

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-01

SHORT URGENT TENDER NOTICE NO.- Engg. /17/ EC/CW/Tender/2022-23

Sl. No.	Name of the Work :-		Providing & Fixing 200 nos. seating bench for patient & attendant in different locations of Hospital area at IGIMS, Patna-14.		
1	Estimated Cost (In Rs.) :-		Rs. 16,76,520/-		
2	Earnest Money (In Rs.) :-		Rs. 33,600/-		
3	Cost of B.O.Q. (In Rs.) :-		Rs. 5,000/-		
4	Time of completion :- (In Days)		45 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	10.16.1	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: Hot finished welded type tube	kg	9,652.00	123.90
2	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	506.00	54.30
3	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	207.00	669.00
	-	<u>Non-Scheduled Item</u>			
4	NSI	Providing and fixing 19mm 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-incharge	sqm	135.00	

Quoted Rates:for schedule item

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

NOTE:-

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

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

Signature of Contractor

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

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-02

SHORT URGENT TENDER NOTICE NO.- Engg. /17/ EC/CW/Tender/2022-23

Sl. No.	Name of the Work :-	Making Rack/Shelves Set-Up for Pharmacy in SCI Building at IGIMS, Patna-14
1	Estimated Cost (In Rs.) :-	Rs. 10,19,496/-
2	Earnest Money (In Rs.) :-	Rs. 20,400/-
3	Cost of B.O.Q. (In Rs.) :-	Rs. 2,500/-
4	Time of completion :- (In Days)	45 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	26.89	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid board one side white colour and other side of board laminated with PVC foil of minimum 14 micron thickness of approved design pasted with hot melt adhesive for cup boards, work stations and bathroom/kitchen cabinet etc. of required sizes comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ icehusk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm, modulus of elasticity 850 N/mm and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixing with stainless steel piano hinges/soft close clip on concealed 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 piano hinges/soft close clip on concealed hinges and necessary S.S screws shall be paid separately)			
a	26.89.1	18 mm thick	sqm	260.00	2,625.10
b	26.89.2	25 mm thick	sqm	50.00	3,441.20
2	26.9	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid plain white color board for backing of cup boards and bathroom/kitchen cabinets etc. of required size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/mrice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm, modulus of elasticity 850 N/mm and resistance to spread of flame of Class A category with property of being termite/borer proof,			

		water/moisture proof and fire retardant and fixing with stainless steel screws etc. all as per direction of Engineer-In- Charge. (Note: stainless steel screws shall be paid separately)			
a	26.90.2	12 mm thick	sqm	22.60	1,454.90
3	9.53	Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm diameter bolts,nuts and wooden plugs and embeddings in cement concrete block 30x10x15 cm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	Each	56.00	130.80
4	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	5.00	1,115.10
5	12.52X	Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanisedbutterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge			
a	12.52X.1	GI Metal Ceiling Lay in plain Tegular edge Global white color tiles of size 595x595 mm, and 0.5 mm thick with 8 mm drop; made of G I sheet having galvanizing of 100 gms/sqm (both sides inclusive) and electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending.	Sqm	30.29	1348.40
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.	20.00	81.10
7	13.80.	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. Complete	Sqm	775.00	9.70
8	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	775.00	33.20
9	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm.	775.00	38.70
10	9.81	Providing and fixing bright finished brass handles with screws etc. complete:			
a	9.81.1	100mm	each	20.00	202.10
11	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
12	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
13	9.80	Providing and fixing 50 mm bright finished brass cup board or wardrobe knob of approved quality with	each	18.00	56.70
14	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.	12.000	177.50
15	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	18.00	35.40
16	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	18.00	44.80

Quoted Rates:for schedule item

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

NOTE:-

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Signature of Contractor

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

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-03

SHORT URGENT TENDER NOTICE NO.- Engg. /17/ EC/CW/Tender/2022-23

Sl. No.	Name of the Work :-	Provision of Trolley Shade Near Emergency, SCI & I.G. Park at IGIMS, Patna-14
1	Estimated Cost (In Rs.) :-	Rs. 9,86,135/-
2	Earnest Money (In Rs.) :-	Rs. 19,800/-
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	15.3	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material within 50 metres lead:	Cum	4.00	1411.20
2	2.8.1	Earth work in excavation in foundation trenches or drains(not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m . including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of Soil	cum	8.00	360.70
3	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete	Cum	5.63	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.	22.68	283.30
5	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	4.04	3998.10
6	5.1	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of ng,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)	cum	8.60	4688.30
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	kg	79.36	94.50
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	15.00	404.70
9	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	2520.15	123.90
10	9.48.1	Providing and fixing M.S. grills of requirement pattern in frames of windows etc. with M.S. flats, square or round bars etc. All complete.	kg	1965.00	144.50
11	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	100.00	625.10
12	12.51	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15- 18 microns using self drilling/ self tapping screws complete :			
a	12.51.1	Ridges plain (500 - 600mm)	sqm.	3.66	396.80
b	12.51.1.4	Barge board (Upto 300 mm)	mtr.	35.00	355.70
13	13.93.1	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:Two or more coats on new work	sqm	197.18	84.50
14	6.1.12/1	Brick work with bricks of class designation 100A in foundations and plinth in : Cement mortar 1 :.4 (1 cement: 4 coarse sand).	Cum	1.40	5017.90
15	6.3A	Extra for Brick work in superstructure above plinth level upto floor V	Cum	1.40	842.20
16	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.	44.00	176.40
17	9.128	Providing and fixing factory made Fiber glass Reinforced plastics (F.R.P.) chajja 4 mm thick of required colour, size and design made by Resin Transfer Moulding (RTM) Machine Technology, resulting in void free compact laminate in single piece, having smooth gradual slope curvature for easy drainage of water and duly reinforced by 2 nos vertically and 1nos horizontally 50x2 mm thick M.S. flat with 12 mm in built hole for grouting on the existing wall along with the 50 mm flanges duly inserted and sealed in the wall complete in one single piece casted monolithically, including all necessary fittings. The FRP Chajja should be manufactured using unsaturated Polyester resin as per IS : 6746, duly reinforced with fibre glass chopped strand mat (CSM) as per IS : 11551 complete with protective Gel coat U/V coating on Top for complete resistance from the extreme of temperature, weather & sunlight.	sqm	31.50	4901.50
18		Extra cost for carriage of Material			
a		Sone Sand (45 km from Koelwar)	Cum	6.57	1132.90

b	Stone Aggregate ,(110 Km From Gaya Manpur)	Cum	11.31	2464.45
c	Bricks (7P+ 1K)	%o	1.47	840.43
d	Difference of Cost of Bricks	%o	1.47	1420.51
e	Difference of Cost of Cement	tonn	5.35	234.62

Quoted Rates:for schedule item

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

NOTE:-

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Signature of Contractor

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

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-04

SHORT URGENT TENDER NOTICE NO.- Engg. /17/ EC/CW/Tender/2022-23

Sl. No.	Name of the Work :-	Manufacturing Supplying and Fixing Retro Reflective Overhead Signage's Board at IGIMS, Patna-14
1	Estimated Cost (In Rs.) :-	Rs. 8,83,990/-
2	Earnest Money (In Rs.) :-	Rs. 17,700/-
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	16.60	Manufacturing, supplying and fixing retro reflective overhead signage boards made up of 2 mm thick aluminium sheet, face to be fully covered with high intensity and encapsulated lens type heat activated retro reflective sheeting conforming to type - III of ASTM-D-4956-01 as approved by Engineer-in-charge, letters, borders etc. as per IRC : 67-2001 in silver white with blue colour back ground and with high intensity grade, pasted on substrate by pressure sensitive adhesive backing which shall be activated by applying pressure conforming to class II of ASTM-D-4956-01 and fixing the same to the plate of structural frame work by means of suitable sized aluminium alloys, rivets or bolts & nuts @ 300 mm centre to centre all along the periphery as well as in two vertical rows along with theft resistant measures, including the cost of painting with two or more coats of epoxy paint in grey colour on the back side of aluminium sheet including appropriate priming coat. The rate includes the cost of rounding off the corners, lowering down the structural frame work from the gantry, fixing and erecting the same in position all complete as per drawings, specification and direction of the engineer-incharge.(Structural frame work including M.S. plate to be provided separately. Rectangular area of the sheet only shall be measured for payment).			
a	16.60.1	Overhead informatory road signage	sqm	54.00	5,528.40
2	9.48.1	Providing and fixing M.S. grills of requirement pattern in frames of windows etc. with M.S. flats, square or round bars etc. All complete.	kg	3,312.00	144.50
3	13.93.1	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:Two or more coats on new work	Sqm.	207.00	84.50
4	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	cum	12.20	360.70

		disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of Soil			
5	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	12.20	3,998.10
6		Extra cost for carriage of Material			
a		Sone Sand (45 km from Koelwar)	Cum	5.79	1,132.90
b		Stone Aggregate ,(110 Km From Gaya Manpur)	Cum	11.64	2,464.45
c		Difference of Cost of Cement	tonn	4.16	234.62

Quoted Rates:for schedule item

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

NOTE:-

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

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

Signature of Contractor

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

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-05

SHORT URGENT TENDER NOTICE NO.- Engg. /17/ EC/CW/Tender/2022-23

Sl. No.	Name of the Work :-	Repair and Renovation of All Toilet and Bathroom of Ward Block at IGIMS, Patna-14
1	Estimated Cost (In Rs.) :-	Rs. 8,74,076/-
2	Earnest Money (In Rs.) :-	Rs. 17,500/-
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	15.23	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	104.60	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	16.00	396.10
3	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	7.00	151.80
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	2.36	3,998.10
5	14.1	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 Sqm and under including cutting the patch in proper ing and plastering the surface of the walls complete including disposal of rubbish to the dumping ground within 50 metres lead.			
a	14.1.2	With cement mortar 1:4	Sqm	431.13	237.20
6	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	11.25	599.30
7	13.80.	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. Complete	Sqm	1,724.51	9.70
8	13.77.3	Distemping with oil bound washa ble Distemper of approved brand and manufacture to give an even shade .Old work (one or more coats)	sqm	1,724.51	33.20
9	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm.	1,724.51	38.70
10	13.11.2	Cement plaster in course sand 12 mm cement plaster of mix:1:4(1 cement :4 coarse sand)	Sqm.	11.25	152.90

11	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.	431.13	81.10
12	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.	150.00	54.30
13	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	91.63	795.00
14	11.37	Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturer) of ist quality conforming to IS : 15622 of approved make in colours such as white , Ivory , Grey , Fume Red , Brown , laid on 20 mm thick Cement motar 1:4 (1 cement: 4 coarse sand) including pointing the joints with white cement and matching pigment etc., complete.	sqm	100.00	686.80
15	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	4.00	4,230.00
16	17.1	Providing and fixing water closet squatting pan (Indian type W.C.pan)with 100 mm sand cast Iron P or S trap, 10 litre low fixtures complete,including cutting and making good the walls andlevel white P.V.C.flushing cistern, including flush pipe, with manually controlled device(handle lever) conforming to IS : 7231, with all fittings and floorswherever required :			
a	17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	each	4.00	4,470.90
17	17.7	Providing and fixing wash basin with C.I. brakets, 15mm C.P. brass taps 32mm, C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the wall and floor wherever required.			
a	17.7.2	White Vitreous china wash basin minimum size 630 mm x 400 mm single 15mm CP brass pillar tap	Each	5.00	2,369.90
18	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	24.00	91.00
19	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	25.00	210.10
20	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	72.00	108.00
21	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	9.97.4	150x10 mm	Each	72.00	71.60
22	17.69	Providing and fixing PTMT Waste Coupling for wash basin and sink,of approved quality and colour.			
a	17.69.2	Waste coupling 38 mm dia of 83 mm length and 77mm breadth, weighing not less than 60 gms	each	24.00	109.70

23	18.53A	Providing and fixing C.P. Brass extension nipple (size 15mmx50mm) of approved make and quality as per direction of Engineer-in-charge	each	48.00	61.70
24	12.78	Providing and fixing on wall face unplasticised-PVC (working pressure 4 kgf per sqm) rain water pipes conforming to IS :4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion.			
a	12.78.1	75 mm diameter	meter	84.00	162.70
b	12.78.2	110 mm diameter	metre	40.00	257.50
25	12.79	Providing and fixing on wall face unplasticised -PVC molded fittings/accessories for unplasticised-PVC rain water pipes conforming to (S:4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion.			
a	12.79.4	Single tee without door			
i	12.79.4.1	75x75x75mm	each	36.00	124.20
ii	12.79.4.2	110x110x110 mm	each	20.00	190.70
d	12.79.5	Band 87.5			
i	12.79.5.1	75 mm bend	each	96.00	91.80
ii	12.79.5.2	110mm	each	16.00	132.00
26	12.8	Providing and fixing unplasticised -PVC pipe clip of approved design to unplasticised PVC rain water pipe by means of 50x50x50mm hard wood plugs, screwed with M.S. screws of required length including cutting brick work and fixing on cement mortar(1:4) 1 cement: 4corsa sand and making good the wall etc complete			
	12.80.1	75 mm	Each	40.00	184.10
a	12.80.2	110 mm	Each	20.00	182.72
27	18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the.			
a	18.8.2	20 mm nominal outer dia Pipes	metre	40.00	350.80
28	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	90.00	136.40
29	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	25.00	905.50
30	17.1	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS: 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required :			
a	17.10.2.1	Kitchen sink without drain board	each	6.00	3,786.60
31	17.5	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P.			

		brass lush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS :2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required :			
a	17.5.1	Single half stall urinal with 5 litre P.V.C. automatic flushing cistern	Each	4.00	6,469.00
32	18.58	Providing and fixing PTMT grating of approved quality and colour.			
a	18.58.1.2	125 mm nominal dia with 25 mm waste hole	each	60.00	45.20
33	18.49	Providing and fixing PTMT bib cock of approved quality and colour.			
a	18.54.4	15mm nominal bore, 90 mm long, weighing not less than 93 gms	each	95.00	170.00
34	18.55	Providing and fixing PTMT stop cock of approved quality and colour.			
a	18.55.2	20 mm nominal bore, 89 mm long, weighing not less than 88 gms	each	72.00	113.80
35	23.21	Excavation in dumped stones or malba including stacking of serviveable and unserviceable material separately and disposal of unserviceable material lead upto 50 m and lift upto 1.5 m disposed material to be neatly dressed.	cum	35.00	292.20
36	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	56.00	111.40
37	9.100.1	Providing and fixing alluminium handles anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with necessary screws etc. complete100mm	Each	58.00	57.10
38	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	2,000.00	9.70
39	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	18.62.3	25 mm nominal bore, 152mm long, weighing not less than 440 gms	each	1.00	459.40
40	21.1.1.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / aneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :For fixed portion Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	kg.	60.00	386.10
41	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	5.00	1,115.10
42	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	18.46.6	50 mm nominal bore	each	2.00	565.60
43	18.7	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.			
a	18.7.6	50 mm nominal outer dia Pipes	mtr	6.00	791.00
44	8.1	Marble work gang saw cut (polished and machine cut) of thickness 18mm for wall lining (veneer work) in cement mortar 1:3 (1 cement :3 coarse sand) including pointing with white cement mortar 1:2(1 white cement:2 marble dust) with an admixture of pigment to match the marble shade:(To be secured to the backing by means of cramps, which shall be paid for separately)			
a	8.1.1.2	Area of slab over 0.50 sqm	sqm	9.00	3,028.40
45		<u>Extra cost for carriage of Material</u>			
a		Sone Sand (45 km from Koelwar)	Cum	14.76	1,132.90
b		Stone Aggregate ,(110 Km From Gaya Manpur)	Cum	2.10	2,464.45
c		Bricks (7P+ 1K)	%o	0.63	840.43
d		Difference of Cost of Bricks	%o	0.63	1,420.51
e		Difference of Cost of Cement	tonn	6.29	234.62
		<u>CIVIL NON-SCHEDULED ITEMS</u>			
46	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-incharge	sqm	25.00	

Quoted Rates:for schedule item

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

NOTE:-

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

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

Signature of Contractor

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

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-06

SHORT URGENT TENDER NOTICE NO.- Engg. /17/ EC/CW/Tender/2022-23

Sl. No.	Name of the Work :-	Repair and Maintenance of Toilet and Outer Wall of Annex Block at IGIMS, Patna-14
1	Estimated Cost (In Rs.) :-	Rs. 8,54,723/-
2	Earnest Money (In Rs.) :-	Rs. 17,100/-
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	15.56	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	sqm	572.97	21.70
2	15.23	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.		-	
a	15.23.1	For thickness of tiles 10 mm to 25 mm	sqm	190.04	30.70
3	15.2	Demolishing cement concrete including disposal of material within 50 metre lead:		-	
a	15.2.1	1:3:6 or richer mix	cum	10.26	970.90
4	13.11	12 mm cement plaster of mix:		-	
a	13.11.2	1:4(1 cement: 4 coarse sand)	sqm	572.97	152.90
5	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering-all work upto plinth level.		-	
a	4.1.3	1:2:4(1 Cement: 2 coarse sand:4 graded stone aggregate 20 mm nominal size)	cum	5.12	3,998.10
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.	51.20	283.30
7	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	150.00	237.20
8	13.80.	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. Complete	Sqm	1,014.61	9.70
9	13.77.3	Distemping with oil bound washa ble Distemper of approved brand and manufacture to give an even shade .Old work (one or more coats)	sqm	1,014.61	33.20

10	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm.	1,014.61	38.70
11	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.	365.97	81.10
12	13.46	Finishing walls with Acrylic Smooth exterior paint of required shade :		-	
a	13.46.1	New work (Two or more coat applied @ 1.67 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	Sqm.	376.00	137.00
13	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.	392.27	54.30
14	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	143.51	795.00
15	17.1	Providing and fixing water closet squatting pan (Indian type W.C.pan) with 100 mm sand cast Iron P or S trap, 10 litre low fixtures complete, including cutting and making good the walls andlevel white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and floors wherever required :		-	
a	17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests		1.00	4,470.90
16	18.52.1	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.	each	17.00	594.80
17	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	8.00	210.10
18	9.97	Providing and fixing alluminium sliding tower bolt anodised(anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with nuts and screws etc. complete:		-	
a	9.97..1	300x10 mm	Each	22.00	111.40
19	9.100.1	Providing and fixing alluminium handles anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with necessary screws etc. complete100mm	Each	38.00	57.10
20	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	55.00	136.40
21	18.46	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) :		-	
a	18.46.2	20 mm nominal bore	Each	6.00	185.60
22	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	9.85	1,775.30
23	17.5	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern,with fittings, standard size C.P.		-	

		brass lush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS :2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required :			
a	17.5.1	Single half stall urinal with 5 litre P.V.C. automatic flushing cistern	Each	1.00	6,469.00
24	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	240.00	480.60
25	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	13.74	292.20
26	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	39.74	453.00
27	14.72	Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube chollies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after. The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer- in-charge. The elevational area of the scaffolding shall be measured for payment purpose. The payment will be made once irrespective of duration of scaffolding	sqm	255.98	178.30
28	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	10.81	599.30
29	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	1.14	4,923.00
30	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	18.62.3	25 mm nominal bore, 152mm long, weighing not less than 440 gms	each	2.00	459.40
31	21.1.1.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically	kg.	45.00	386.10

		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)			
32	21.3	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):			
a	21.3.2	With float glass panes of 5.50 mm thickness (weight not less than 12.50 kg/sqm)	sqm	21.60	1,115.10
33	11.41.2	Providing and laying vitrified floor tiles in different sizes {thickness to be specified by the manufacturer} with water absorption's less than 0.08 % and conforming to IS : 15622 of approved make in all colours and shades, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) including grouting the joint with white cement and matching pigments etc. complete. Size of			
a		Tile 600x600 mm.	sqm	15.75	1,638.80
34	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	15.75	-480.60
35	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	15.75	446.80
36	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :	each	2.00	434.20
37		Extra cost for carriage of Material		-	
a		Sone Sand (45 km from Koelwar)	Cum	14.68	1,132.90
b		Stone Aggregate ,(110 Km From Gaya Manpur)	Cum	4.55	2,464.45
c		Bricks (7P+ 1K)	%o	2.83	840.43
d		Difference of Cost of Bricks	%o	2.27	1,420.51
e		Difference of Cost of Cement	tonn	6.83	234.62
		<u>Civil Non-Scheduled Item</u>			
38	NSI	Providing and fixing 19mm 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	5.00
39	NSI Vide Cat. Page-11	Providing and Fixing Hand shower (Health Faucet) with 8mm Dia, 1 Meter Long Flexible Tube & Wall Hook all complete. Jaguar Model ALD-CHR-573 or equivalent.	Each	3.00

Quoted Rates:for schedule item

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

NOTE:-

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

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

Signature of Contractor

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

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-07

SHORT URGENT TENDER NOTICE NO.- Engg. /17/ EC/CW/Tender/2022-23

Sl. No.	Name of the Work :-	Repair, Renovation and Painting Work of A-Type Quarter No 4/1,4/4, 4/2, 2/6, 3/6, 3/14, 3/3, 2/16, (8 Nos.) at IGIMS, Patna-14
1	Estimated Cost (In Rs.) :-	Rs. 7,95,758/-
2	Earnest Money (In Rs.) :-	Rs. 16,000/-
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	15.52	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	8.00	396.10
2	15.3	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material within 50 metres lead:	cum	1.73	1,411.20
3	15.2	Demolishing cement concrete including disposal of material within 50 metre lead			
a	15.2.1	1:3:6 or richer mix	cum	8.36	970.90
4	15.56	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead	Sqm	147.68	21.70
5	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	4.1.4	1:2:4(1 Cement: 2 coarse sand:4 graded stone aggregate 20 mm nominal size)	cum	5.34	3,879.40
6	5.2	Reinforced cement concrete work in wall (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts, etc. upto floor five level excluding cost of centring, shuttering, finishing and reinforcement			
a	5.2.2	1:1:5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate 20mm nominal size) cum	cum	2.63	5,670.00
7	13.26	Neat cement punning	Sqm	51.84	40.50
8	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 propering 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	280.00	237.20
9	13.80.	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. Complete	Sqm	1,360.00	9.70
10	13.77.3	Distemping with oil bound washable Distemper of approved brand and manufacture to give an even shade .Old work (one or more coats)	sqm	1,360.00	33.20
11	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm.	1,360.00	38.70
12	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.	280.00	81.10
13	13.93.1	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:Two or more coats on new work	Sqm.	400.00	84.50
14	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 Mortar 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.	125.90	795.00
15	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 mortar 1:4 (1 cement: 4 coarse sand) including pointing the joints with white cement and matching pigment etc., complete.	Sqm.	34.08	686.80
16	8.2	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations, of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. granite			
a	8.2.2.2	Area of slab over 0.50 sqm	sqm	32.00	4,401.20
17	15.44	Dismantling G.I. pipes (external work) including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means including stacking of pipes within 50 metres lead as per direction of Engineer-in-charge			
a	15.44.1	15 mm to 40 mm nominal bore per	mtr	150.00	65.30
18	18.9	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement , trenching , refilling & testing of joints complete as per direction of Engineer in Charge.			
a	18.9.2	20 mm nominal outer dia pipes	metre	150.00	205.30
19	18.17	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :			
a	18.17.1	25 mm dia nominal bore.	Each	40.00	532.30
20	18.58.1.2	Providing and fixing PTMT grating of approved quality and colour. Circular type 125 mm nominal dia with 25 mm waste hole.	each	80.00	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.	each	10.00	1,068.50

		brass screws and washers complete			
22	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931	each	45.00	434.20
23	17.28	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.Semi rigid pipe			
a	17.28.1.1	32 mm dia	each	30.00	91.00
24	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	50.00	108.00
25	17.1.1	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 White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	each	8.00	4,470.90
26	9.82	Supply and fixing bright finished brass hanging type floor door stopper with necessary screws etc complete.	Each	50.00	108.10
27	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	8.00	2,369.90
28	17.9	Providing and fixing kitchen sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P. brass waste complete, including painting the fittings and brackets, cutting and making good the walls wherever required			
a	17.9.1	White glazed fire clay kitchen sink of size 600x450x250 mm	each	8.00	2,778.00
29	9.48	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	100.00	144.50
30	-	<u>Carrage of the following material</u>			
a		Sone Sand (45 km from Koelwar)	Cum	13.96	1,132.90
b		Stone Aggregate ,(110 Km From Gaya Manpur)	Cum	9.95	2,464.45
c		Difference of Cost of Cement	tonn	8.04	234.62

Quoted Rates:for schedule item

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

NOTE:-

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

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

Signature of Contractor

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

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-08

SHORT URGENT TENDER NOTICE NO.- Engg. /17/ EC/CW/Tender/2022-23

Sl. No.	Name of the Work :-	Provision of (2.0 Nos.) Urinal Block for Patient at IGIMS, Patna-14.
1	Estimated Cost (In Rs.) :-	Rs. 5,70,459/-
2	Earnest Money (In Rs.) :-	Rs. 11,500/-
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	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	21.60	360.70
2	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.	72.00	283.30
3	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete	Cum	12.00	287.30
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	7.20	3998.10
5	5.1	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of ng,shuttering,finishing and reinforcement-All work puto plinth level			
a	5.1.2	1:1:5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate 20 mm nominal size)	cum	3.25	4688.30
6	5.22	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all omplete.			
a	5.22.7A	Thermo-Mechanically Treated bars TMTC-500-8mm	kg	90.00	94.50
b	5.22.7B	Thermo-Mechanically Treated bars TMTC-500-10mm	kg	135.00	92.60
7	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	20.00	404.70
8	6.18A	Half brick masonry with bricks of class designation 100A in foundations and plinth in :			

a	6.18.4A	Cement mortar 1:4 (1 cement: 4 coarse send)	sqm.	21.00	599.30
9	6.19B	Extra for half Brick masonry in superstructure above pinth level upto floor V level.	sqm.	21.00	89.70
10	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	41.00	795.00
11	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	72.210	686.80
12	19.32	Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design			
a	19.32.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	2.00	33603.40
13	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	8.00	3723.20
14	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	734.08	123.90
15	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.	85.00	54.30
16	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	2764.40
17	12.47	Providing & fixing UV stabilised fiberglass reinforced plastic sheet roofing up to any pitch, including fixing with polymer coated 'J' or 'L' hooks, bolts & nuts 8mm dia. G.I plain/bitumen washers complete but excluding the cost of purlins, rafters, trusses etc. The sheets shall be manufactured out of 2400 TEX panel rovigs incorporating minimum 0.3% ultra-violet stabiliser in resin system under approximately 2400 psi and hot cured. They shall be of uniform pigmentation and thickness without air pockets and shall conform to IS 10192 and IS 12866.The sheets shall be opaque or translucent, clear or pigmented, textured or smooth as specified.			
a	12.47.2	2 mm thick flat sqm 967.10	sqm	73.35	967.10
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	2.00	91.00
19	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	60.00	294.70
b	18.9.2	20 mm nominal outer dia pipes	metre	30.00	205.30
20	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	10.00	185.60
b	18.46.3	25 mm nominal bore	each	10.00	265.90
21	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
22	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	25.00	162.70
b	12.78.2	110 mm diameter	metre	40.00	257.50
23	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			
i	12.79.3.1	75x75x75 mm	each	8.00	141.60
ii	12.79.3.2	110 mm	each	8.00	193.40
b	12.79.5	Band 87.5°			
i	12.79.5.1	75 mm bend	each	8.00	91.80
ii	12.79.5.2	110mm bend	each	8.00	132.00
24	18.65	Providing and fixing PTMT soap dish holder having length of 138mm, breadth 102 mm height of 75mm with concealed fitting arrangements, weighing not less than 106 gms.	Each	2.00	96.80
25	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	8.00	45.20
26	18.16.2	Providing and fixing brass stop cock of approved quality 20 mm nominal bore	each	10.00	328.00
27	18.21	Providing and fixing unplasticised PVC connection pipe with brass ions			
a	18.21.2.2	45 cm length 20 mm nominal bore	each	10.00	102.60
28		<u>Extra cost for carriage of Material</u>			
a		Local Sand	Cum	12.00	310.47
b		Sone Sand (45 km from Koelwar)	Cum	8.00	1132.90

c		Stone Aggregate ,(110 Km From Gaya Manpur)	Cum	10.00	2464.45
d		Bricks (7P+ 1K)	%o	3.60	840.43
e		Difference of Cost of Bricks	%o	3.60	1420.51
f		Difference of Cost of Cement	tonn	6.00	234.62

Quoted Rates:for schedule item

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

NOTE:-

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

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

Signature of Contractor

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

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-09

SHORT URGENT TENDER NOTICE NO.- Engg. /17/ EC/CW/Tender/2022-23

Sl. No.	Name of the Work :-	Replacement of Damaged Toilet Doors in Ward Block, Repair And Painting Work of Dialysis and TLD Box in Radiology in Diagnostic Block at IGIMS, Patna-14
1	Estimated Cost (In Rs.) :-	Rs. 3,37,460/-
2	Earnest Money (In Rs.) :-	Rs. 6,800/-
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	15.12	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	25.00	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	20.00	30.70
3	14.1	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 Sqm and under including cutting the patch in proper ing and plastering the surface of the walls complete including disposal of rubbish to the dumping ground within 50 metres lead.			
a	14.1.2	With cement mortar 1:4	Sqm	85.00	237.20
4	13.80.	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. Complete	Sqm	210.71	9.70
5	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	210.71	33.20
6	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm.	210.71	38.70
7	13.80.A.1	Providing and applying white cement based putty of erage thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete	Sqm.	85.00	81.10
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	sqm	18.10	795.00

		cement slurry @ 3.3 kg per sqm including pointing in white cement mixed with pigment of matching shade complete.			
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	2.25	686.80
10	18.53	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931			
a	18.53.1	15 mm nominal bore	each	18.00	500.40
11	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	124.80	453.00
12	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 mm x 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	9.124.2	Decorative finish (both side wood grained finish	sqm	41.60	3,032.70
13	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	34.92	669.00
14	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	4.00	222.00
15	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	4.00	34.10
16	9.92	Providing and fixing chromium plated brass handles with necessary screws etc. complete:			
a	9.92.1	125 mm	each	36.00	223.50
17	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	50.00	160.70
		<u>CIVIL NON SCHEDULE ITEM</u>			
18	NSI	Providing and fixing 19mm thick Centutuary/Green ply of approved brand. For cup-board , ward robe , partition / panelling Etc. All complete as per archiectural drawings and directions of engineer-incharge	sqm	17.46

Quoted Rates:for schedule item

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

NOTE:-

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

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

Signature of Contractor

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

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-10

SHORT URGENT TENDER NOTICE NO.- Engg. /17/ EC/CW/Tender/2022-23

Sl. No.	Name of the Work :-	Aluminum Sliding Window and M.S Grilling Work in Window Of R.I.O Ward and Making Wooden Showcase in Dr. Chamber No. (204) of Dental Dept at IGIMS, Patna-14
1	Estimated Cost (In Rs.) :-	Rs. 2,84,381/-
2	Earnest Money (In Rs.) :-	Rs. 5,700/-
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	15.12	Desman tiling doors windows and clerestory windows (steel or wood) shutters including chowkhats, architrage, holdfasts etc. complete and stacking within 50 metres lead:			
a	15.12.2	Of area beyond 3 sqm	each	10.00	208.80
2	15.57	Dismantling aluminium/Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material with in 50 m lead as directed by Engineer-in-charge.	sqm	10.50	23.70
3	26.27	Providing and fixing mineral fibre false ceiling tiles at all heights of size 595X595mm of approved texture, design and pattern. The tiles should have Humidity Resistance (RH) of 99%, Light Reflectance ?85%, Thermal Conductivity k = 0.052 - 0.057 w/m K, Fire Performance as per (BS 476 pt - 6 &7)in true horizontal level suspended on interlocking TGrid of hot dipped all round galvanized iron section of 0.33 mm thick (galvanized @120 gsm) comprising of main T runners of 15x32 mm of length 3000 mm, cross T of size 15x32mm of length 1200 mm and secondary intermediate cross T of size 15x32 mm of length 600 mm to form grid module of size 600x600 mm suspended from ceiling using galvanized mild steel item galvanised@80gsm) 50 mm long 8mm outer diameter M-6 dash fasteners, 6 mm diameter fully threaded hanger rod up to 1000 mm length and L-shape level adjuster of size 85x25x2 mm, spaced at 1200 mm centre to centre along main 'T'. The system should rest on periphery walls /partitions with the help of GI perimeter wall angle of size24x24X3000 mm made of 0.40 mm thick sheet, to be fixed to the wall with help of plastic rawl plug at 450 mm centre to centre & 40 mm long dry wall S.S. screws. The exposed bottom portion of all T-sections used in false ceiling support system shall be pre-painted with polyester baked paint, for all heights. The work shall be carried out			

		as per specifications, drawings and as per directions of the engineer-in-charge.			
a	26.27.1	With 16 mm thick beveled tegular mineral fibre false ceiling tile (NRC 0.55 to 0.6)	Sqm.	10.50	1,832.40
4	14.72	Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube chollies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after .The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer- in-charge .The elevational area of the scaffolding shall be measured for payment purpose .The payment will be made once irrespective of duration of scaffolding.	Sqm.	62.00	178.30
5	21.1.1.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / aneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :For fixed portion Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	kg.	177.20	386.10
6	21.3	Providing and fixing glazing in aluminum door, window, Ventilator shutter and partition etc. with EPDM rubber/neoprene gasket etc. Complete as per the architectural drawings and the direction of engineering-in-charge. (cost of alluminium snap beading shall be paid in basic item.)			
a	21.3.2	Float glass panes. 5.5 mm thick glass pane.	sqm	35.00	1,115.10
b	21.3.3	With float glass panes of 8 mm thickness	sqm	2.88	1,285.60
7	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	710.00	144.50
8	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.	83.00	84.50
10	9.81	Providing and fixing bright finished brass handles with screws etc. complete:			
a	9.81.1	100mm	each	4.00	202.10
11	9.79	Providing and fixing special quality bright finished brass cupboard or wardrobe locks with four levers of approved quality including necessary screws etc. complete.			
a	9.79.2	50 mm	each	4.00	222.00
12	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	4.00	17.70
13	9.80	Providing and fixing 50 mm bright finished brass cup board or wardrobe knob of approved quality with	each	8.00	56.70
14	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

15	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	4.00	35.40
16	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	4.00	44.80
18	26.89	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid board one side white colour and other side of board laminated with PVC foil of minimum 14 micron thickness of approved design pasted with hot melt adhesive for cup boards, work stations and bathroom/kitchen cabinet etc. of required sizes comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ ricehusk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm, modulus of elasticity 850 N/mm and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixing with stainless steel piano hinges/soft close clip on concealed 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 piano hinges/soft close clip on concealed hinges and necessary S.S screws shall be paid separately)			
	26.89.1	18 mm thick	sqm	10.50	2,625.10

Quoted Rates:for schedule item

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

NOTE:-

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- 1- Issued to :.....
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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-11

SHORT URGENT TENDER NOTICE NO.- Engg. /17/ EC/CW/Tender/2022-23

Sl. No.	Name of the Work :-	Repair, Painting & Water Supply Work in SCI Building at IGIMS ,Patna-14
1	Estimated Cost (In Rs.) :-	Rs. 2,14,153/-
2	Earnest Money (In Rs.) :-	Rs. 4,300/-
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	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.	4.32	283.30
2	4.1	Providing and laying in position cement concrete of specified grade exluding the cost of centring and shuttering-all work upto plinth level.			
a	4.1.3	1:2:4(1 Cement: 2 coarse sand:4 graded stone aggregate 20 mm nominal size)	cum	0.45	3,998.10
3	8.2	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations, of required size,approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1cement : 4coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups,including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.granite			
a	8.2.2.2	Area of slab over 0.50 sqm	sqm	4.32	4,401.20
4	13.12.2	15 mm cement plaster on rough side of single or half brick wall of mix1:4(1 cement: 4 coarse sand)	Sqm.	85.50	176.40
5	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.	8.70	795.00
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.	185.00	54.30
7	13.8	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including	Sqm	821.71	9.70

		necessary repari scratches tec. Gmplete			
8	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	821.71	33.20
9	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm	821.71	38.70
10	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
11	17.11	Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete, including painting of fittings and brackets, cutting and making good the wall wherever required :			
a	17.11.2	Size 600x450x200 mm	each	2.00	5,085.90
12	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
13	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 which one step CPVC solvent cement, trenching, refilling & testing of joints complete as direction of engineer in charge. (External work)			
b	18.9.2	20 mm nominal outer dia pipes	metre	30.00	205.30
14	18.46	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) :			
a	18.46.2	20 mm nominal bore	each	5.00	185.60
15	12.78	Providing and fixing on wall face unplasticised -PVC (working pressure 4 kg per sqm) rain water pipes conforming to IS:4985 including jointing with seal ring conforming to IS:5382 leaving 10 mm gap for thermal expansion.			
a	12.78.1	75 mm diameter	metre	23.50	162.70
16	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			
a	17.28.1.1	32 mm dia	Each	4.00	91.00
17	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
18	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
19	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	3.00	399.20
20	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 xpansion.			
a	12.79.5	Band 87.5°			

	12.79.5.1	75mm bend	each	5.00	91.80
21	12.80	Providing and fixing unplasticised -PVC pipe clip of approved design to unplasticised PVC rain water pipe by means of 50x50x50mm hard wood plugs, screwed with M.S. screws of required length including cutting brick work and fixing on cement mortar(1:4) 1 cement: 4corsa sand and making good the wall etc complete			
a	12.80.1	75 mm	each	12.00	184.10
22	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	18.00	1,115.10
23	9.46	Providing and fixing curtain rods of 1.25 mm thick chromium plated brass plate, with two chromium plated brass brackets fixed with C.P. brass screws and wooden plugs, etc., wherever necessary complete			
a	9.46.2	20 mm dia metre	meter	64.80	397.70
24	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	20.00	210.10
		<u>Civil Non-Scheduled Items</u>			
25	NSI	Providing and Fixing Pillar Cock Auto Closing System with 65 mm extension body all Complete. Jaguar Model PRS-031L65 or equivalent.	Each	2.00	

Quoted Rates:for schedule item

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c-at estimated cost.

NOTE:-

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Signature of Contractor

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

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-12

SHORT URGENT TENDER NOTICE NO.- Engg. /17/ EC/CW/Tender/2022-23

Sl. No.	Name of the Work :-	Development of Back Side of Hostel Building in Nursing College at IGIMS, Patna-14
1	Estimated Cost (In Rs.) :-	Rs. 2,06,189/-
2	Earnest Money (In Rs.) :-	Rs. 4,200/-
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	2.32	Clearing jungle including uprooting of rank vegetation ,grass, brush wood,trees and saplings of girth upto 30 cm measured at a height of 1 m aboveground level and removal of rubbish upto a distance of 50 m outside theperiphery of the area cleared.	Sqm.	180.00	6.97
2	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	15.00	123.90
3	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete.	cum	15.00	287.30
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	18.60	3,998.10
5	6.18A	Half brick masonry with bricks of class designation 100A in foundations and plinth in :			
a	6.18.4A	Cement mortar 1:4 (1 cement: 4 coarse send)	Sqm.	6.00	599.30
6	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.	6.00	176.40
7	13.11.2	Cement plaster in course sand 12 mm cement plaster of mix:1:4(1 cement :4 coarse sand)	Sqm.	6.00	152.90
15	14.1	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 Sqm and under including cutting the patch in proper ing and plastering the surface of the walls complete including disposal of rubbish to the dumping ground within 50 metres lead.			
a	14.1.2	With cement mortar 1:4	Sqm	136.50	237.20
16	13.80.	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. Complete	Sqm	136.50	9.70
17	13.78.2	Applying one coat of cement primer of approved brand and	sqm	136.50	38.70

		manufacture on wall surface:Distemper primer			
18	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	136.50	33.20
20	13.93	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:			
a	13.93.1	Two or more coats on new work	sqm	97.50	84.50
8	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 theproportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete :			
a	19.6.2	150 mm dia. R.C.C. pipe metre	metre	3.00	410.70
9		Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :			
a	18.17.1	25 mm nominal bore	each	4.00	532.30
10	19.27	Constructing brick masonry road gully chamber 50x45x60 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm pre-cast R.C.C. horizontal grating with frame complete as per standard design			
a	19.27.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	2.00	3,743.30
11		Extra cost for carriage of Material			
a		Local Sand / Earth soil (3 Km)	Cum	15.00	310.47
b		Sone Sand (45 km from Koelwar)	Cum	8.28	1,132.90
c		Stone Aggregate ,(110 Km From Gaya Manpur)	Cum	16.55	2,464.45
f		Difference of Cost of Cement	tonn	5.95	234.62

Quoted Rates:for schedule item

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