
a	18.58.1.2	125mm nominal dia with 25 mm waste hole.	each	4.00	45.20
32	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	2.00	399.20
33	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	2.00	1,068.50

34	18.65	Providing and fixing PTMT soap Dish Holder having length of 138mm,breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms	each	2.00	96.80
35	17.73.1	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour.		2.00	397.30
36	18.52.1	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.	each	4.00	594.80
37	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :	each	4.00	434.20
38	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	3.00	979.50
39	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	4.00	210.10
40	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	4.00	111.40
b	9.97.4	150x10 mm	each	4.00	71.60
41	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	4.00	57.10
42	22.18	Providing and fixing APP (Atactic Polypropylene Polymer) modified prefabricated five layer 2 mm thick water proofing membrane, black finished reinforced with glass fibre matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 litre/ sqm by the same membrane manufacture of density at 25°C, 0.87 - 0.89 kg/ litre and viscocity 70 - 160 cps. Over the primer coat the layer of membrane shall be laid using Butane torch and sealing all joints netc., and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under : Jointstrength in longitudinal and transverse direction at 23°C as 350/300 N/ 5cm. Tear strength in longitudinal and transverse direction as 60/80N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorised applicator of the manufacture of membrane.			
a	22.18.1	2 mm (for corrugated roof sheets).	sqm.	250.00	354.80
		<b>CIVIL NON SCHEDULE ITEM</b>			
43	NSI	providing and fixing vertical blind complete.	sqft	358.496	í í í 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-04**

**TENDER NOTICE NO.- Engg. /09/ EC/CW/Tender/2022-23)**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	<b>Repair, Painting and maintenance Work of Rooms and toilet in New Boys Hostel at IGIMS,Patna-14</b>
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>	<b>Rs. 4,66,652/-</b>
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>	<b>Rs. 9,350/-</b>
<b>3</b>	<b>Cost of B.O.Q. (In Rs.) :-</b>	<b>Rs. 750/-</b>
<b>4</b>	<b>Time of completion :- ( In Days)</b>	<b>15 Days</b>
<b>5</b>	<b>Date, time &amp; place for submission of Complete tender-</b>	<b>As Per NIT</b>
<b>6</b>	<b>Date and time for opening of tender-(Technical Bid)-</b>	<b>As Per NIT</b>
<b>7</b>	<b>Date &amp; Time for opening of Price Bid of Technically Suitable bidders.</b>	<b>As Per NIT</b>

<b>Sl. No.</b>	<b>BSR-2022</b>	<b>Item Description</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
<b>1</b>	<b>9.79</b>	<b>Providing and fixing special quality bright finished brass cupboard or ward robe locks with four levers of approved quality including necessary screws etc. complete.</b>			
<b>a</b>	<b>9.79.2</b>	<b>50 mm</b>	<b>each</b>	<b>40.00</b>	<b>222.00</b>
<b>2</b>	<b>9.114</b>	<b>Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. Complete</b>			
<b>a</b>	<b>9.114.2</b>	<b>Double strip (horizontal type)</b>	<b>each</b>	<b>4.00</b>	<b>34.10</b>
<b>3</b>	<b>9.80</b>	<b>Providing and fixing 50 mm bright finished brass cupboard or wardrobe knob of approved quality with</b>	<b>each</b>	<b>25.00</b>	<b>56.70</b>
<b>4</b>	<b>9.74</b>	<b>Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete</b>			
<b>a</b>	<b>9.74.3</b>	<b>150x10mm</b>	<b>each</b>	<b>56.00</b>	<b>227.30</b>
<b>b</b>	<b>9.74.1</b>	<b>250x10mm</b>	<b>each</b>	<b>30.00</b>	<b>369.40</b>
<b>5</b>	<b>9.96.2</b>	<b>Providing and fixing aluminum sliding door bolt anodized(anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required color and shade with nuts and screws etc. complete: 250x 16 mm</b>	<b>Each</b>	<b>2.00</b>	<b>210.10</b>
<b>6</b>	<b>9.97</b>	<b>Providing and fixing aluminum sliding tower bolt anodized(anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required color and</b>			

		shade with nuts and screws etc. complete:			
b	9.97.5	100x10 mm	Each	60.00	54.70
7	9.82	Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc.	Each	59.00	108.10
8	9.100.1	Providing and fixing aluminum handles anodized (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	30.00	57.10
9	14.5	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty:			
a	14.5.2	Float glass panes of thickness 5.5 mm	sqm	18.00	1,026.90
10		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 direction of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item):			
a	21.3.3	With float glass panes of 8 mm thickness (weight not less than 20 kg/sqm).	sqm	3.50	1,285.60
11	111	Carpenter 1st class per day	each	15.00	413.00
12	112	Carpenter 2nd class per day	each	30.00	369.00
13	17.7	Providing and fixing wash basing with C.I. brackets 15mm C.P. brass pillar taps 32mm C.P. brass waste of standard pattern, including painting of fitting and brackets, cutting and making good the walls wherever require.			
a	17.7.1	White vitreous china wash basing size 630X450 mm with a pair of 15 mm C.P. brass pillar taps.	Each	7.00	2,764.40
14	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	200.00	237.20
15	13.80.A.1	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete	Sqm.	200.00	81.10
16	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	2,072.74	33.20
17	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface: Distemper primer	Sqm.	2,072.74	38.70

18	13.8	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repari scratches tec. Gmplete	Sqm	2,072.74	9.70
19	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			
b	17.28.1.1	32 mm dia	Each	85.00	91.00
20	18.58	Providing and fixing PTMT grating of approved quality and colour.			
a	18.58.1.2	125mm nominal dia with 25 mm waste hole.	Each	154.00	45.20
21	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	2.00	1,068.50
22	18.74	Providing and fixing unplastised 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	80.00	108.00
23	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	Each	29.00	905.50
		Non-Scheduled Item			
26	NSI Vide Cat. Page-155	Providing and Fixing Angular Stop Cock with wall flange all Complete. Jaguar Model FLR-5053N or equivalent.	Each	7.00	.....
27	NSI Vide Cat. Page-166	Providing and Fixing Pillar Cock Auto Closing System with 65 mm extension body all Complete. Jaguar Model PRS-031L65 or equivalent.	Each	17.00	.....
28	NSI Vide Cat. Page-40	Providing and Fixing Jet spray with 1 meter PVC Tube (Stainless steel) all complete. ESSCO Model ALE-547 or equivalent.	Each	1.00	.....
29	NSI Vide Cat. Page-40	Providing and Fixing Two way angle Cock with flange all Complete. PRAYAG Model no-PIS-11 H or equivalent.	Each	7.00	.....
30	NSI Vide Cat. Page-161	Providing and Fixing Bib Cock with wall flange all complete. Jaguar Model CON-047KN or equivalent.	Each	12.00	.....

**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-05**

**TENDER NOTICE NO.- Engg. /09/ EC/CW/Tender/2022-23)**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	<b>Repair, Painting Work in Neurology Department, Tiles work in skill lab Toilet and other Miscellaneous Work at IGIMS,Patna-14</b>
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>	<b>Rs. 4,60,584/-</b>
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>	<b>Rs. 9,300/-</b>
<b>3</b>	<b>Cost of B.O.Q. (In Rs.) :-</b>	<b>Rs. 750/-</b>
<b>4</b>	<b>Time of completion :- ( In Days)</b>	<b>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	15.12	Dismantling doors windows and clerestory windows (steel or wood) shutters including chowkhats, architrage, holdfasts etc. complete and stacking within 50 m lead.,			
a	15.12.1	of area 3 Sq.m. and below	Each	5.00	151.80
2	15.23	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.			
a	15.23.1	For thickness of tiles 10 mm to 25 mm	sqm	102.23	30.70
3	15.3	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material within 50 metres lead:	cum	3.00	1,411.20
4	15.7	Demolishing brick work including stacking of serviceable material and disposal of unserviceable material within 50 metres lead:			
a	15.7.4	In cement mortar	cum	11.50	823.70
5	15.52	Dismantling of flushing cistern of any size including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	each	13.00	396.10
6	11.36	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (Thickness to be specified by the manufacture) of approved make in all colours, shades except burgundy , bottle green , black of any size as approved by Engineer-in-charge in skirting , risers of steps and dados over 12 mm thick bed of cement Motar 1:3(1 cement: 3 coarse sand ) and jointing with grey cement slurry @ 3.3 kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	sqm	89.48	795.00
7	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	50.00	237.20
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	200.00	81.10
9	13.8	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repari scratches tec. Gmplete	sqm	2,909.82	9.70
10	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	2,909.82	33.20
11	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	sqm	2,909.82	38.70
12	13.93.1	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:Two or more coats on new work	Sqm.	669.42	54.30
13	17.7	Providing and fixing wash basing with C.I. brackets 15mm C.P. brass pillar taps 32mm C.P. brass waste of standard pattern, including painting of fitting and brackets, cutting and making good the walls wherever require.			
a	17.7.1	White vitreous china wash basing size 630X450 mm with a pair of 15 mm C.P. brass pillar taps.	Each	2.00	2,764.40
14	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	13.00	905.50
15	17.4	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required			
a	17.4.1	One urinal basin with 5 litre white P.V.C. automatic flushing cistern	each	2.00	3,723.20
16	18.53	Providing and fixing C.P. brass angle valve for basin mixer andgeyser points of approved quality conforming to IS:893			
a	18.53.1	15 mm nominal bore	each	7.00	500.40
17	18.74	Providing and fixing unplastised 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	15.00	108.00
18	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	17.00	91.00
19	18.15	Providing and fixing brass bib cock of approved quality :			
a	18.15.2	20 mm nominal bore	Each	8.00	328.00
20	17.69	Providing and fixing PTMT Waste Coupling for wash basin and sink,of approved quality and colour			
a	17.69.1	Waste coupling 31 mm dia of 79 mm length and 62mm breadth weighing not less than 45 gms	Each	8.00	103.00
21	18.58	Providing and fixing PTMT grating of approved quality and colour			
a	18.58.12	125 mm nominal dia with 25 mm waste hole	Each	16.00	45.20

24	18.62	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	18.62.4	40 mm nominal bore, 206mm long, weighing not less than 690gms	each	2.00	653.40
b	18.62.5	50 mm nominal bore, 242mm long, weighing not less than 1240 gms	each	2.00	1,188.60
25	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	2.00	1,068.50
26	17.73.1	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour.	each	2.00	397.30
27	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 and level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and floors wherever required			
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
28	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	55.00	162.70
29	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.			
b	12.79.5	Band 87.5°			
i	12.79.5.1	75mm bend	each	10.00	91.80
		<b>CIVIL NON SCHEDULE ITEM</b>			
30	NSI	Providing and Fixing Pillar Cock Auto Closing System with 65 mm extension body all Complete. Jaguar Model PRS-031L65 or equivalent.	Each	3.00	í í í í í 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-06**

**TENDER NOTICE NO.- Engg. /09/ EC/CW/Tender/2022-23)**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	<b>Repair of All Toilet chaukhat and bathroom Fittings of New and old Pvt ward in ward block Ground Floor at IGIMS,Patna-14</b>
1	<b>Estimated Cost (In Rs.) :-</b>	<b>Rs. 4,52,346/-</b>
2	<b>Earnest Money (In Rs.) :-</b>	<b>Rs. 9,250/-</b>
3	<b>Cost of B.O.Q. (In Rs.) :-</b>	<b>Rs. 750/-</b>
4	<b>Time of completion :- ( In Days)</b>	<b>15 Days</b>
5	<b>Date, time &amp; place for submission of Complete tender-</b>	<b>As Per NIT</b>
6	<b>Date and time for opening of tender-(Technical Bid)-</b>	<b>As Per NIT</b>
7	<b>Date &amp; Time for opening of Price Bid of Technically Suitable bidders.</b>	<b>As Per NIT</b>

<b>Sl. No.</b>	<b>BSR-2022</b>	<b>Item Description</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
1	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	3.60	30.70
2	15.52	Dismantling of flushing cistern of any size including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	Each	2.00	396.10
3	11.36	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (Thickness to be specified by the manufacture) of approved make in all colours, shades except burgundy , bottle green , black of any size as approved by Engineer-in-charge in skirting , risers of steps and dados over 12 mm thick bed of cement Motar 1:3(1 cement: 3 coarse sand ) and jointing with grey cement slurry @ 3.3 kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	sqm	3.60	795.00
4	17.7	Providing and fixing wash basin with C.I. brackets, 15mm C.P. brass taps 32mm, C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the wall and floor wherever required.			
a	17.7.2	White Vitreous china wash basin minimum size 630 mm x 400 mm single 15mm CP brass pillar tap	Each	2.00	2,369.90
5	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	Each	33.00	91.00

		rigid pipe 32 mm dia			
6	18.52.1	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.	each	16.00	594.80
7	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	14.00	108.00
8	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	8.00	905.50
9	21.8	Filling the gap in between aluminium frame & adjacent RCC/ Brick/ Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete.			
a	21.8.1	Upto 5mm depth and 5 mm width	mtr.	264.00	85.20
10	21.17	Providing and fixing anodised aluminium grill (anodized transparent or dyed to required shade according to IS: 1868 with minimum anodic coating of grade AC 15) of approved design/pattern, with approved standard section and fixed to the existing window frame with C.P. brass/ stainless steel screws @ 200 mm centre to centre, including cutting the grill to proper opening size for fixing and operation of handles and fixing approved anodised aluminium standard section around the opening, all complete as per requirement and direction of Engineer-in-charge. (Only weight of grill to be easured for payment).	kg	150.96	511.00
11	19.133.2	Non-asbestos multipurpose cement board reinforced with cellulose fibre manufactured through autoclaving process (high pressure steam cured) as per IS :14862 with suitable fibre cement screw			
a	19.133.2.1	8 mm thick	sqm	68.06	853.10
		<b>CIVIL NON-SCHEDULED ITEMS</b>			
12	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 Aerarchiectural drawings and directions oa engineer-incharge	sqm	68.96	.....
13	NSI	Providing and Fixing Pillar Cock Auto Closing System with 65 mm extension body all Complete. Jaguar Model PRS-031L65 or equivalent.	Each	13.00	.....
14	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	54.00	.....

15	NSI	Providing and Fixing Jet spray with 1 meter PVC Tube (Stainless steel) all complete. ESSCO Model ALE-547 or equivalent.	Each	60.00	.....
16	NSI	Providing and Fixing Bib Cock with wall flange all complete. Jaguar Model CON-047KN or equivalent.	Each	10.00	.....
17	NSI	Providing and Fixing Two way angle Cock with flange all Complete. PRAYAG Model no-PIS-11 H or equivalent.	Each	7.00	.....

**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-07**

**TENDER NOTICE NO.- Engg. /09/ EC/CW/Tender/2022-23)**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	<b>Wooden Flooring Work in Corridor and Lobby of Cardio Medicine Department at 3<sup>rd</sup> Floor of Polyclinic Building (North wing) at IGIMS,Patna-14</b>			
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>	<b>Rs. 4,20,128/-</b>			
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>	<b>Rs. 8,450/-</b>			
<b>3</b>	<b>Cost of B.O.Q. (In Rs.) :-</b>	<b>Rs. 750/-</b>			
<b>4</b>	<b>Time of completion :- ( In Days)</b>	<b>15 Days</b>			
<b>5</b>	<b>Date, time &amp; place for submission of Complete tender-</b>	<b>As Per NIT</b>			
<b>6</b>	<b>Date and time for opening of tender-(Technical Bid)-</b>	<b>As Per NIT</b>			
<b>7</b>	<b>Date &amp; Time for opening of Price Bid of Technically Suitable bidders.</b>	<b>As Per NIT</b>			
<b>Sl. No.</b>	<b>BSR-2022</b>	<b>Item Description</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
<b>1</b>	<b>9.48.1</b>	<b>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.</b>	<b>kg</b>	<b>350.00</b>	<b>144.50</b>
		<b>CIVIL NON SHEDULE ITEM</b>			
<b>2</b>	<b>NSI</b>	<b>Supply &amp; installation of Wooden flooring with bidding, where ever required inclusive of foam,Film, and all other related cost incurred in installation i.e. Taxes,fright charge etc.Make Armstrong or Equivalent</b>	<b>Sqm</b>	<b>95.00</b>	<b>.....</b>

**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**

**TENDER NOTICE NO.- Engg. /09/ EC/CW/Tender/2022-23)**

<b>Sl. No.</b>	<b>Name of the Work :-</b>	<b>Miscellaneous Work of different location in Hospital and Residential Area at IGIMS,Patna-14</b>
<b>1</b>	<b>Estimated Cost (In Rs.) :-</b>	<b>Rs. 3,44,122/-</b>
<b>2</b>	<b>Earnest Money (In Rs.) :-</b>	<b>Rs. 6,900/-</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>
<b>1</b>	<b>7</b>	Providing, laying, testing & commissioning of 'C' class heavy duty MS pipe conforming to IS 3589/IS:1239 including Welding, fittings like elbows, tees, flanges, tapers, nuts bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with two or more coats of synthetic enamel paint of required shade complete as required			
<b>a</b>	<b>7.7</b>	100 mm dia	mtr.	15.00	1,316.00
<b>2</b>	<b>18.25</b>	Providing and laying S&S C.I. standard specials such as tees, bends, collars, tapers, caps etc. (Heavy class) :			
<b>a</b>	<b>18.25.1</b>	Up to 300 mm dia	quintal	3.00	5,484.60
<b>3</b>	<b>15.23</b>	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.			
<b>a</b>	<b>15.23.1</b>	For thickness of tiles 10 mm to 25 mm	sqm	12.01	30.70
<b>4</b>	<b>15.52</b>	Dismantling of flushing cistern of any size including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead	each	4.00	396.10
<b>5</b>	<b>18.76</b>	Cutting holes up to 30x30 cm in walls including making good the same:			
<b>a</b>	<b>18.76.1</b>	With common burnt clay F.P.S. (non modular) bricks	each	14.00	198.50
<b>6</b>	<b>23.21</b>	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	cum	21.00	292.20

		dressed.			
7	15.3	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material within 50 metres lead:	Cum	0.99	1,411.20
8	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	1.00	823.70
9	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	2.63	3,998.10
10	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	0.40	5017.90
11	13.12.1	15 mm cement plaster on rough side of single or half brick wall of mix.1:3 (1 cement :3 coarse sand)	sqm.	17.87	190.00
12	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	12.01	686.80
13	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	8.58	283.30
14	13.18	15 mm cement plaster 1:3 (1 cement: 3 coarse sand ) finished with a floating coat of neat cement on the rough side of single or half brick wall	sqm	8.78	229.30
15	11.36	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (Thickness to be specified by the manufacture) of approved make in all colours, shades except burgundy , bottle green , black of any size as approved by Engineer-in-charge in skirting , risers of steps and dados over 12 mm thick bed of cement Motar 1:3(1 cement: 3 coarse sand ) and jointing with grey cement slurry @ 3.3 kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	sqm	8.00	795.00
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	98.88	9.70
17	13.77.2	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade .New work (two or more coats ) over and including priming coat with cement primer	sqm	98.88	102.30
18	13.78.2	Applying one coat of cement primer of approved brand and manufacture on wall surface: Distemper primer sqm	sqm	98.88	38.70
19	13.46	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade			

<b>a</b>	13.46A.1	New work (Two or more coat applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior	sqm	28.92	132.50
<b>20</b>	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.	25.00	81.10
<b>21</b>	12.50	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer non both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	sqm	9.73	625.10
<b>22</b>	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	88.50	144.50
<b>23</b>	13.81.1	With ready mixed pink or grey primer of approved brand and manufacture on wood work (hard and softwood	sqm.	266.67	39.70
<b>24</b>	13.93	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:			
<b>a</b>	13.93.1	Two or more coats on new work	sqm.	266.67	84.50
<b>25</b>	2.37.5	Treatment at points of contact of wood work by chemical emulsion chlordane. (in oil or kerosene based solution)@ 0.5 litres per hole by drilling 6 mm dia holes at downward angle of 45 degree at 150 mm centre to centre and sealing the same	mtr.	211.70	270.20
<b>26</b>	17.2	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :			
<b>a</b>	17.2.1	W.C. pan with ISI marked white solid plastic seat and lid		4.00	4,230.00
<b>27</b>	17.7	Providing and fixing wash basing with C.I. brackets 15mm C.P. brass pillar taps 32mm C.P. brass waste of standard pattern, including painting of fitting and brackets, cutting and making good the walls wherever require.			
<b>a</b>	17.7.1	White vitreous china wash basing size 630X450 mm with a pair of 15 mm C.P. brass pillar taps.	Each	2.00	2,764.40
<b>28</b>	17.28	Providing and fixing P.V.C. Waste pipe for Kitchen sink or wash basin including P.V.C. waste fitting complete.			
	17.28.1	Semi rigid pipe			
<b>a</b>	17.28.1.1	32 mm dia	Each	6.00	91.00

<b>29</b>	18.9	Providing and fixing chlorinated polyvinyl chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fitting this includes jointing of pipes & fitting with one step CPVC solvent cement, trenching, refilling & testing of joints complete as direction of engineer in charge. (External work)			
<b>a</b>	18.9.3	25 mm nominal outer dia pipes	metre	20.00	294.70
<b>b</b>	18.9.2	20 mm nominal outer dia pipes	metre	28.00	205.30
<b>30</b>	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) :			
<b>a</b>	18.46.2	20 mm nominal bore	each	7.00	185.60
<b>b</b>	18.46.3	25 mm nominal bore	each	8.00	265.90
<b>31</b>	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.			
<b>a</b>	12.78.2	110 mm diameter	metre	63.55	257.50
<b>32</b>	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.			
<b>a</b>	12.79.2	Coupler			
	12.79.2.2	110 mm	each	5.00	374.60
<b>b</b>	12.79.3	Single tee with door			
	12.79.3.2	110x110x110 mm	each	6.00	193.40
<b>c</b>	12.79.4	Single tee without door			
	12.79.4.2	110x110x110 mm	each	12.00	190.70
<b>d</b>	12.79.5	Band 87.5°			
	12.79.5.2	110mm bend	each	21.00	132.00
<b>e</b>	12.79.6	Shoe plain			
	12.79.6.2	110 mm shoe	each	6.00	115.95
<b>33</b>	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: 4 parts sand and making good the wall etc complete			
<b>a</b>	12.80.2	110 mm	each	21.00	182.72
<b>34</b>	18.53	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931			
<b>a</b>	18.53.1	15 mm nominal bore each	each	10.00	500.40
<b>35</b>	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931			
			each	8.00	434.20
<b>36</b>	18.58	Providing and fixing PTMT grating of approved quality and colour.			
<b>a</b>	18.58.1.2	125mm nominal dia with 25 mm waste hole.	Each	6.00	45.20

37	22.22A	Providing and applying fibre reinforced elastomeric liquid water proofing membrane with resilient acrylic polymers having Sun Reflectivity Index (SRI) of 105 on top of concrete roof in three coats @10.76 litre/ 10 sqm. One coat of self-priming of elastomeric waterproofing liquid (dilution with water in the ratio of 3:1) and two coats of undiluted elastomeric waterproofing liquid (dry film thickness of complete application/system not less than 500 microns). The operation shall be carried out after scrapping and properly cleaning the surface to remove loose particles with wire brushes, complete in all respect as per the direction of Engineer-in-Charge.	sqm	10.00	415.90
38		<b>Extra cost for carriage of Material</b>			
a		Sone Sand (45 km from Koelwar)	Cum	2.50	1,132.90
b		Stone Aggregate ,(110 Km From Gaya Manpur)	Cum	2.76	2,464.45
c		Bricks (7P+ 1K)	%o	0.58	840.43
d		Difference of Cost of Bricks	%o	0.58	1,420.51
e		Difference of Cost of Cement	tonn	1.486	234.62
		<b>CIVIL NON SCHEDULE ITEM</b>			
39	NSI	Providing and fixing <b>4mm thick ACP</b> 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 perarchitectural drawings and irections engineer-incharge	sqm	12.70	õ õ õ õ õ õ ..
40	NSI	Providing and Fixing Pillar Cock Auto Closing System with 65 mm extension body all Complete. Jaguar Model PRS-031L65 or equivalent.	Each	1.00	õ õ õ õ õ õ õ
41	NSI	Providing and Fixing Jet spray with 1 meter PVC Tube (Stainless steel) all complete. ESSCO Model ALE-547 or equivalent.	Each	4.00	õ õ õ õ õ õ õ ..
42	NSI	Providing and Fixing Two way angle Cock with flange all Complete. PRAYAG Model no-PIS-11 H or equivalent.	Each	5.00	õ õ õ õ õ õ ..
43	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	2.00	õ õ õ õ õ õ ..
44	NSI	Providing and Fixing Bib Cock with wall flange all complete. Jaguar Model CON-047KN or equivalent.	Each	3.00	õ õ õ õ õ õ õ

**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