

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-01

SHORT URGENT TENDER NOTICE NO.- 06 /IGIMS/ Engg Cell/CW/Tender/2023-24

Sl. No.	Name of the Work :-		Provision of New Boundary wall near New MBBS Boys hostel and Repairing of Broken Boundary wall in west side of external wall at IGIMS, Patna-14		
1	Estimated Cost (In Rs.) :-		Rs. 10,95,195/-		
2	Earnest Money (In Rs.) :-		Rs. 21,950/-		
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
		CIVIL SCHEDULE			
1	15.3	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material withing 50 metres lead:	cum	18.00	1,411.20
2	2.8.1	Earth work in excavation in foundation trenches or drains(not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m . including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of Soil	cum	7.50	360.70
3	20.2	Boring,with hydraulic piling rigs with power units, Providing and installing cast in situ single under reamed piles of specified diameter and length below pile cap in M-25 cement concrete, to carry a safe working load not less than specified, excluding the cost of boring with bentonite solution and the length of the pile to be embedded in pile cap etc. all complete. (Length of pile for payment shall be measured upto to the bottom of pile cap) :			
a	20.2.1	300 mm dia piles	rmt	39.00	902.60
4	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering-all work upto plinth level.			
a	4.1.3	1:2:4(1 Cement: 2 coarse sand:4 graded stone aggregate 20 mm nominal size)	cum	1.80	3,998.10
5	5.33A	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete structural elements, excluding the cost of centring, shuttering finishing and reinforcement, M-20 grde reinforced cement concrete			

a	5.33A.2.2	Beams, plinth beams, girders, bressumers, cantilevers, Suspended floors lintels roofs and staircases including spiral staircases, shelves etc.	cum	23.40	5,677.20
		STEEL REINFORCEMENT			
6	5.22	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.			
i)	5.22.7A	Thermo-Mechanically Treated bars TMTC-500-8mm dia.	kg	1,145.88	94.50
ii)	5.22.7B	Thermo-Mechanically Treated bars TMTC-500-10mm dia.	kg	1,562.40	92.60
iii)	5.22.7C	Thermo-Mechanically Treated bars TMTC-500-12mm dia.	kg	520.65	90.80
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	246.00	404.70
8	13.11	Cement plaster in course sand 12 mm cement plaster of mix:			
a	13.11.1	1:3 (1 cement:3 coarse sand)	sqm	279.00	164.30
9	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	279.00	137.00
10	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	96.00	84.50
11	10.43	Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length (total length 90 m), having 50 nos rounds per 6 metre length, upto 3 m height of wall with existing angle iron -Yø shaped placed 2.4 m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape(R.B.T.) / Spring core (2.5 mm thick) wire of high tensile strength of 165kg/ sq mm with tape (0.52 mm thick) and weight 43.478 gm/ metre (cost of M.S. angle, C.C. blocks shall be paid separately)	meter	500.00	272.60
12		Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete			
a	9.48.1	Fixed to steel windows by welding	kg	1,340.00	144.50
13		Extra cost for carriage of Material			
a		Sone Sand (45 km from Koelwar)	Cum	23.83	1,132.90
b		Stone Aggregate ,(110 Km From Gaya Manpur)	Cum	16.21	2,464.45
c		Difference of Cost of Cement	tonn	12.72	234.62

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-02

SHORT URGENT TENDER NOTICE NO.- 06 /IGIMS/ Engg Cell/CW/Tender/2023-24

Sl. No.	Name of the Work :-	Provision of granite sink of all common toilet of ward block at IGIMS, Patna-14
1	Estimated Cost (In Rs.) :-	Rs. 7,38,114/-
2	Earnest Money (In Rs.) :-	Rs. 14,800/-
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
		CIVIL SCHEDULE			
1	15.23	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.			
a	15.23.1	For thickness of tiles 10 mm to 25 mm	sqm	134.40	30.70
2	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering-all work upto plinth level.			
a	4.1.3	1:2:4(1 Cement: 2 coarse sand:4 graded stone aggregate 20 mm nominal size)	cum	8.81	3,998.10
3	6.18.4A	Half brick masonry with bricks of class designation 100A in foundations and plinth in : cement mortar 1:4 (1 cement: 4 coarse sand)	sqm	57.47	599.30
4	6.19B	Extra for half Brick masonry in superstructure above pinth level upto floor V level.	sqm	57.47	89.70
5	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	2.84	5,670.00
6	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	380.00	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	27.30	404.70
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	sqm	25.00	795.00

		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.			
9	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 (1 cement: 3 coarse sand) including pointing in-white cement with an admixture of pigment to match the stone shade .			
a	7.38.1	8 mm thick (mirror polished and machine cut edge)			
	7.38.1.1	Granite black stone	sqm	189.07	1,900.90
10	8.3	Providing edge moulding to 18 mm thick marble stone counters, vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.			
a	8.3.2	Granite work	meter	78.20	260.10
11	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	meter	170.00	257.50
12	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 with door			
ii	12.79.3.2	110x110x110 mm	each	31.00	193.40
b	12.79.5	Band 87.5			
ii	12.79.5.2	110mm	each	25.00	132.00
13	12.8	Providing and fixing unplasticised -PVC pipe clip of approved design to unplasticised PVC rain water pipe by means of 50x50x50mm hard wood plugs, screwed with M.S. screws of required length including cutting brick work and fixing on cement mortar(1:4) 1 cement: 4 coarse sand and making good the wall etc complete			
a	12.80.2	110 mm	Each	40.00	182.72
14	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	72.00	350.80
15	18.17	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :			
a	18.17.1A	20 mm nominal bore.	each	14.00	465.40
16	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :	each	60.00	434.20
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	20.00	136.40
18	18.58	Providing and fixing PTMT grating of approved quality and colour.			

a	18.58.1.2	125 mm nominal dia with 25 mm waste hole	each	28.00	45.20
19	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	30.00	292.20
20	19.30	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	19.30.2	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	4.00	5,107.40
21		Extra cost for carriage of Material			
a		Sone Sand (45 km from Koelwar)	Cum	10.14	1,132.90
b		Stone Aggregate ,(110 Km From Gaya Manpur)	Cum	10.25	2,464.45
c		Bricks (7P+ 1K)	%o	3.24	840.43
d		Difference of Cost of Bricks	%o	3.24	1,420.51
e		Difference of Cost of Cement	tonn	7.43	234.62

Quoted Rates:for schedule item

- a- 0 0 0 0 0 0 % above
- b- 0 0 0 0 0 0 % below
- c- 0 0 0 0 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 :0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 ..
- 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

SHORT URGENT TENDER NOTICE NO.- 06 /IGIMS/ Engg Cell/CW/Tender/2023-24

Sl. No.	Name of the Work :-	Provision of seating Bench first floor to fourth floor, Aluminum work for window and M.S Chequered sheet for Expansion joint in core block at IGIMS, Patna-14
1	Estimated Cost (In Rs.) :-	Rs. 7,13,909/-
2	Earnest Money (In Rs.) :-	Rs. 14,300/-
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
		CIVIL SCHEDULE			
1	15.23	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.			
a	15.23.1	For thickness of tiles 10 mm to 25 mm	sqm	5.40	30.70
2	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering-all work upto plinth level.			
a	4.1.3	1:2:4(1 Cement: 2 coarse sand:4 graded stone aggregate 20 mm nominal size)	cum	0.54	3,998.10
3	6.18.4A	Half brick masonry with bricks of class designation 100A in foundations and plinth in : cement mortar 1:4 (1 cement: 4 coarse sand)	sqm	201.00	599.30
4	6.19B	Extra for half Brick masonry in superstructure above plinth level upto floor V level.	sqm	201.00	89.70
5	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	3.38	4,923.00
6	6.3C	Extra for Brick work in superstructure above plinth level upto floor V	Cum	3.38	842.20
7	5.2	Reinforced cement concrete work in wall (any thickness), including attached plasters, utresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts, etc. upto 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	5.04	5,670.00
8	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	440.00	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	75.00	404.70
10	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.	94.15	386.10
11	11.27	Kota stone slabs 20 mm thick in risers of steps skirting. Dado & pillars laid on 12 mm (average (thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete. Details of cost for 10 sqm	sqm	37.50	1,334.90
12	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 (1 cement: 3 coarse sand) including pointing in-white cement with an admixture of pigment to match the stone shade .			
a	7.38.1	8 mm thick (mirror polished and machine cut edge)			
	7.38.1.1	Granite black stone	sqm	134.48	1,900.90
13	9.48	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete			
a	9.48.1	Fixed to steel windows by welding kg	sqm	247.28	144.50
14	21.3	Providing and fixing glazing in aluminium door, window, Ventilator shutter and partition etc. with EPDM rubber/neoprene gasket etc. Complete as per the architectural drawings and the direction of engineering-in-charge. (cost of alluminium snap beading shall be paid in basic item.)			
a	21.3.2	Float glass panes. 5.5 mm thick glass pane.	sqm	18.87	1,115.10
15		Extra cost for carriage of Material			
a		Sone Sand (45 km from Koelwar)	Cum	11.94	1,132.90
b		Stone Aggregate ,(110 Km From Gaya Manpur)	Cum	4.76	2,464.45
c		Bricks (7P+ 1K)	%o	13.02	840.43
d		Difference of Cost of Bricks	%o	12.18	1,420.51
e		Difference of Cost of Cement	tonn	6.89	234.62

Quoted Rates:for schedule item

- a- ō ō ō ō ō ō % above
- b- ō ō ō ō ō ō % below
- c- ō ō ō ō 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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- 2- Full postal address :-
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- 4- Registration No. :-
- 5- Time of completion :-

Signature of Contractor

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

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-04

SHORT URGENT TENDER NOTICE NO.- 06 /IGIMS/ Engg Cell/CW/Tender/2023-24

Sl. No.	Name of the Work :-		Miscellaneous work of Hospital area i.e (Anatomy Department, Dialysis ,Ent ward, Psychiatrist Department ,pulmo department) and other extra work at IGIMS, Patna-14		
1	Estimated Cost (In Rs.) :-		Rs. 4,78,923/-		
2	Earnest Money (In Rs.) :-		Rs. 9,600/-		
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
		CIVIL SCHEDULE			
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	330.00	21.70
2	15.23	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.			
a	15.23.1	For thickness of tiles 10 mm to 25 mm	sqm	296.22	30.70
3	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	0.43	3,998.10
4	13.13	20 mm cement plaster of mix ;			
a	13.13.2	1: 4(1 cement: 4 coarse sand)	sqm	15.56	209.90
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.	12.72	386.10
6	14.1	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 Sqm and under including cutting the patch in			

		proper ing and plastering the surface of the walls complete including disposal of rubbish to the dumping ground within 50 metres lead.			
a	14.1.2	With cement mortar 1:4	Sqm	250.00	237.20
7	13.80.	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. Complete	Sqm	1,328.00	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	1,160.00	33.20
9	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm.	1,160.00	38.70
10	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.	296.22	81.10
11	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.	112.00	137.00
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.	387.00	54.30
13	13.81	Applying priming coat:			
a	13.81.3	With ready mixed zinc chromate yellow primer of approved brand and manufacture on steel galvanized iron/steel works	sqm	387.00	34.60
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	13.74	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 motar 1:4 (1 cement: 4 coarse sand) including pointing the joints with white cement and matching pigment etc., complete.	sqm	2.23	686.80
16	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	3.40	1,775.30
17	18.52.1	Providing and fixing C.P. brass stop cock (conceaed) of standard design and of approved make conforming to IS:8931.	each	15.00	594.80
18	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	100.00	60.80
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	3.00	210.10
20	9.97	Providing and fixing alluminium sliding tower bolt anodised(anodic coating not less than grade AC			

		10 as per IS :1868) transparent or dyed to required colour and shade with nuts and screws etc. complete:			
a	9.97..1	300x10 mm	Each	3.00	111.40
21	9.100.1	Providing and fixing alluminium handles anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with necessary screws etc. complete 100mm	Each	6.00	57.10
22	12.78	Providing and fixing on wall face unplastidsed-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	28.80	257.50
23	12.79	Providing and fixing on wall face unplastised -PVC molded fittings/accessories for unplastised-PVC rain water pipes conforming to (S:4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion.			
a	12.79.4	Single tee without door			
i	12.79.4.2	110x110x110 mm	each	20.00	190.70
b	12.79.3	Single tee with door			
i	12.79.3.2	110x110x110mm	each	35.00	193.40
c	12.79.1	Coupler			
i	12.79.1.2	110mm	each	13.00	120.00
d	12.79.5	Band 87.5			
i	12.79.5.2	110mm	each	4.00	132.00
24	12.8	Providing and fixing unplastised -PVC pipe clip of approved design to unplastised PVC rain water pipe by means of 50x50x50mm hard wood plugs, screwed with M.S. screws of required length including cutting brick work and fixing on cement mortar(1:4) 1 cement: 4corsa sand and making good the wall etc complete			
a	12.80.2	110 mm	Each	10.00	182.72
25	18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement nd testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the.			
a	18.8.2	20 mm nominal outer dia Pipes	metre	63.00	350.80
b	18.8.3	25 mm nominal outer dia Pipes	metre	38.00	463.10
26	11.27	Kota stone slabs 20 mm thick in risers of steps skirting. Dado & pillars laid on 12 mm (average (thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete. Details of cost for 10 sqm	sqm	2.82	1,334.90
27	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	4.00	136.40
28	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	2.00	185.60
b	18.46.3	25 mm nominal bore	Each	2.00	265.90
29	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	23.23	480.60
30	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	20.00	292.20
31	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	9.124.1	Non decorative finish	sqm	1.60	2,898.90
32	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	7.00	979.50
33	18.18	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete			
a	18.18.2	20 mm nominal bore	each	15.00	397.40
34	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	35.00	45.20
35	19.30	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	19.30.2	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	1.00	5,107.40
36		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	0.44	2,464.45
c		Difference of Cost of Cement	tonn	2.19	234.62
		CIVIL NON-SCHEDULED ITEMS			
37	NSI	Providing and Fixing Pillar Cock Auto Closing System with 65 mm extension body all Complete. Jaguar Model PRS-031L65 or equivalent.	Each	5.00
38	NSI	Providing and fixing 12mm thick Centuary/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	2.87
39	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 oa engineer-incharge	sqm	5.08
40	NSI	Providing and fixing UV polycarbonate sheet 10.00mm thick of approved brand.partition/panelling Etc. All Complete as per architectrul drawing and directions of engineer-incharge.	sqm	24.42

Quoted Rates:for schedule item

- a- ō ō ō ō ō ō % above
b- ō ō ō ō ō ō % below
c- ō ō ō ō 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 :ō ō ō ō ō ō ō ō ō ō ō ō ō ō ō ..
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.- 06 /IGIMS/ Engg Cell/CW/Tender/2023-24

Sl. No.	Name of the Work :-	Miscellaneous work in waiting area in front of Emergency at IGIMS, Patna-14
1	Estimated Cost (In Rs.) :-	Rs. 4,25,578/-
2	Earnest Money (In Rs.) :-	Rs. 8,550/-
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	8.13	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.			
a	8.13.1	Polished Granite stone slab jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent.	sqm	23.66	3605.20
2	11.26	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete . Base with 1:1:1 (1 lime : 1 surkhi: 1 coarse sand) / 1:4 (1 cement: 4 coarse sand			
a	11.26.1	20 to 25 mm thick -	sqm	250.05	1252.70
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.mm thick	Sqm	13.50	669.00
4	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	5.49	1775.30
5		Extra Cost for Carriage of Material			
a		Sone Sand (45 km from Koelwar)	Cum	6.60	1132.90

b		Difference of Cost of Cement	tonn	3.35	234.62
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Quoted Rates:for schedule item

- a- 0 0 0 0 0 0 % above
- b- 0 0 0 0 0 0 % below
- c- 0 0 0 0 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 : 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 ..
- 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.- 06 /IGIMS/ Engg Cell/CW/Tender/2023-24

Sl. No.	Name of the Work :-		Repair aluminum partition work in RIO (106,107,108) painting work of RIO -106 corridor and other Miscellaneous work in OPD area at IGIMS, Patna-14		
1	Estimated Cost (In Rs.) :-		Rs. 3,07,277/-		
2	Earnest Money (In Rs.) :-		Rs. 6,200/-		
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	15.57	Dismantling aluminium/Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material within 50 m lead as directed by Engineer-in-charge.	sqm	118.80	23.70
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	26.98	30.70
3	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.	303.18	54.30
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	303.18	9.70
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	13.90	795.00
6	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	13.08	1,638.80
7	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	1.00	2,778.00
8	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	267.96	386.10
9	21.3	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):			
a	21.3.2	With float glass panes of 5.5 mm thickness	sqm	24.57	1,115.10
b	21.3.3	With float glass panes of 8 mm thickness(weight not less than 20 kg/sqm). sqm 1285.60	sqm	1.13	1,285.60
10	21.18	Providing and fixing 12 mm thick frameless toughened glass door shutter of approved brand and manufacture, including providing and fixing top & bottom pivot & spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-in-charge (Door handle, lock and stopper etc.to be paid separately).	sqm	1.62	5,143.00
11	21.2	Providing and fixing 12 mm thick prelaminate particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge.			
a	21.2.1	Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side	sqm	18.36	841.00
12	9.82	Supply and fixing bright finished brass hanging type floor door stopper with necessary screws etc complete	Each	10.00	108.10
13	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	10.00	210.10
14	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	10.00	111.40
b	9.97.4	150x10 mm	Each	10.00	71.60
15	9.100.2	Providing and fixing alluminium handles anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with necessary screws etc. complete 100mm	Each	10.00	50.30
16	21.4	Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with			

		double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge.			
a	21.4.1	With stainless steel cover plate minimum 1.25 mm thickness	sqm	6.00	2,283.80
17	10.36	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	kg.	59.00	546.80
18	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :	each	8.00	434.20
19	18.50	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms	each	10.00	715.10
		<u>Civil Non Schedule</u>			
20	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	19.13

Quoted Rates:for schedule item

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

NOTE:-

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- 4- Registration No. :-
- 5- Time of completion :-

Signature of Contractor

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

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-07

SHORT URGENT TENDER NOTICE NO.- 06 /IGIMS/ Engg Cell/CW/Tender/2023-24

Sl. No.	Name of the Work :-		Brick seating bench near vaccination centre and OPD block at IGIMS, Patna-14		
1	Estimated Cost (In Rs.) :-		Rs. 2,82,951/-		
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	15.3	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material withing 50 metres lead:	Cum	2.00	1,411.20
2	15.7	Demolishing brick work including stacking of serviceable material and disposal of unserviceable material within 50 meters lead:			
a	15.7.4	In cement mortar	cum	1.00	823.70
3	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete	Cum	19.34	287.30
4	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	3.50	4,688.30
5	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	303.85	94.50
6	5.9	Centring and shuttering including strutting,propping etc. and removal of form for.			
a	5.9.5	Lintels, beams, plinth bams, griders, bressumers and contilevers.	sqm	10.00	404.70
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	1.00	3,998.10
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.	46.80	599.30

9	6.19B	Extra for half Brick masonry in superstructure above pinth level upto floor V level.	sqm.	46.80	89.70
10	13.12.2	15 mm cement plaster on rough side of single or half brick wall of mix 1:4 (1 cement: 4 coarse sand)	Sqm.	16.00	176.40
11	13.26	Neat cement punning	Sqm.	16.00	40.50
12	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 (1 cement: 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.	80.03	1,900.90
13		Extra cost for carriage of Material			
a		Local Sand	Cum	25.00	310.47
b		Sone Sand (45 km from Koelwar)	Cum	6.00	1,132.90
c		Stone Aggregate ,(110 Km From Gaya Manpur)	Cum	4.00	2,464.45
d		Bricks (7P+ 1K)	% o	3.15	840.43
e		Difference of Cost of Bricks	% o	3.15	1,420.51
f		Difference of Cost of Cement	tonn	5.10	234.62

Quoted Rates:for schedule item

- a- ō ō ō ō ō ō % above
b- ō ō ō ō ō ō % below
c- ō ō ō ō 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-08

SHORT URGENT TENDER NOTICE NO.- 06 /IGIMS/ Engg Cell/CW/Tender/2023-24

Sl. No.	Name of the Work :-		Civil and Electrical work for 2nd Drinking water facility in front of Ward Block at IGIMS, Patna-14		
1	Estimated Cost (In Rs.) :-		Rs. 11,09,366/-		
2	Earnest Money (In Rs.) :-		Rs. 22,190/-		
3	Cost of B.O.Q. (In Rs.) :-		Rs. 2500/-		
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	2.39	823.70
2	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	15.50	795.00
3	9.147D.1	Providing and fixing factory made uPVC white colour sliding glazed window upto 1.50 m in height dimension comprising of uPVC multichambered 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 powder coated) touch locks with hook, zinc alloy body with single nylon rollers (weight bearing capacity to be 40 kg), 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, 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 sealent 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, wire mesh and silicon sealent shall be paid separately) Note: For uPVC frame and sash extruded profiles minus 5% tolerance in dimension i.e. in			

		depth & width of			
a	9.147D.1	Two track two panels sliding window made of (small series) frame 52 x 44 mm & sash 32 x 60 mm both having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension. (Area of window upto 1.75 SQM.)	Sqm.	23.28	7074.90
4	21.8	Filling the gap in between aluminium frame & adjacent RCC/ Brick/ Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete.			
a	21.8.1	Upto 5mm depth and 5 mm width	mtr.	23.90	85.20
5	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	21.45	1115.10
6	12.5	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer non both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	sqm	24.75	625.10
7	12.51	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15- 18 microns using self drilling/ self tapping screws complete :			
a	12.51.1	Ridges plain (500 - 600mm)	sqm.	5.40	396.80
8	13.80.A.2	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	Sqm.	26.68	81.10
9	13.46	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade			
a	13.46A.1	New work (Two or more coat applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior	sqm	26.68	132.50
10	9.133.2.1	Non-asbestos multipurpose cement board reinforced withcellulose fibre manufactured through autoclaving process(high pressure steam cured) as per IS :14862 with suitable fibre cement screw 8 mm thick. (everest Havy duty or its equavalant.)	sqm	26.68	853.10
11	11.72	Providing designation 100 A one brick flat soling joints filled with local sand including cost of watering, taxes, royalty all complete as per building specification and direction of E/I,	sqm	8.21	283.30
12	5.1	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of entring,shuttering,finishing and reinforcement-All work puto plinth level			
a	5.1.2	1:1:5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate 20 mm nominal size)	cum	1.20	4688.30
8	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	140.00	92.60
13	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	4.1.2	1:1.5:3(1 Cement :1.5 coarse sand:3 graded stone aggregate 20 mm nominal size)	cum	6.33	4420.80
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	4.40	5017.90
15	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	75.00	4401.20
16	18.76	Cutting holes up to 30x30 cm in walls including making good the same			
a	18.76.1	With common burnt clay F.P.S. (non modular) bricks	each	15.00	198.50
17	13.82	Painting with ready mixed paint of approved brand and manufacture in all shades to give an even shade:			
a	13.82.1/2	New steel work /New wood work(two or more coats)	sqm	37.32	83.50
18	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	300.00	144.50
19	10.16.1	Steel work in built up tubular trusses including cutting, hoisting, fixing in position and applying a priming coar of approved steel primer, welded and bolted including special shaped washers etc. complete:Hot finished welded type tubes	kg	1038.00	123.90
20	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)			
a	18.9.2	20 mm nominal outer dia pipes	metre	32.00	205.30
b	18.9.4	32 mm nominal outer dia Pipes	metre	45.00	359.10
21	18.46	Providing and fixing G.I. Union in G.I. pipe including cutting andthreading the pipe and making long screws etc. complete (New work) :			
a	18.46.2	20 mm nominal bore	each	10.00	185.60
b	18.46.4	32 mm nominal bore	each	10.00	306.00
22	18.18	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete			
a	18.18.2	20 mm nominal bore	each	2.00	397.40
23	12.78	Providing and fixing on wall face unplastidse -PVC (working pressure 4 kg per sqm) rain water pipes conforming to IS:4985 including jointing with seal ring conforming to IS:5382 leaving 10 mm gap for thermal expansion.			

a	12.78.2	110 mm diameter	metre	16.50	257.50
24	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			
	12.79.3.2	110 mm	each	6.00	193.40
b	12.79.5	Band 87.5°			
	12.79.5.2	110mm bend	each	6.00	132.00
c	12.79.4	Single tee without door			
	12.79.4.2	110x110x110 mm	each	6.00	190.70
25	18.5	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	12.00	715.10
26	18.52	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931			
a	18.52.1	15 mm nominal bore	each	5.00	594.80
27	10.36	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	kg.	310.00	546.80
28		Extra cost for carriage of Material			
a		Sone Sand (45 km from Koelwar)	Cum	6.50	1132.90
b		Stone Aggregate ,(110 Km From Gaya Manpur)	Cum	6.20	2464.45
c		Bricks (7P+ 1K)	%o	2.50	840.43
d		Difference of Cost of Bricks	%o	2.50	1420.51
e		Difference of Cost of Cement	tonn	3.95	234.62
	BCD-2018	ELECTRICAL WORK			
1	1.3	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required.			
a)	1.3.3	Group -C	Each	8.00	724.00
2	1.33	Supplying and fixing 2 pin, 6 amp ceiling rose on the existing junction box/ wooden block including connection etc as required.	Each	10.00	42.00
3	1.7	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed medium			

		class PVC conduit as required			
a)	1.7.2	2 x 2.5 sq.mm. + 1 x 2.5 sq.mm. earth wire	Meter	32.00	161.00
b)	1.7.3	2 x 4 sq.mm. + 1 x 4 sq.mm. earth wire	Meter	35.00	200.00
4	1.27	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.			
a)	1.27.4	6 Module(200mmx75mm)	Each	5.00	275.00
5	1.24	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required			
a)	1.24.3	15/16 Amps switch	Each	10.00	134.00
b)	1.24.5	6 pin 15/16 Amps socket outlet	Each	10.00	185.00
6	5.10.3	Supplying and Fixing recess mounted 12 watt LED vertical down lighter complete with all accessories and replaceable electronic driver , directly on false ceiling including connection with 1.5sqmm FR PVC insulated copper conductor cable and earthing the body etc. as required.	Each	9.00	971.00
7	8.11.4	Supply and installation of 300 mm, 230 v A.C. exhaust fan in the existing opening including making good the damage, connection testing, commissioning etc as required.	Each	1.00	1483.00

Quoted Rates:for schedule item

- a- 0 0 0 0 0 0 % above
- b- 0 0 0 0 0 0 % below
- c- 0 0 0 0 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 :0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 ..
- 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.- 06 /IGIMS/ Engg Cell/CW/Tender/2023-24

Sl. No.	Name of the Work :-		Repair, Painting and Renovation work of Principal chamber in Nursing college at IGIMS, Patna-14		
1	Estimated Cost (In Rs.) :-		Rs. 4,37,291/-		
2	Earnest Money (In Rs.) :-		Rs. 8,800/-		
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	15.23	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.		-	
a	15.23.1	For thickness of tiles 10 mm to 25 mm	sqm	3.24	30.70
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	1.19	3,998.10
3	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
4	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-InÉCharge. {Note: stainless steel butt hinges and necessary S.S screws shall be paid separately)			
a	26.87.1	30 mm thick	Sqm.	8.64	3,866.50
6	9.1.2	Providing sal wood work in frame of doors(choukhats) and fixed in position.	Cum	0.15	95,670.70
5	9.82	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with necessary screws etc. complete.	each	10.00	108.10

9	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	16.04	1,115.10
b	21.3.3	With float glass panes of 8 mm thickness(weight not less than 20 kg/sqm).	sqm	6.64	1,285.60
10	12.54x	Providing and fixing GI Clip in Metal Ceiling System of 600x600 mm module which includes providing and fixing 'C' wall angle of size 20x30x20 mm made of 0.5 mm thick pre painted steel along the perimeter of the room with help of nylon sleeves and wooden screws at 300 mm center to centre, suspending the main C carrier of size 10x38x10 mm made of G.I steel 0.7 mm thick from the soffit with help of soffit cleat 37x27x25x1.6 mm, rawl plugs of size 38x12 mm and C carrier suspension clip and main carrier bracket at 1000 mm c/c. Inverted triangle shaped Spring Tee having height of 24 mm and width of 34 mm made of GI steel 0.45 mm thick is then fixed to the main C carrier and in direction perpendicular to it at 600 mm centers with help of suspension brackets. Wherever the main C carrier and spring T have to join,C carrier and spring T connectors have to be used. All sections to be galvanized @ 120 gms/sqm (both side inclusive), fixing with clip in tiles into spring			
a	12.54x1	Metal Ceiling Clip in plain Beveled edge global white color tiles of size 600x600 and 0.5 mm thick with 25 mm height, made of GI 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	Sqm.	31.50	1,626.30
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	3.24	686.80
12	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	17.28	669.00
13	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	40.17	237.20
14	13.80.	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. Complete	Sqm	427.71	9.70
15	13.77.2	Distemping with oil bound washa ble distemper of approved brand and manufacture to give an even shade .New work (two or more coats) over and including priming coat with cement primer	sqm	421.71	102.30
16	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm.	242.67	38.70
18	13.80 A.1	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete	Sqm.	185.04	81.10
19	9.119	Providing and fixing factory made P.V.C. door frame of size 50x47 mmwith a wall thickness of 5 mm,made out of extruded 5 mm rigid PVCfoam sheet, mitred at corners and	mtr.	1.89	379.40

		joined with 2 Nos. of 150 mm longbrackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineer-in-Charge			
	9.12	Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19 mm x 19 mm for styles and 15x15 mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5 mm thick heat moulded PVC C-channel of size 30 mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5 mm thick, 95 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5 mm x 2) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail. paneling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded/sealed to the styles & rails with 7 mm (5 mm+2 mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the C-Channel using PVC solvent adhesive etc. complete as per direction of Engineer-in-charge, manufacturer's specification & drawing			
	9.120.2	30 mm thick pre laminated PVC door shutters sqm	sqm	1.89	2,293.40
20	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
21	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	10.00	222.00
22	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	15.00	34.10
23	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	10.00	355.00
24	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/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm, modulus of elasticity 850 N/mm and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixing with stainless steel 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	43.03	2,625.10
25		Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid plain white color board for backing of cup boards and bathroom/kitchen cabinets etc. of required size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm, modulus of elasticity 850 N/mm and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixing with stainless steel screws etc. all as per direction of Engineer-In- Charge. (Note: stainless steel screws shall be paid separately)			
a	26.90.2	12 mm thick	sqm	7.20	1,454.90
	14.28	Providing and fixing brass curtain rods of wall thickness 1.25 mm with two brass brackets fixed with brass screws and wooden plugs etc. wherever necessary complete			
	14.28.1	20 mm diameter. Metre	mtr.	7.20	284.80
26	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 completeFixed to steel windows by welding	kg	235.26	144.10
44	12.78	Providing and fixing on wall face unplastidse -PVC (working pressure 4 kg per sqm) rain water pipes conforming to IS:4985 including jointing with seal ring conforming to IS:5382 leaving 10 mm gap for thermal expansion.			
a	12.78.1	75 mm diameter	metre	10.00	162.70
b	12.78.2	110 mm diameter	metre	10.00	257.50
45	12.79	Providing and fixing on wall face unplastidse -PVC molded fitting/accessories for unplasticised PVC rain water pipes conforming to S: 4985 including jointing with seal ring conforing to IS:5382 leaving 10 mm gap for thermal expansion.			
	12.79.2.1	Single pushfit coupler			
i	12.79.2.2	110 mm	each	3.00	374.60
b	12.79.3	Single tee with door			
i	12.79.3.2	110 mm	each	2.00	193.40
c	12.79.5	Band 87.5°			
ii	12.79.5.2	110mm bend	each	2.00	132.00
d	12.79.6	Shoe plain			
i	12.79.6.2	110 mm shoe	each	3.00	115.95
39	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	4.00	96.80
40	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	5.00	45.20
41	17.31	Providing and fixing 600x450 mm beveled edge mirror of superior glass(of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete	each	6.00	1,068.50
20	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	25.00	91.00
21	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :	each	15.00	434.20
22	18.52.1	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.	each	5.00	594.80
25	18.74	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour.			
a	18.74.2	15 mm nominal bore with 45 cm length	Each	14.00	108.00
	18.53	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931			
	18.53.1	15 mm nominal bore	each	8.00	500.40
26		Extra cost for carriage of Material			
a		Sone Sand (45 km from Koelwar)	Cum	1.39	1,132.90
b		Stone Aggregate ,(110 Km From Gaya Manpur)	Cum	1.06	2,464.45
e		Difference of Cost of Cement	tonn	0.69	234.62

Quoted Rates:for schedule item

- a- ò ò ò ò ò ò % above
b- ò ò ò ò ò ò % below
c- ò ò ò ò 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 :ò ò ò ò ò ò ò ò ò ò ò ò ò ò ò ò ..
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.- 06 /IGIMS/ Engg Cell/CW/Tender/2023-24

Sl. No.	Name of the Work :-		Repair and Painting work of old D-3/6, New E-3/4 and D-4/1 at IGIMS, Patna-14		
1	Estimated Cost (In Rs.) :-		Rs. 2,73,505/-		
2	Earnest Money (In Rs.) :-		Rs. 5,500/-		
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 excluding the cost of centring and shuttering-all work upto plinth level.			
a	4.1.3	1:2:4(1 Cement: 2 coarse sand:4 graded stone aggregate 20 mm nominal size)	cum	1.00	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	140.00	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	1,400.00	9.70
4	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	1,400.00	33.20
5	13.78.2	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm.	1,400.00	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.	200.00	81.10
7	13.46	Finishing walls with Acrylic Smooth exterior paint of required shade :			
8	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.	460.00	54.30
9	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	3.89	599.30
10	13.18	15 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement on the rough side of single or half brick wall	sqm	41.27	229.30

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	6.00	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	7.55	1,638.80
13	12.78	Providing and fixing on wall face unplasticised-PVC(working pressure 4 kgf per sqm) rain water pipes conforming to IS :4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion.			
a	12.78.2	110 mm diameter	metre	8.30	257.50
14	12.79	Providing and fixing on wall face unplasticised -PVC molded fittings/accessories for unplasticised-PVC rain water pipes conforming to (S:4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion.			
a	12.79.5	Band 87.5			
i	12.79.5.2	110mm	each	4.00	132.00
16	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	0.50	360.70
	9.7	Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc.complete:			
	9.70.2	100X58X1.90 mm	Each	5.00	75.60
19	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	5.00	111.40
20	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	5.00	57.10
21	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	3.54	1,775.30
22	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	3.54	401.40
33	2.37	Diluting and injecting chemical emulsion for POSTCONSTRUCTIONAL			

		anti-termites' treatment(including the cost of chemical emulsion)			
a	2.37.5	Treatment at points of contact of wood work by chemical emulsion chlordane. (in oil or kerosene based solution)® 0.5 litres per hole by drilling 6 mm dia holes at downward angle of 45 degree at 150 mm centre to centre and sealing the same.	metre	150.00	270.20

Quoted Rates:for schedule item

- a- 0 0 0 0 0 0 % above
- b- 0 0 0 0 0 0 % below
- c- 0 0 0 0 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 :0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 ..
- 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-11

SHORT URGENT TENDER NOTICE NO.- 06 /IGIMS/ Engg Cell/CW/Tender/2023-24

Sl. No.	Name of the Work :-	Drain Cleaning work in Hospital campus along with north side of Boundary wall area at IGIMS, Patna-14
1	Estimated Cost (In Rs.) :-	Rs. 4,07,694/-
2	Earnest Money (In Rs.) :-	Rs. 8,200/-
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	15.3	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material withing 50 metres lead:	cum	1.00	1,411.20
7	4.1	Providing and laying in position cement concrete of specified grade exluding the cost of centring and shuttering-all work upto plinth level.			
	4.17	Making plinth protection 50 mm thick of cement concrete 1:3:6 (1 cement :3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75 mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth	sqm	50.00	436.60
a	4.1.3	1:2:4(1 Cement: 2 coarse sand:4 graded stone aggregate 20 mm nominal size)	cum	3.00	3,998.10
8	5.1	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of entring,shuttering,finishing and reinforcement-All work puto plinth level			
a	5.1.2	1:1.5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate 20 mm nominal size)c	Cum	2.00	4,688.30
9	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	3.00	4,923.00
	19.35	Providing and laying Non Pressure NP-3 class (Medium duty) R.C.C. pipes including collars/spigot jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete			
a	19.35.1	450 mm dia RCC pipes.	per meter	10.00	2,167.10
12	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	50.00	94.50
b	5.22.7B	Thermo-Mechanically Treated bars TMTC-500-10mm dia.	kg	50.00	92.60

13	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
14	13.11.2	Cement plaster in course sand 12 mm cement plaster of mix:1:4(1 cement :4 coarse sand)	Sqm.	20.00	152.90
15	13.26	Neat cement punning	Sqm.	20.54	40.50
17	19.3	Constructing brick masonry chamber for underground C.I.inspection chamber and bends with bricks in cement mortar 1:4 (1cement : 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	Inside dimensions 455x610 mm and 45 cm deep for single pipe line :			
i	19.30.3.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	1.00	5,942.00
19	19.19.1	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality L D- 2.5			
a	19.19.1.1	Rectangular shape 600x450 mm internal dimensions	each	20.00	1,120.60
b	19.19.1.2	Square shape 450 mm internal dimensions	each	5.00	946.80
20	2.25	Pumping out water caused by springs, tidal or river seepage, broken water mains or drains and the like.	kl.	133.00	107.20
21		Extra cost for carriage of Material			
a		Local Sand / Earth soil (3 Km)	Cum		310.47
b		Sone Sand (45 km from Koelwar)	Cum	4.18	1,132.90
c		Stone Aggregate ,(110 Km From Gaya Manpur)	Cum	6.15	2,464.45
e		Difference of Cost of Bricks	%o	1.48	1,420.51
f		Difference of Cost of Cement	tonn	3.35	234.62
		CIVIL NON-SCHEDULE			
22	NSI	Supplying Labour and Tools for cleaning of filled up and choked manhole chamber and different size sewer line including disposal silt with all necessary arrangement .	cum	275.00

Quoted Rates:for schedule item

- a- 0 0 0 0 0 0 % above
- b- 0 0 0 0 0 0 % below
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Signature of Contractor

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