



INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-01

SHORT URGENT TENDER NOTICE NO.- Engg. /09/ CW/Tender/2021-22

Sl. No.	Name of the Work :-	Miscellaneous Work in Bio-Chemistry and NICU at IGIMS, Patna		
1	Estimated Cost (In Rs.) :-	Rs. 7,11,000/-		
2	Earnest Money (In Rs.) :-	Rs. 14,250/-		
3	Cost of B.O.Q. (In Rs.) :-	Rs. 1,250/-		
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.	Item Description	Unit	Qty.	Rate
	CIVIL SCHEDULE			
1	Providing and fixing flush door shutter of century board or greenply or kitply have non decorative typecore of block board 32 mm t hick including anodised aluminium butt highest with necessary screws aluminium handle, l-drope, twoer bold etc as per specification of E/S.	Sqm.	9.63	2,750.92
2	Diluting and injecting chemical emulsion for POSTCONSTRUCTIONAL antitermites' treatment(including the cost of chemical emulsion)			
3	Along external wall where the apron is not provided using chemical imulsion @ 7.5 liters / sqm of the vertical surface of the substructure to a depth of 300 mm including excavation channel along the wall & rodding etc. complete: With chlorpyriphos/Lindone E.C. 20% with 1% concentration	meter	468.93	38.90
4	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).			
a	Sal wood	cum	0.24	94,881.90
5	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	1.0 mm thick	sqm	310.65	634.60
6	Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for			

	panelled or panelled and glazed shutters 25 mm to 40 mm thick:			
a	5.5 mm thick glass pane.	sqm	1.71	1,505.60
7	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 an engineer-in-charge	sqm	0.59	1,609.32
8	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches etc. Complete	Sqm	52.86	9.10
9	Distemping with oil bound washable Distemper of approved brand and manufacture to give an even shade. Old work (one or more coats)	sqm	52.86	31.60
10	Applying one coat of distemper primer of approved brand and manufacture on wall surface: Distemper primer	Sqm.	52.86	36.80
11	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade: Two or more coats on new work	Sqm.	23.18	51.50
12	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.	52.86	77.70
13	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering-all work upto plinth level.			
a	1:1.5:3 (1 Cement: 1.5 coarse sand: 3 graded stone aggregate 20 mm nominal size)	cum	1.60	4,380.40
14	Brick work with bricks of class designation 100A in foundations and plinth in : Cement mortar 1 : 4 (1 cement: 4 coarse sand).	Cum	1.87	5,048.20
15	15 mm cement plaster on rough side of single or half brick wall of mix 1:4 (1 cement: 4 coarse sand)	Sqm.	71.00	168.50
16	Providing and laying D.I. Specials of Class K - 12 suitable for mechanical jointing as per IS : 9523 :			
a	Up to 600 mm dia	quintal	1.10	17,829.90
17	Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc.	each	3.00	105.30
18	Providing and fixing aluminium sliding door bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc.			
a	250x16mm	each	3.00	208.30
19	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with necessary screws etc.:			
a	300x10mm	each	6.00	111.00
b	150x10mm	each	6.00	71.20
19	Providing and fixing aluminium handles anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with necessary screws etc. complete 125mm	Each	6.00	56.80
20	Providing and fixing bright finished brass handles with screws etc. complete:			

a	100mm	each	24.00	186.70
21	Providing M.S. Piano hinges ISI marked IS : 3818 finished with nickel plating and fixing with necessary screws etc., complete.			
a	Overall width 50 mm	meter	18.29	170.40
22	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	50 mm	each	12.00	211.70
23	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete			
a	Double strip (horizontal type)	each	24.00	31.00
24	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	6.00	14.80
25	Providing and fixing 50 mm bright finished brass cup board or wardrobe knob of approved quality with	each	24.00	56.20
26	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	5.00	958.80
27	Extra cost for carriage of Material			
a	Sone Sand (45 km from Koelwar)	Cum	3.62	877.70
b	Stone Aggregate ,(156 Km From Domchch, Koderma	Cum	1.36	1,865.91
c	Bricks (7P+ 1K)	%o	0.92	682.47
d	Difference of Cost of Bricks	%o	0.92	1,463.49
e	Difference of Cost of Cement	tonn	2.28	236.95
CIVIL NON SHEDULE ITEM				
28	Providing and fixing 12mm 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	38.493	
29	Providing and fixing 19 mm thick entutuary/Green ply of approved brand. For cup-board , ward robe , partition / panelling Etc. All complete as per chiectural drawings and directions of engineer-incharge	sqm	124.82	

Quoted Rates:for schedule item

- a- õ õ õ õ õ õ % above
- b- õ õ õ õ õ õ % below
- c- õ õ õ õ 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 :õ õ õ õ õ õ õ õ õ õ õ õ õ õ õ õ ..
- 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. /09/ CW/Tender/2021-22

Sl. No.	Name of the Work :-	Replacement of false ceiling Tiles of Auditorium and Kota stone flooring in Oxygen Plant at IGIMS, Patna
1	Estimated Cost (In Rs.) :-	Rs. 14,98,700/-
2	Earnest Money (In Rs.) :-	Rs. 30,000/-
3	Cost of B.O.Q. (In Rs.) :-	Rs. 2,500/-
4	Time of completion :- (In Days)	30 Days
5	Date, time & place for submission of Complete tender-	As Per NIT
6	Date and time for opening of tender- (Technical Bid)-	As Per NIT
7	Date & Time for opening of Price Bid of Technically Suitable bidders.	As Per NIT

Sl. No.	Item Description	Unit	Qty.	Rate
	CIVIL SCHEDULE			
1	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.	475.00	22.20
2	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 (galvanized@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 size 24x24x3000 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	With 16 mm thick beveled tegular mineral fibre false ceiling tile (NRC 0.55 to 0.6)	Sqm.	475.00	1,786.30
3	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 challies, 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.	2,128.00	167.30
4	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	20 to 25 mm thick -	Sqm.	83.00	1,153.80
5	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	1,220.45	117.70
6	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:Two or more coats on new work	Sqm.	40.00	80.30
7	Non-asbestos multipurpose cement board reinforced with cellulose fibre manufactured through autoclaving process (high pressure steam cured) as per IS :14862 with suitable fibre cement screw 8 mm thick. (everest Havy duty or its equavalant.)	sqm	19.42	704.00
8	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including	Sqm	115.00	9.10

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-03

SHORT URGENT TENDER NOTICE NO.- Engg. /09/ CW/Tender/2021-22

Sl. No.	Name of the Work :-	Aluminum partition work, sound proof Room in ENT ward and PVC Flooring in ENT Modular O.T area at IGIMS, Patna		
1	Estimated Cost (In Rs.) :-	Rs. 14,73,453/-		
2	Earnest Money (In Rs.) :-	Rs. 29,500/-		
3	Cost of B.O.Q. (In Rs.) :-	Rs. 2,500/-		
4	Time of completion :- (In Days)	30 Days		
5	Date, time & place for submission of Complete tender-	As Per NIT		
6	Date and time for opening of tender- (Technical Bid)-	As Per NIT		
7	Date & Time for opening of Price Bid of Technically Suitable bidders.	As Per NIT		
Sl. No.	Item Description	Unit	Qty.	Rate
	CIVIL SCHEDULE			
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.	236.50	382.40
2	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	34.51	1,609.32
3	Providing and fixing aluminium sliding door bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour			

	or shade, with nuts and screws etc.			
a	250x16mm	each	5.00	208.30
4	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with necessary screws etc.:			
a	300x10mm	each	5.00	111.00
b	150x10mm	each	5.00	71.20
5	Providing and fixing aluminium handles anodised(anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with necessary screws etc. complete 125mm	Each	12.00	56.80
6	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	5.00	958.80
7	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).			
a	Sal wood	cum	0.038	94,881.90
8	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	Area of slab over 0.50 sqm	sqm	5.04	4,028.50
9	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	Granite work	rmt	17.20	249.30
10	Steel work in built up tubular trusses including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, welded and bolted including special shaped washers etc. complete: Hot finished welded type tubes	kg	205.00	117.70
11	Providing and fixing bright finished brass handles with screws etc. complete:			
a	100mm	each	10.00	186.70
12	Providing M.S. Piano hinges ISI marked IS : 3818 finished with nickel plating and fixing with necessary screws etc., complete.			

a	Overall width 50 mm	meter	10.00	170.40
13	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete:			
a	100x10 mm	each	20.00	35.10
14	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	50 mm	each	10.00	211.70
15	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete			
a	Double strip (horizontal type)	each	10.00	31.00
16	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	10.00	14.80
17	Providing and fixing powder coated telescopic drawer channels 300 mm long with necessary screws etc. complete as per directions of Engineer-in-charge.	each set	10.00	339.70
18	Providing and fixing 50 mm bright finished brass cup board or wardrobe knob of approved quality with	each	10.00	56.20
19	Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge.			
a	12.5 mm thick square edge PVC Laminated Gypsum Tile of	sqm	16.26	1,660.40

	size 595x595 mm, made of Gypsum plasterboard, manufactured from natural gypsum as per IS 2095 part I and laminated with white 0.16mm thick fire retardant PVC film on the face side and 12micron metalized polyester on the back side with all edges sealed with the face side PVC film which goes around and wraps the edges and is bonded to the edges and the back side metalized polyester film so as to make the tile a completely sealed unit.			
20	Providing and fixing thermal insulation with Resin Bonded Fibre glass wool conforming to IS: 8183 having density 24 kg/m ³ , 50 mm thick, wrapped in 200G Virgin Polythene Bags fixed to wall with screw, rawel plug & washers and held in position by criss crossing GI wire etc. complete as per directions of Engineer-in-Charge.	sqm	44.38	274.90
21	Providing and fixing flush door shutter of century board or greenply or kitply have non decorative typecore of block board 32 mm thick including anodised aluminium butt highest with necessary screws aluminium handle, l-drope, twoer bold etc as per specification of E/S.	Sqm.	3.78	2,750.92
22	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	1.0 mm thick	sqm	405.00	634.60
23	Providing, assembling and supplying vision glass panels (IGUs) comprising of hermetically-sealed 6-12- 6 mm insulated glass (double glazed) vision panel units of size and shape as required and specified, comprising of an outer heat strengthened float glass 6mm thick, of approved colour and shade with reflective soft coating on surface # 2 of approved colour and shade, an inner Heat strengthened clear float glass 6mm thick, spacer tube 12mm wide, dessicants, including primary seal and secondary seal (structural silicone sealant) etc. all complete for the required performances, as per the Architectural drawings, as per the approved shop drawings, as specified and as directed by the Engineer-in-Charge. The IGUs shall be assembled in the factory/ workshop of the glass processor. (Payment for fixing of IGU Panels in the curtain glazing is included in cost of item No.26.2)For payment, only the actual area of glass on face # 1 of the glass panels (excluding the areas of the grooves and weather silicone sealant) provided and fixed in position, shall be measured in sqm.			
a	(i) Coloured tinted float glass 6mm thick substrate with reflectivesoft coating on face # 2, + 12mm Airgap + 6mm HeatStrengthened clear Glass of approved make having properties asvisible Light transmittance (VLT) of 25 to 35 %, Light reflectioninternal 10 to 15%, light reflection external 10 to 20 %, shadingcoefficient (0.25-0.28) and U value of 3.0 to 3.3 W/m ² degree Ketc. The properties of	sqm	5.71	3,250.90

	performance glass shall be decided by technical sanctioning authority as per the site requirement.			
	CIVIL NON SCHEDULED ITEM			
24	Providing and fixing 12mm thick Centutary/Green ply of approved brand. For cup-board , ward robe , partition / panelling Etc. All complete as per archiectural drawings and directions of engineer-incharge	sqm	159.98	.....
25	Providing and fixing 19 mm thick entutary/Green ply of approved brand. For cup-board , ward robe , partition / panelling Etc. All complete as per chiectural drawings and directions of engineer-incharge	sqm	105.96	.....
26	FLOORING: P& F flexible PVC Sheet flooring in 2.0 mm sheomess in the size of 2mx20miter area classification 23/34/43. Results from independent testing demonstrate that product inherently inhibits the growth of microbial strain MRSA. It shall be homogeneous single layer and monolayer in construction, and shall be manufactured by calendaring and pressing, to ensu8re a dense & smooth. The flooring shall incorporate a specially formulated polyurethane reinforcement, to give life long polish free maintenance. Homogeneous PVC Vinyl flooring (imported) with total weight 3250 g/m2 polyurethane reinforced 9PUR), Abrasion group: 50.15mm, residual identification approx..01 mm, castor wheel test qualified, dimensional stability EN-434, Static electrical charge < 2kv, impact sound reduction approx, good resistance of scratch, slip, chemical and fire doesn't's favour in growth of fungi & bacteria, BRE certified class 'A'	sqm	90.97	.....
27	Providing and Fixing flexible Apex Tiles carpet (50cmx50cm)	sqft	154.00	.....
28	Providing and Fixing Whit Hilton Foam (6/3)	each	7.00	.....
	Electrical Scheduled Item			
29	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)	Group -C	Each	8.00	724.00
30	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)	2 x 2.5 sq.mm. + 1 x 2.5 sq.mm. earth wire	Meter	26.00	161.00
b)	2 x 4 sq.mm. + 1 x 4 sq.mm. earth wire	Meter	160.00	200.00
31	Supplying and fixing 2 pin, 6 amp ceiling rose on the existing junction box/ wooden block including connection	Each	8.00	42.00

	etc as required.			
32	Supplying and fixing following amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.			
a)	6/32 Amps Single Pole	Each	5.00	192.00
33	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.			
a)	1 or 2 Module(75mmx75mm)	Each	2.00	180.00
b)	6Module(200mmx75mm)	Each	14.00	275.00
34	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required			
a)	15/16 Amps switch	Each	28.00	134.00
b)	3 pin 5/6 Amps socket outlet	Each	3.00	122.00
c)	5/6 amps switch	Each	1.00	81.00
d)	6 pin 15/16 Amps socket	Each	28.00	185.00
35	Supplying and fixing modular type 25 amps A.C. Unit box with ON/OFF MCB on surface or in recess complete with connection, testing and commissioning etc as required	Each	1.00	594.00
36	Supplying and fixing recess mounted 12 watt LED vertical downlighter complete with all accessories and replaceable electronic driver, directly on false ceiling including connections with 1.5 sq.mm FR PVC insulated copper conductor cable and earthing the body etc. as required.	Each	15.00	971.00
	Electrical Non-Scheduled Item			
37	Supply and installation of 450 mm, 230 v A.C. wall/cabin fan including fixing the bracket, & aluminium body making connection, testing, commissioning etc as required	Each	2.00	.....
38	Supply of split A.C 2 Ton cooling capacity 6800w refrigerant R32 230V copper condenser coil star rating 3 connection pipe 15.87 mm and 6.3 mm each having length of 3.5 meter connecting cable 3.5 meter (Make- Voltas/Hitachi/LLOYD/O-General/Daikin or equivalent make)	Each	1.00	.....
39	Supply installation of 4 KVA voltage stabiliser input voltage 160-270 volts out put 220 volts with time delay	Each	1.00	.....
40	Installation charge for Split Air Conditioner	Each	1.00	.....
41	Supplying and fixing of Refrigerant copper pipe 6.4 mm Dia (13 mm thick Nitrile)	meter	5.00	.....
42	Supplying and fixing of Refrigerant copper pipe 12.7 mm Dia (13 mm thick Nitrile)	meter	5.00	.....
43	Supplying and fixing of 3 core X2.5 sq mm copper cable	meter	5.00	.....
44	Supplying and fixing of 25 mm Dia PVC Flexible drain pipe	meter	5.00	.....

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-04

SHORT URGENT TENDER NOTICE NO.- Engg./09/ CW/Tender/2021-22

Sl. No.	Name of the Work :-	Establishment of LPA-I and LPA-II in microbiology Department at IGIMS, Patna		
1	Estimated Cost (In Rs.) :-	Rs. 10,10,800/-		
2	Earnest Money (In Rs.) :-	Rs. 20,250/-		
3	Cost of B.O.Q. (In Rs.) :-	Rs. 2,500/-		
4	Time of completion :- (In Days)	30 Days		
5	Date, time & place for submission of Complete tender-	As Per NIT		
6	Date and time for opening of tender- (Technical Bid)-	As Per NIT		
7	Date & Time for opening of Price Bid of Technically Suitable bidders.	As Per NIT		
Sl. No.	Item Description	Unit	Qty.	Rate
	CIVIL SCHEDULE			
1	Demolishing brick work including stacking of serviceable material and disposal of unserviceable material within 50 meters lead:			
a	In cement mortar	cum	5.63	773.50
2	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	With cement mortar 1:4	Sqm	50.00	225.60
3	Providing and fixing anodised aluminium work for doors, windows, ventilator and partitions with extruded built up standard tubular and other sections of approved make conforming to IS : 733 and IS : 1285, anodised transparent or dyed to required shade according to IS : 1868, (Minimum anodic coating of grade AC 15), fixed with .rawl plugs and screws or with fixing clips , or with expansion hold fastners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/paneling, C.P. brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing For fixed portion and panelling to be paid for separately	kg	273.21	382.40

4	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	154.08	1,609.32
5	Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick:			
a	Float glass panes. 5.5 mm thick glass pane.	sqm	9.48	1,505.60
6	Providing and fixing aluminium sliding door bolt anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with nuts and screws etc. complete: 250x 16 mm	Each	7.00	208.30
7	Providing and fixing aluminium sliding tower bolt anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with nuts and screws etc. complete:			
a	300x10 mm	Each	7.00	111.00
b	150x10 mm	Each	7.00	71.20
8	Providing and fixing aluminium handles anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour and shade with necessary screws etc. complete 100mm	Each	14.00	56.80
9	Providing and fixing 18 mm thick gang saw cut, mirror polished, pre-moulded and pre-polished, 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	Area of slab over 0.50 sqm	sqm	6.68	4,028.50
10	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	429.77	521.00
11	Providing and fixing false ceiling at all height including providing and fixing of frame work made of special			

	<p>sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37 mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50 mm long with 6 mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25 mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with :</p>			
a	12.5 mm thick tapered edge gypsum moisture resistant board	sqm	34.52	1,012.80
12	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete.	each	7.00	806.90
13	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	1.0 mm thick	sqm	78.58	634.60
14	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :			
a	25 mm dia nominal bore.	Each	5.00	869.20
15	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	110 mm diameter	rmt	10.00	252.60
	75 mm diameter	rmt	15.00	158.60
16	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	Coupler			
	110 mm	each	6.00	117.80
b	Single tee with door			
	110 x110 x110 mm dia PVC	each	2.00	191.20
	75 x75 x75 mm dia PVC	each	6.00	139.80
c	Single tee without door			
	110 x110 x110 mm dia PVC	each	5.00	188.60
d	Band 87.5			
	110 mm dia PVC	each	5.00	129.30
	75 mm dia PVC	each	5.00	89.90
17	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	20 mm dia nominal bore.	Each	6.00	170.60
b	25 mm nominal bore	Each	6.00	249.70
18	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	25 mm nominal outer dia Pipes	m	40.00	420.00
b	20 mm	m	18.00	336.10
19	Providing and fixing PTMT Waste Coupling for wash basin and			

	sink,of approved quality and colour.			
a	Waste coupling 38 mm dia of 83 mm length and 77mm breadth, weighing not less than 60 gms	each	6.00	118.50
20	Providing and fixing PTMT grating of approved quality and colour.125 mm nominal dia with 25 mm waste hole	each	5.00	51.30
21	Providing and fixing, in position concealed G.I. section for wallpaneling using board of required thickness fixed on the 'W' profile(0.55 mm thick) having a knurled web of 51.55 mm and two flanges of 26 mm each with lips of 10.55 mm, placed @ 610 mm C/C inperimeter channel having one flange of 20 mm and another flange of30 mm with thickness of 0.55 mm and web of length 27mm.Perimeter channel is fixed on the floor and the ceiling with thenylon sleeves @ 610 mm C/C with fully threaded self-tapping dry wallscrews. Board is fixed to the 'W' profile with 25 mm countersunkribbed head screws @ 200 mm C/C., all complete as per the drawing& directions of engineer-incharge, the joints of the boards are finishedwith specially formulated jointing compound and 48 mm wide jointingtape to provide seamless finish.			
a	Non-asbestos multipurpose cement board reinforced with cellulose fibre manufactured through autoclaving process (high pressure steam cured) as per IS :14862 with suitable fibre cement screw			
	8 mm thick	sqm	72.00	817.10
	CIVIL NON SHEDULE ITEM			
22	Providing and fixing 12mm 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	11.34	.....
23	Providing and fixing 19 mm thick entutuary/Green ply of approved brand. For cup-board , ward robe , partition / panelling Etc. All complete as per chiectural drawings and directions of engineer-incharge	sqm	33.62	.....
24	FLOORING: P& F flexible PVC Sheet flooring in 2.0 mm sheomess in the size of 2mx20miter area classification 23/34/43. Results from independent testing demonstrate that product inherently inhibits the growth of microbial strain MRSA. It shall be homogeneous single layer and monolayer in construction, and shall be manufactured by calendaring and pressing, to ensu8re a dense & smooth. The flooring shall incorporate a specially formulated polyurethane reinforcement, to give life long polish free maintenance. Homogeneous PVC Vinyl flooring (imported) with total weight 3250 g/m2 polyurethane reinforced 9PUR), Abrasion group: 50.15mm, residual identification approx..01 mm, castor wheel test qualified, dimensional stability EN-434, Static electrical charge < 2kv, impact sound reduction approx, good resistance of scratch, slip, chemical and firedoesnt's favour in growth of fungi &	sqm	36.00	.....

	bacteria, BRE certified class 'A'			
25	Providing and fixing Angular stop Cock with 65mm extension body all completed.PRAYAG Model no-PIS-10H or equivalent.	Each	6.00	.....

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 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.- Engg./09/ CW/Tender/2021-22

Sl. No.	Name of the Work :-	Construction M.S gate and Shade for Motorcycle Parking east side of New Boys Hostel at IGIMS, Patna
1	Estimated Cost (In Rs.) :-	Rs. 6,95,900/-
2	Earnest Money (In Rs.) :-	Rs. 14,000/-
3	Cost of B.O.Q. (In Rs.) :-	Rs. 1,250/-
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.	Item Description	Unit	Qty.	Rate
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	17.00	360.70
2	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete	cum	5.00	281.40
3	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	36.00	285.20
4	Providing and laying in position cement concrete of specified grade exluding the cost of centring and shuttering-all work upto plinth level.			
a	1:2:4(1 Cement: 2 coarse sand:4 graded stone aggregate 20 mm nominal size)	cum	2.00	3,832.50
5	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of tring,shuttering,finishing and reinforcement-All work puto plinth level			
a	1:1:5:3(1 cement: 1.5 coarse sand:3 graded stone aggregate 20 mm nominal size)c	cum	8.51	4,630.90
6	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.		-	

a	Thermo-Mechanically Treated bars TMTC-500-8mm dia	kg	240.00	70.60
b	Thermo-Mechanically Treated bars TMTC-500-10mm dia.	kg	550.00	69.20
7	Steel work in built up tubular trusses including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, welded and bolted including special shaped washers etc. complete:Hot finished welded type tubes	kg	2,788.00	117.70
8	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.Fixed to steel windows by welding	kg	545.00	116.90
9	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 on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 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	245.00	586.10
10	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:Two or more coats on new work	Sqm.	50.00	80.30
11	Centring and shuttering including strutting,propping etc. and removal of form for.			
a	Foundations, footings, bases of columns etc. for mass concrete.	sqm	55.00	203.00
12	Extra cost for carriage of Material			
a	Local Sand / Earth soil (3 Km)	Cum	5.50	260.70
b	Sone Sand (45 km from Koelwar)	Cum	4.45	877.70
c	Stone Aggregate ,(156 Km From Domchch, Koderma	Cum	8.95	1,865.91
d	Bricks (7P+ 1K)	%o	1.17	682.47

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-06

SHORT URGENT TENDER NOTICE NO.- Engg. /09/ CW/Tender/2021-22

Sl. No.	Name of the Work :-	PHED work in ward block all common Toilets (15 nos) all Floor at IGIMS, Patna		
1	Estimated Cost (In Rs.) :-	Rs. 4,09,440/-		
2	Earnest Money (In Rs.) :-	Rs. 8,200/-		
3	Cost of B.O.Q. (In Rs.) :-	Rs. 750/-		
4	Time of completion :- (In Days)	7 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.	Item Description	Unit	Qty.	Rate
	CIVIL SCHEDULE			
1	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	90.00	372.10
2	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	10 litre capacity - White	each	90.00	897.30
3	Providing and fixing PTMT pillar cock of approved quality and colour .			
a	15 mm nominal bore, 125 mm long foam flow, weighing not less than 120 gms	each	75.00	210.00
4	Providing and fixing uplasticised PVC connection pipe with brass ions :45 cm length 20 mm nominal bore	each	150.00	100.40
5	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	5.00	4,251.10

6	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 :W.C. pan with ISI marked white solid plastic seat and lid	each	2.00	4,090.60
7	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.			
a	Semi rigid pipe.32 mm dia	each	170.00	87.70
8	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.			
a	15 mm nominal bore	each	120.00	618.80
9	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	20 mm nominal outer dia Pipes	mtr	65.00	224.10
10	Providing and fixing G.I. Union in existing G.I. pipe line, cutting and threading the pipe and making long screws, including excavation,refilling the earth or cutting of wall and making good the same complete wherever required :20 mm nominal bore	each	20.00	371.50
11	Providing and fixing PTMT grating of approved quality and colour.125 mm nominal dia with 25 mm waste hole	each	20.00	51.30
12	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :			
a	50 mm dia nominal bore.	Each	20.00	869.20
13	Providing and fixing PTMT Waste Coupling for wash basin and sink,of approved quality and colour.			
a	Waste coupling 38 mm dia of 83 mm length and 77mm breadth, weighing not less than 60 gms	each	20.00	118.50
	CIVIL NON SHEDULE ITEM			
14	Providing and fixing Angular stop Cock with 65mm extension body all completed.prayag Model no-PIS10H or Equivalent.	each	81.00	.....
15	Providing and fixing Two way angle Cock with flange all completed.prayag Model no-PIS11H or Equivalent.	each	15.00	.....
16	Providing and fixing shower with arm all completed.arm size 300 mm long 6" overhead shower.prayag Model no-	each	2.00	.....

	BS-79S or Equivalent.			
17	Providing and fixing jet spray with 1 meter Tube stainless steel all completed.ESSCO model ALE-547 or Equivalent.	each	15.00	
18	Providing and fixing Hand shower (Health Faucet) with 8mm Dia,1meter Long Flexible Tube and wall Hook all completed.Jaguar model ALD-CHR-573 or Equivalent.	each	2.00	

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 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-07

SHORT URGENT TENDER NOTICE NO.- Engg. /09/ CW/Tender/2021-22

Sl. No.	Name of the Work :-	Miscellaneous work in Dharamshala,Animal House, Diagnostic block terrace,Annexe ward ENT OT and RIO Minor OT at IGIMS, Patna
1	Estimated Cost (In Rs.) :-	Rs. 2,80,469/-
2	Earnest Money (In Rs.) :-	Rs. 5,650/-
3	Cost of B.O.Q. (In Rs.) :-	Rs. 750/-
4	Time of completion :- (In Days)	7 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.	Item Description	Unit	Qty.	Rate
CIVIL SCHEDULE				
1	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete	cum	12.96	281.40
2	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	28.80	285.20
3	Providing and laying in position cement concrete of specified grade exluding the cost of centring and shuttering-all work upto plinth level.			
a	1:2:4(1 Cement: 2 coarse sand:4 graded stone aggregate 20 mm nominal size)	cum	2.16	3,832.50
4	Providing and fixing fitting aluminium glazed sliding window with 4 mm thick glazing of frost glass fitted on aluminium rail all complete as per specification and direction of E/S.	sqm	2.25	2,959.00
5	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	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.	39.60	1,519.60
6	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.	50.00	382.40
7	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	12.00	1,609.32
8	Providing and applying fibre reinforced elastomeric liquid water proofing membrane with resilient acrylic polymers having Sun Reflectivity Index (SRI) of 105 on top of concrete roof in three coats @10.76 litre/ 10 sqm. One coat of self-priming of elastomeric waterproofing liquid (dilution with water in the ratio of 3:1) and two coats of undiluted elastomeric waterproofing liquid (dry film thickness of complete application/system not less than 500 microns). The operation shall be carried out after scrapping and properly cleaning the surface to remove loose particles with wire brushes, complete in all respect as per the direction of Engineer-in- Charge.	Sqm	368.44	364.40
9	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. Complete	Sqm	180.00	9.10

10	Distemping with oil bound washable Distemper of approved brand and manufacture to give an even shade .Old work (one or more coats)	sqm	180.00	31.60
11	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:Two or more coats on new work	Sqm.	30.00	51.50
12	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	77.70
13	Extra cost for carriage of Material			
a	Local Sand / Earth soil (3 Km)	Cum	13.50	260.70
b	Sone Sand (45 km from Koelwar)	Cum	0.96	877.70
c	Stone Aggregate ,(156 Km From Domchch, Koderma	Cum	1.86	1,865.91
d	Bricks (7P+ 1K)	%o	0.96	682.47
e	Difference of Cost of Bricks	%o	0.96	1,463.49
f	Difference of Cost of Cement	tonn	0.96	236.95
g	Bricks aggregate(7P+1K)	cum	0.69	373.80

Quoted Rates:for schedule item

- a- õ õ õ õ õ õ % above
- b- õ õ õ õ õ õ % below
- c- õ õ õ õ 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 :õ õ õ õ õ õ õ õ õ õ õ õ õ õ õ ..
- 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. /09/ CW/Tender/2021-22

Sl. No.	Name of the Work :-	Fancing work of Bungalow No-01 and 02 at IGIMS, Patna		
1	Estimated Cost (In Rs.) :-	Rs. 2,63,700/-		
2	Earnest Money (In Rs.) :-	Rs. 5,300/-		
3	Cost of B.O.Q. (In Rs.) :-	Rs. 750/-		
4	Time of completion :- (In Days)	7 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.	Item Description	Unit	Qty.	Rate
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	5.22	360.70
2	Providing and laying in position cement concrete of specified grade exluding the cost of centring and shuttering-all work upto plinth level.			
a	1:2:4(1 Cement: 2 coarse sand:4 graded stone aggregate 20 mm nominal size)	cum	5.04	3,832.50
3	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.	kg	1,197.60	116.90
4	Providing and fixing G.I. chain link fabric fencing of required width in mesh size 50x50 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge.			
a	Made of G.I. wire of dia 4 mm	sqm	142.50	642.80
5	Extra cost for carriage of Material			
a	Sone Sand (45 km from Koelwar)	Cum	2.27	877.70
b	Stone Aggregate ,(110 Km From Gaya Manpur)	Cum	4.52	1,865.91
c	Difference of Cost of Cement	tonn	2.02	236.95

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