

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14					
BILL OF QUANTITY-01					
<u>Notice Inviting Tender- 03 /IGIMS/ Engg Cell/CW/Tender/2024-25</u>					
Sl. No.	Name of the Work :-		Construction of Toilet Block North Side of Sanitation Office at IGIMS, Patna-14		
1	Estimated Cost (In Rs.) :-		Rs. 12,28,989/-		
2	Earnest Money (In Rs.) :-		Rs. 24,600/-		
3	Cost of B.O.Q. (In Rs.) :-		Rs. 2,500/-		
4	Time of completion :- (In Days)		30 Days		
5	Date, time & place for submission of Complete tender-		As Per NIT		
6	Date and time for opening of tender-(Technical Bid)-		As Per NIT		
7	Date & Time for opening of Price Bid of Technically Suitable bidders.		As Per NIT		
Sl. No.	BSR-2022	Item Description	Unit	Qty.	Rate
1	15.3	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material withing 50 metres lead:	Cum	2.00	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	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	6.56	360.70
4	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	3.28	49.40
5	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete	Cum	12.68	287.30
6	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	42.25	283.30
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	4.23	3998.10
8	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	9.00	4688.30

9	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	55.61	404.70
10	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	384.57	94.50
b	5.22.7B	Thermo-Mechanically Treated bars TMTC-500-10mm	kg	600.00	92.60
11	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	4.35	5017.90
12	6.3A	Extra for Brick work in superstructure above plinth level upto floor V level	Cum	4.35	842.20
13	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.	76.86	599.30
14	6.19a	Extra for half Brick masonry in superstructure above pinth level upto floor V level.	Sqm.	76.86	89.70
15	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.	76.86	176.40
16	13.11.2	Cement plaster in course sand 12 mm cement plaster of mix:1:4(1 cement :4 coarse sand)	Sqm.	76.86	152.90
17	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	49.00	625.10
18	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.	10.50	396.80
19	11.39	Providing and laying Ceramic glazed floor tiles 400x400 mm (thickness to be specified by the manufacturer) of 1 st quality conforming to IS : 13755 of NITCO , ORIENT , SOMANY , KAJARIA or equivalent 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 grouting the joints with white cement and matching pigments etc, complete.	sqm	42.25	1329.80
20	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	110.88	795.00
21	7.38	Stone tile work for wall lining upto 10.0m height with special adhesive like araldite or equivalent over 12 mm thick bed of cement mortar 1:3 (1cement: 3 coarse sand) including pointing in-white cement with an admixture of			

		pigment to match the stone shade			
a	7.38.1.1	8 mm thick (mirror polished and machine cut edge) Granite black stone	sqm.	10.12	1900.90
22	9.133.2	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	9.133.2.1	8 mm thick	sqm.	49.00	853.10
23	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.	1000.00	9.70
24	26.86	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid door/window/Ceometry windows & other Frames/Chowkhat comprising of virgin PVC 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) fabricated with miter joints after applying PVC solvent cement and screwed with full body threaded star headed SS screws having minimum frame density of 750 kg/cum, screw withdrawal strength of 2200 N (Face) & 1100 N (Edge), minimum compressive strength of 58 N/mm, modulus of elasticity 900 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 fixed in position with M.S hold fast/lugs/SS dash fasteners of required dia and length complete as per direction of Engineer-In- Charge. (M.S hold fast/lugs or SS dash fasteners shall be paid for Separately			
a		Note: For WPC solid door/window frames, minus 5mm tolerance in dimensions i.e. depth and width of profile shall be acceptable. Variation in profile dimensions on plus side shall be acceptable but no extra payment on this account shall be made.			
i	26.86.1	Frame size 45 x 70 mm	mtr.	20.40	567.50
25	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.	6.30	3866.50
26	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	1183.13	123.90
27	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	713.545	144.50

28	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.	299.00	81.10
29	13.46a	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	250.00	132.50
30	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	150.00	84.50
31	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	57.33	386.10
32	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 aluminium snap beading shall be paid in basic item.)			
a	21.3.2	Float glass panes. 5.5 mm thick glass pane.	sqm	7.56	1115.10
33	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)			
a	18.9.4	32 mm nominal outer dia Pipes	metre	85.00	359.10
b	18.9.3	25 mm nominal outer dia pipes	metre	55.00	294.70
c	18.9.2	20 mm nominal outer dia pipes	metre	80.00	205.30
34	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	6.00	185.60
b	18.46.3	25 mm nominal bore	each	8.00	265.90
c	18.46.4	32 mm nominal bore	each	6.00	306.00
35	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	48.00	257.50
36	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	12.79.3	Single tee with door			
i	12.79.3.2	110 mm	each	4.00	193.40
b	12.79.5	Band 87.5°			
i	12.79.5.1	75mm bend	each	4.00	91.80
ii	12.79.5.2	110mm bend	each	8.00	132.00
37	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	4.00	91.00
38	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	6.00	45.20
39	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :	Each	4.00	434.20
40	18.50	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810gms.			
a	18.50.1	15 mm nominal bore	Each	4.00	715.10
41	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
42	18.18	Providing and fixing ball valve (brass)of approved quality High or Low Pressur, with plastic floats complete.			
a	18.18.3	25 mm nominal bore (3 no. of floor)	Each	2.00	399.20
43	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	4.00	1068.50
44	9.82	Supply and fixing bright finished brass hanging type floor door stopper with necessary screws etc complete	Each	4.00	108.10
45	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
46	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
47	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. complete:100mm	Each	8.00	50.30
48	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	8.00	108.00
49	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
50	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	4230.00
51	17.10	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	3.00	4470.90
52	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	5.76	1775.30
53		<u>Carriage of the following material</u>			
a		Local Sand	Cum	14.00	310.47
b		Sone Sand (45 km from Koelwar)	Cum	15.50	1132.90
c		Stone Aggregate ,	Cum	12.10	2464.45
d		Bricks (7P+ 1K)	%o	8.05	840.43
e		Difference of Cost of Bricks	%o	8.05	1420.51
f		Difference of Cost of Cement	tonn	13.36	234.62
		<u>CIVIL NON SHEDULE ITEM</u>			
54	NSI	Providing and Fixing Angular Stop Cock with wall flange all Complete. Jaguar Model FLR-5053N or equivalent.	Each	4.00
55	NSI	Providing and Fixing Pillar Cock Auto Closing System with 65 mm extension body all Complete. Jaguar Model PRS-031L65 or equivalent.	Each	4.00
56	NSI	Providing and Fixing Two way angle Cock with flange all Complete. PRAYAG Model no-PIS-11 H or equivalent.	Each	2.00
57	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

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					
<u>Notice Inviting Tender- 03 /IGIMS/ Engg Cell/CW/Tender/2024-25</u>					
Sl. No.	Name of the Work :-		Repair, Painting and Renovation Work of Department of Ortho Office (Room No 325) at 3rd Floor of Ward Block at IGIMS, Patna-14		
1	Estimated Cost (In Rs.) :-		Rs. 5,43,902/-		
2	Earnest Money (In Rs.) :-		Rs. 10,900/-		
3	Cost of B.O.Q. (In Rs.) :-		Rs. 1,250/-		
4	Time of completion :- (In Days)		30 Days		
5	Date, time & place for submission of Complete tender-		As Per NIT		
6	Date and time for opening of tender-(Technical Bid)-		As Per NIT		
7	Date & Time for opening of Price Bid of Technically Suitable bidders.		As Per NIT		
Sl. No.	BSR-2022	Item Description	Unit	Qty.	Rate
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	24.84	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.	24.84	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	248.40	9.70
4	13.77.3	Distempering with oil bound washable Distemper of approved brand and manufacture to give an even shade .Old work (one or more coats)	Sqm	248.40	33.20
5	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm.	248.40	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.	49.68	54.30
7	9.1.2	Providing sal wood work in frame of doors(choukhats) and fixed in position.	cum	0.30	95670.70
8	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	5.00	979.50
9	9.82	Supply and fixing bright finished brass hanging type floor door stopper with necessary screws etc complete	Each	10.00	108.10
10	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 tor glazing/paneling, C.P. brass/stainless steel screws, all complete as per architectural drawings and the	kg	45.00	386.10

		directions of Engineer-in-charge. (GlazingFor fixed portion and panelling to be paid for separately			
11	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
12	11.41.2	Providing and laying vitrified floor tiles in different sizes {thickness to be specified by the manufactruer) with water absorption's less than 0.08 % and conforming to IS : 15622 of approved make in all colours and shades, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) including grouting the joint with white cement and matching pigments etc.complete.Size of			
a		Tile 600x600 mm.	sqm	105.52	1638.80
13	11.42	Deduct for not using 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) bedding in laying of floor tiles	sqm.	105.52	-480.60
14	11.43	Fixing glazed/ Ceramic/ Vitrified floor tiles with cement based high polymer modified quick-set tile adhesive (Water based) conforming to IS: 15477, in average 3 mm thickness.	sqm.	105.52	446.80
15	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	0.50	3998.10
16	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	1.0mm thick	sqm	120.00	669.00
17	9.81	Providing and fixing bright finished brass handles with screws etc. complete:			
a	9.81.1	125mm	each	20	202.10
b	9.81.2	100mm	each	20.00	186.90
18	9.61.	Providing M.S. Piano hinges ISI marked IS : 3818 finished with nickel plating and fixing with necessary screws etc., complete			
a	9.61.2	Overall width 50 mm	Rmt.	15.00	177.50
19	9.63	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete:			
a	9.63.4	100x10 mm	each	20.00	35.40
20	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	20.00	222.00
21	9.114	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. Complete			
a	9.114.2	Double strip (horizontal type)	each	20.00	34.10
22	9.116	Providing and fixing sliding arrangement in racks/ cupboards/cabinets shutter by with stainless steel rollers to run inside C or E aluminium channel section (The payment of C or E channel shall be made separately)	each	20.00	17.70
23	9.115	Providing and fixing powder coated telescopic drawer channels 300 mm long with necessary screws etc.	each	20.00	355.00

		complete as per directions of Engineer-in-charge.			
24	9.80.	Providing and fixing 50 mm bright finished brass cup board or wardrobe knob of approved quality with	each	15.00	56.70
25	9.82	supply and fixing bright finished brass hanging type floor door stopper with necessary screws etc complete.	Each	15.00	108.10
26	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	5.00	210.10
27	9.97	Providing and fixing aluminium sliding tower bolt anodised(anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with nuts and screws etc. complete:			
a	9.97.1	300x10 mm	Each	5.00	111.40
28	9.100.1	Providing and fixing aluminium handles anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with necessary screws etc. complete:100mm	Each	5.00	57.10
29	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	9.00	1115.10
30		Carrage of the following material			
a		Sone Sand (45 km from Koelwar)	Cum	3.00	1132.90
b		Difference of Cost of Cement	tonn	2.035	234.62
		<u>CIVIL NON SHEDULE ITEM</u>			
31	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	2.889
32	NSI	Providing and fixing 12mm thick Centutary/Green ply of approved brand. For cup-board , ward robe , partition / panelling Etc. All complete as per architectural drawings and directions of engineer-in-charge	sqm	29.00
33	NSI	Providing and fixing 19 mm thick entutary/Green ply of approved brand. For cup-board , ward robe , partition / panelling Etc. All complete as per chiectural drawings and directions of engineer-in-charge	sqm	35.91

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.

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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-03					
<u>Notice Inviting Tender- 03 /IGIMS/ Engg Cell/CW/Tender/2024-25</u>					
Sl. No.	Name of the Work :-		Making Wooden Cup Board in Old Cath Lab at 1st Floor of Diagnostic Block IGIMS, Patna-14		
1	Estimated Cost (In Rs.) :-		Rs. 1,32,855/-		
2	Earnest Money (In Rs.) :-		Rs. 2,700/-		
3	Cost of B.O.Q. (In Rs.) :-		Rs. 500/-		
4	Time of completion :- (In Days)		15 Days		
5	Date, time & place for submission of Complete tender-		As Per NIT		
6	Date and time for opening of tender-(Technical Bid)-		As Per NIT		
7	Date & Time for opening of Price Bid of Technically Suitable bidders.		As Per NIT		
Sl. No.	BSR-2022	Item Description	Unit	Qty.	Rate
1	15.39	Dismantling wooden boardings in lining of walls and partitions,excluding supporting members but including stacking within 50metres lead.			
a	15.39.3	Thickness above 25 mm upto 40 mm	Sqm.	32.15	38.70
2	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	64.30	669.00
3	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	10.00	44.80
4	9.91	Providing and fixing chromium plated brass 50 mm cupboard or wardrobe knobs with nuts complete	each	10.00	115.50
5	9.81	Providing and fixing bright finished brass handles with screws etc. complete:			
a	9.81.2	100mm	each	15.00	186.90
6	9.61.	Providing M.S. Piano hinges ISI marked IS : 3818 finished with nickel plating and fixing with necessary screws etc., complete			
a	9.61.2	Overall width 50 mm	Rmt.	5.00	177.50
7	9.115	Providing and fixing powder coated telescopic drawer channels 300 mm long with necessary screws etc. complete as per directions of Engineer-in-charge.	each	8.00	355.00
8	9.63	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete:			
a	9.63.4	100x10 mm	each	10.00	35.40

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14					
BILL OF QUANTITY-04					
<u>Notice Inviting Tender- 03 /IGIMS/ Engg Cell/CW/Tender/2024-25</u>					
Sl. No.	Name of the Work :-		Providing and Fixing UPVC Gate and Window in RIO Ward of New Building of RIO at IGIMS, Patna-14		
1	Estimated Cost (In Rs.) :-		Rs. 2,44,036/-		
2	Earnest Money (In Rs.) :-		Rs. 4,900/-		
3	Cost of B.O.Q. (In Rs.) :-		Rs. 500/-		
4	Time of completion :- (In Days)		15 Days		
5	Date, time & place for submission of Complete tender-		As Per NIT		
6	Date and time for opening of tender-(Technical Bid)-		As Per NIT		
7	Date & Time for opening of Price Bid of Technically Suitable bidders.		As Per NIT		
Sl. No.	BSR-2022	Item Description	Unit	Qty.	Rate
1	9.147.C	Providing and fixing factory made UPVC white colour casement/ Casement cum fixed glazed door comprising of uPVC multi-chambered frame, sash and mullion (where ever required) extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), uPVC extruded glazing beads of appropriate dimension, EPDM gasket, zinc alloy (white powder coated) 3D hinges and one handle on each side of panels along with zinc plated mild steel multi point locking having transmission gear, cylinder with keeps and one side key, G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws, etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, mullion (if required) shall be also fusion welded including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes and silicon sealant shall be paid separately). Note: For uPVC frame, sash and mullion extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable.			
a	9.147C.1	Casement door with 3D hinges made of (big series) frame 67 x 64 mm & sash 67 x 110 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension. (Area of door upto 2.00 sqm)	sqm.	16.06	9725.50
2	9.147D.1	Providing and fixing factory made UPVC white colour sliding glazed window upto 1.50 m in height dimension comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension of uPVC extruded glazing beads and uPVC extruded interlocks, EPDM gasket, wool pile, zinc alloy (white			

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14					
BILL OF QUANTITY-05					
<u>Notice Inviting Tender- 03 /IGIMS/ Engg Cell/CW/Tender/2024-25</u>					
Sl. No.	Name of the Work :-		Aluminium Partition Work Office ACCU Office Cabin at IGIMS, Patna-14		
1	Estimated Cost (In Rs.) :-		Rs. 1,23,996/-		
2	Earnest Money (In Rs.) :-		Rs. 2,500/-		
3	Cost of B.O.Q. (In Rs.) :-		Rs. 500/-		
4	Time of completion :- (In Days)		15 Days		
5	Date, time & place for submission of Complete tender-		As Per NIT		
6	Date and time for opening of tender-(Technical Bid)-		As Per NIT		
7	Date & Time for opening of Price Bid of Technically Suitable bidders.		As Per NIT		
Sl. No.	BSR-2022	Item Description	Unit	Qty.	Rate
1	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	185.07	386.10
2	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	31.50	826.90
3	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 aluminium snap beading shall be paid in basic item.)			
a	21.3.2	Float glass panes. 5.5 mm thick glass pane.	sqm	7.20	1115.10
4	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	4.00	979.50
5	9.82	Supply and fixing bright finished brass hanging type floor door stopper with necessary screws etc complete	Each	4.00	108.10

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14					
BILL OF QUANTITY-06					
<u>Notice Inviting Tender- 03 /IGIMS/ Engg Cell/CW/Tender/2024-25</u>					
Sl. No.	Name of the Work :-		Replacement of Damaged Tiles in Library 2 nd Floor Computer Room in New Medical College Building “at IGIMS, Patna-14		
1	Estimated Cost (In Rs.) :-		Rs. 1,48,358/-		
2	Earnest Money (In Rs.) :-		Rs. 3,000/-		
3	Cost of B.O.Q. (In Rs.) :-		Rs. 500/-		
4	Time of completion :- (In Days)		15 Days		
5	Date, time & place for submission of Complete tender-		As Per NIT		
6	Date and time for opening of tender-(Technical Bid)-		As Per NIT		
7	Date & Time for opening of Price Bid of Technically Suitable bidders.		As Per NIT		
Sl. No.	BSR-2022	Item Description	Unit	Qty.	Rate
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	82.65	30.70
2	11.49	Providing and laying vitrified floor tiles in different sizes {thickness to be specified by the manufactruer) with water absorption's less than 0.08 % and conforming to IS : 15622 of approved make in all colours and shades, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) including grouting the joint with white cement and matching pigments etc.complete.Size of			
a	11.49.2	Tile 600x600 mm.	sqm	82.65	1,638.80
3		<u>Extra cost for carriage of Material</u>			
a		Sone Sand (45 km from Koelwar)	Cum	2.10	1,132.90
b		Difference of Cost of Cement	tonn	1.91	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.

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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-07					
<u>Notice Inviting Tender- 03 /IGIMS/ Engg Cell/CW/Tender/2024-25</u>					
Sl. No.	Name of the Work :-		Repair of Aluminium Partition Near Auditorium Entry Gate, Provision of Sliding Window in Mortuary, WPC Door in General Medicine Bathroom and Ply Work in ACCU Cardio at IGIMS, Patna-14		
1	Estimated Cost (In Rs.) :-		Rs. 1,34,215/-		
2	Earnest Money (In Rs.) :-		Rs. 2,700/-		
3	Cost of B.O.Q. (In Rs.) :-		Rs. 500/-		
4	Time of completion :- (In Days)		15 Days		
5	Date, time & place for submission of Complete tender-		As Per NIT		
6	Date and time for opening of tender-(Technical Bid)-		As Per NIT		
7	Date & Time for opening of Price Bid of Technically Suitable bidders.		As Per NIT		
Sl. No.	BSR-2022	Item Description	Unit	Qty.	Rate
1	15.60	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	cum	6.50	219.30
2	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	0.75	5,017.90
3	13.11.2	Cement plaster in course sand 1:4(1 cement :4 coarse sand)	sqm.	7.56	152.90
4	4.1	Providing and laying in position cement concrete of specified grade exluding the cost of centring and shuttering-all work upto plinth level.			
a	4.1.3	1:2:4(1 Cement: 2 coarse sand:4 graded stone aggregate 20 mm nominal size)	cum	0.65	3,998.10
5	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	213.65	144.50
6	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	50.00	84.50
7	26.86	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid door/window/Ceasotory windows & other Frames/Chowkhat comprising of virgin PVC 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) fabricated with miter joints after applying PVC solvent cement and screwed with full body threaded star headed SS screws having minimum frame density of 750 kg/cum, screw withdrawal strength of 2200 N (Face) & 1100 N (Edge), minimum compressive strength of 58 N/mm, modulus of elasticity 900 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 fixed in position with M.S hold fast/lugs/SS dash fasteners of required dia and length complete as per direction of Engineer-In- Charge. (M.S hold fast/lugs or SS dash fasteners shall be paid for Separately).			
a		Note: For WPC solid door/window frames, minus 5mm tolerance in dimensions i.e. depth and width of profile shall be acceptable. Variation in profile dimensions on plus side shall be acceptable but no extra payment on this account shall be made.	mtr	10.40	567.50
i	26.86.1	Frame size 45 x 70 mm			
8	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-In- Charge. {Note: stainless steel butt hinges and necessary S.S screws shall be paid separately			
a	26.87.1	30 mm thick	sqm	3.36	3,866.50
9	21.1.1	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)			
a	21.1.1.1	Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	kg.	56.59	386.10
10	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	8.00	222.00
11	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	16.00	355.00
12	9.92	Providing and fixing chromium plated brass handles with necessary screws etc. complete:			
a	9.92.1	125 mm	each	11.00	223.50
13	17.20	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 :			

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14					
BILL OF QUANTITY-08					
<u>Notice Inviting Tender- 03 /IGIMS/ Engg Cell/CW/Tender/2024-25</u>					
Sl. No.	Name of the Work :-		Making Faculty cabin in Community Medicine Department 2nd Floor of New medical college Building at IGIMS, Patna -14		
1	Estimated Cost (In Rs.) :-		Rs. 7,59,003/-		
2	Earnest Money (In Rs.) :-		Rs. 15,200/-		
3	Cost of B.O.Q. (In Rs.) :-		Rs. 1,250/-		
4	Time of completion :- (In Days)		30 Days		
5	Date, time & place for submission of Complete tender-		As Per NIT		
6	Date and time for opening of tender-(Technical Bid)-		As Per NIT		
7	Date & Time for opening of Price Bid of Technically Suitable bidders.		As Per NIT		
Sl. No.	BSR-2022	Item Description	Unit	Qty.	Rate
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	127.52	9.70
2	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	127.52	33.20
3	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm.	127.52	38.70
4	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
5	21.1.1	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)			
	21.1.1.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	kg.	581.95	418.40
6	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	kg	39.80	511.00

		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).			
7	21.2.2	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.	sqm	72.60	826.90
8	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	26.40	1,115.10
9	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	24.00	222.00
10	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	24.00	44.80
11	9.74	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete			
a	9.74.4	100x10mm	each	18.00	155.30
12	9.92	Providing and fixing chromium plated brass handles with necessary screws etc. complete:			
a	9.92.2	100 mm	each	24.00	196.20
13	9.115	Providing and fixing powder coated telescopic drawer channels 300 mm long with necessary screws etc. complete as per directions of Engineer-incharge.	each	36.00	355.00
14	14.40	Providing and fixing chromium plated brass butt hinges with necessary chromium plated brass screws etc. complete.			
a	14.40.1	125x70x4 mm (ordinary type)	each	72.00	160.70
15	9.83	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.	each	6.00	979.50
16	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	1mm thick	Sqm	194.40	669.00
17	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
18	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	12.00	210.10
19	9.101	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete.			

a	9.101.2	Twin rubber stopper	each	6.00	60.80
		<u>CIVIL NON SHEDULE ITEM</u>			
20	NSI	Providing and fixing 12mm thick Centutary/Green ply of approved brand. For cup-board , ward robe , partition / paneling Etc. All complete as per architectural drawings and directions of engineer-incharge .	sqm	18.00
21	NSI	Providing and fixing 19mm thick Centutary/Green ply of approved brand. For cup-board , ward robe , partition / paneling Etc. All complete as per architectural drawings and directions of engineer-incharge	sqm	79.20

Quoted Rates:for schedule item

d- í í í í í í % above

e- í í í í í í % below

f- 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- 03 /IGIMS/ Engg Cell/CW/Tender/2024-25					
Sl. No.	Name of the Work :-		Repair, Renovation work of 4.0 nos ward Block duct at IGIMS,patna-14		
1	Estimated Cost (In Rs.) :-		Rs. 5,64,746/-		
2	Earnest Money (In Rs.) :-		Rs. 11,300/-		
3	Cost of B.O.Q. (In Rs.) :-		Rs. 1,250/-		
4	Time of completion :- (In Days)		30 Days		
5	Date, time & place for submission of Complete tender-		As Per NIT		
6	Date and time for opening of tender-(Technical Bid)-		As Per NIT		
7	Date & Time for opening of Price Bid of Technically Suitable bidders.		As Per NIT		
Sl. No.	BSR-2022	Item Description	Unit	Qty.	Rate
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	7.64	823.70
2	15.3	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material withing 50 metres lead:	cum	5.42	1,411.20
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	9.08	4,923.00
4	6.3C	Extra tor Brick work in superstructure above plinth level upto floor V	Cum	9.08	842.20
5	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	8.90	599.30
6	6.19B	Extra for half Brick masonry in superstructure above pinth level upto floor V level.	sqm	8.90	89.70
7	5.2	Reinforced cement concrete work in wall (any thickness), including attached plasters, uttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts, etc. upt floor five level excluding cost of centring, shuttering, finishin and reinforcement			
a	5.2.2	1:1:5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate 20mm nominal size)	Cum	0.60	5,670.00
8	5.22	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.			
a	5.22.7B	Thermo-Mechanically Treated bars TMTC-500-10mm dia.	kg	54.84	92.60
9	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	8.24	404.70
10	13.11.2	Cement plaster in course sand 12 mm cement plaster of mix:1:4(1 cement :4 coarse sand)	Sqm.	109.04	152.90
11	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	4.81	3,998.10
12	22.3	Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C. kitchen and the like consisting of: (i) 1st course of applying cement slurry @ 4.4 kg/sqm mixed with water proofing compound conforming to IS 2645 in recommended proportions. (ii) 2nd course of 20 mm cement plaster 1:3 (1 cement:3 coarse sand)mixed with water proofing compound in recommended proportion, (iii) 3rd course of applying blown or/residual bitumen applied hot at 1.7 kg. per sqm of area, (iv) 4th course of 400 micron thick PVC sheet.(Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 kg/sqm).	sqm	132.17	480.60
13	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	871.84	144.50
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	12.78.2	110 mm diameter	metre	250.60	257.50
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	12.79.5	Band 87.5			
i	12.79.5.2	110mm	each	64.00	132.00
16	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	40.00	292.20
17	14.81	Cutting holes of required size in brick masonry wall for fixing of exhaust fan including providing and fixing 300 mm dia PVC pipe conforming BIS-12818 and making good the same etc. complete as per direction of Engineer-in-charge.	Each	72.00	136.40
18	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	24.00	399.20
19	19.3	Constructing brick masonry chamber for underground C.I.inspection chamber and bends with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg),R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1cement : 3 coarse sand), finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design :			
a	19.30.2	Inside dimensions 500x700 mm and 45 cm deep for pipe line with one or two inlets :			
I	19.30.2.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	8.00	5,107.40
20		<u>Extra cost for carriage of Material</u>			
a		Sone Sand (45 km from Koelwar)	Cum	7.00	1,132.90

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14					
BILL OF QUANTITY-10					
Notice Inviting Tender- 03 /IGIMS/ Engg Cell/CW/Tender/2024-25					
Sl. No.	Name of the Work :-		Providing Drain for Hospital 04 & 05 and other Miscellaneous Work in B-Type Campus at IGIMS, Patna-14		
1	Estimated Cost (In Rs.) :-		Rs. 4,25,464/-		
2	Earnest Money (In Rs.) :-		Rs. 8,600/-		
3	Cost of B.O.Q. (In Rs.) :-		Rs. 750/-		
4	Time of completion :- (In Days)		30 Days		
5	Date, time & place for submission of Complete tender-		As Per NIT		
6	Date and time for opening of tender-(Technical Bid)-		As Per NIT		
7	Date & Time for opening of Price Bid of Technically Suitable bidders.		As Per NIT		
Sl. No.	BSR-2022	Item Description	Unit	Qty.	Rate
1	15.1	Demolishing cement concrete including disposal of material within 50 metre lead:			
a	15.2.1	1:3:6 or richer mix	cum	14.00	970.90
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	25.00	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	170.00	9.70
4	13.77.3	Distempering with oil bound washable Distemper of approved brand and manufacture to give an even shade .Old work (one or more coats)	sqm	170.00	33.20
5	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm.	170.00	38.70
6	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.	120.00	84.50
7	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
8	19.3	Constructing brick masonry chamber for underground C.I. inspection chamber and bends with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg), R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand), finished smooth with a floating coat of neat cement on walls and bed concrete etc.			

		complete as per standard design :			
a	19.30.1 I	inside dimensions 455x610 mm and 45 cm deep for single pipe line : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	6.00	4,266.80
9	18.34	Constructing masonry Chamber 90x90x100 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100mm top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) , i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design :			
10	18.34.1	With common burnt clay F.P.S.(non modular) bricks of class designation 100A	each	1.00	13,559.90
11	2.25	Pumping out water caused by springs, tidal or river seepage, broken water mains or drains and the like.	Kl	591.00	107.20
12	19.19	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality			
a	19.19.1.1	Rectangular shape 600x450 mm internal dimensions each	each	53.00	1,120.60
13	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	15.00	360.70
14	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	11.60	123.90
15	19.6	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete :			
16	19.6.2	150 mm dia. R.C.C. pipe	mtr	32.00	410.70
17	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	551.45	123.90
18	18.36	Constructing masonry Chamber 60x45x50 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for water meter complete with C.I. double flap surface box 400x200x200 mm (inside) with locking arrangement and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) , i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand:10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design :			
a	18.36.1	With common burnt clay F.P.S.(non modular) bricks of class designation 100A	each	6.00	7,401.00
19	5.22	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.		-	
b	5.22.7B	Thermo-Mechanically Treated bars TMTC-500-10mm dia.	kg	35.60	92.60
20	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	14.79	404.70

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14					
BILL OF QUANTITY-11					
Notice Inviting Tender- 03 /IGIMS/ Engg Cell/CW/Tender/2024-25					
Sl. No.	Name of the Work :-		Repair and Painting Work of Newly Allotted Quarter No. Old MDH 1/8, 2/10, 2/4, 1/6, 4/7, 4/4, 3/5, 1/4, and New MDH 23, 15, 31, 36, 34, 24, 14, 32, 5 at IGIMS, Patna-14		
1	Estimated Cost (In Rs.) :-		Rs. 3,24,715/-		
2	Earnest Money (In Rs.) :-		Rs. 6,500/-		
3	Cost of B.O.Q. (In Rs.) :-		Rs. 750/-		
4	Time of completion :- (In Days)		15 Days		
5	Date, time & place for submission of Complete tender-		As Per NIT		
6	Date and time for opening of tender-(Technical Bid)-		As Per NIT		
7	Date & Time for opening of Price Bid of Technically Suitable bidders.		As Per NIT		
Sl. No.	BSR-2022	Item Description	Unit	Qty.	Rate
1	4.1	Providing and laying in position cement concrete of specified grade exluding the cost of centring and shuttering-all work upto plinth level.			
a	4.1.3	1:2:4(1 Cement: 2 coarse sand:4 graded stone aggregate 20 mm nominal size)	cum	1.00	3,998.10
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	229.00	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	2,448.00	9.70
4	13.77.3	Distempering with oil bound washa ble Distemper of approved brand and manufacture to give an even shade .Old work (one or more coats)	sqm	2,448.00	33.20
5	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm.	2,448.00	38.70
6	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.	229.00	81.10
7	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.	207.00	54.30
a	9.21.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	sqm	4.20	1,775.30
8	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
9	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	16.00	91.00

