

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-01

Sl. No.01 SHORT URGENT TENDER NOTICE NO. Engg./ 115 (C & E)/2017-18

Sl. No.	Name of the Work :-	Repair, Renovation and Painting work of M.S Dean Bungalow At IGIMS, Patna
1	Estimated Cost (In Rs.) :-	Rs. 13,75,700/-
2	Earnest Money (In Rs.) :-	Rs. 27,600/-
3	Cost of B.O.Q. (In Rs.) :-	Rs. 2500 /-
4	Time of completion :- (In Days)	45 Days
5	Date, time & place for submission of Complete tender-	18/05/2017 up to 3.30 PM at office of the Director, IGIMS, Patna- through Regd./Speed Post /Courier
6	Date and time for opening of tender-(Technical Bid)-	19/05/2017 at 3.30 PM in Conference Hall, IGIMS, Patna.
7	Date & Time for opening of Price Bid of Technically Suitable bidders.	20/05/2017 at 03.30 PM

SL.	DESCRIPTION	UNIT	QTY.	RATE
	CIVIL SCHEDULE ITEM	-	-	-
	SUB-HEAD :(A)- DISMANTLING ITEM WORK	-	-	-
1	Clearing jungle including uprooting of rank vegetation ,grass, brushwood, trees and saplings of girth upto 30 cm measured at a height of 1 m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared.	Sqm	2,784.00	4.14
2	Dismantling tile work floor and roofs laid in cement mortar including stacking material within 50 metres lead.	Sqm	217.00	18.40
3	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	3.00	240.90
4	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material within 50 metres lead.			
a	1:3:6 or richer mix. (Over hade water tank)	cum	0.50	578.30
5	Removing dry or oil bound distemper by scrapping, sand paper and preparing the surface smooth including necessary repair scratches tec. Complete	Sqm	800.00	5.90
6	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 meters lead.			
a	Of area 3 sqm and below	each	25.00	35.00
	SUB-HEAD :(B)-PAINTING AND FINISHING WORK	-	-	-

7	Finishing walls with Acrylic Smooth exterior paint of required shade :			
a	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	500.00	71.10
8	Extra for plastering: Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	sqm	800.00	81.10
9	Distempering with oil bound washable Distemper of approved brand and manufacture to give an even shade .Old work (one or more coats)	sqm	900.00	22.00
10	Applying one coat of distemper primer of approved brand and manufacture on wall surface:Distemper primer	Sqm.	900.00	28.10
11	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade	sqm	250.00	54.10
12	Painting With ready mixed zinc chromate yellow primer of approved brand and manufacture on steel galvanized iron/steel works	sqm	250.00	22.80
13	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/l.	Sqm	15.00	253.80
14	Providing and laying in position cement concrete of specified grade excluding 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	18.00	3,740.20
15	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	200.00	171.00
16	Cement plaster in course sand 12 mm cement plaster of mix 1:4 (1 cement:4 coarse sand)	sqm	100.00	114.70
17	Extra for providing and mixing water proofing material in proportion recommended by the manufacturers.	sqm	100.00	8.40
18	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 @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	sqm	62.00	766.30

19	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			
a	600 x 600	sqm	195.00	1,694.30
20	Providing and fixing anodised aluminium work for doors, windows, ventilator and partitions with extruded built up standard tubular and other sections of approved make conforming to IS : 733 and IS : 1285, anodised transparent or dyed to required shade according to IS : 1868, (Minimum anodic coating of grade AC 15), fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/paneling, C.P. brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing For fixed portion and paneling to be paid for separately	kg	60.00	347.90
21	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap bading shall be paid in basic item.) With glass panes of 5.50 mm thickness (weight not less than 13.75 kg/sqm)	sqm	15.00	998.40
22	Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming IS : 15622 of approved make in colours, such shades except white, Ivory, Grey, Fume, Red, Brown, Laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) including pointing the joints with white cement and pigment etc. complete.	sqm	14.00	812.20
23	Providing and fixing flush door shutter of century board or greenply or kitply have non decorative type core 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.	8.00	2,750.92

24	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	25 mm thick (for cub-board) including nickel plated bright finished M.S.piano hinges with necessary screws	sqm	55.00	1,381.80
25	French spirit polishing:			
a	Two or more coats on works including a coat of wood filler	sqm	110.00	138.60
26	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows including black enamelled M.S. butt hinges with necessary screws excluding. Panelling which will be paid for separately. 30 mm thick	sqm	15.00	1,363.10
27	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centring, shuttering, finishing and reinforcement-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	0.50	4,530.30
28	Reinforcement for R.C.C. work including straightening, C10 cutting, bending, placing in position and binding all complete.			
a	Thermo-Mechanically Treated bars TMTC-500-8mm dia	kg	50.00	56.00
29	Brick work with bricks of class designation 100A in foundations and plinth in : Cement mortar 1 :.6 (1 cement: 6 coarse sand).	Cum	1.00	4,490.60

30	Roof treatment with electrometric membranous bitumen and synthetically polymerized resign coating providing and laying in situ water proofing treatment with ENI roof EMB (Electrometric polymerized coating) in three coeres including priming the surface with ENI roof EMB primer 1:1 to seal the porosity of the substrate coating 1st layer of ENI roof EMB (Non-Commendation Coating) adding 15 % to 20% of water. Embedding non wove Geo synthetic Geo Membranes as reinforcement in 1st coating while the coating is steel green after an interval of 3 to 4 hours, coating primer ENI Roof SPR adding 15 % to 20% of water sprinkling sand to create key plaster curing the coating and plastering to be paid separately all complete job including cost of material and labour including all taxes royalty, charge of all equipment machinery etc, to carry out job as per specification and direction of E/I.	Sqm	375.00	518.50
31	Cement plaster in course sand 20 mm cement plaster of mix:1:4(1 cement :4 coarse sand)	Sqm.	375.00	161.30
32	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	150.00	86.00
SUB-HEAD :(C)-PHED WORK		-	-	-
33	Providing and fixing water closet squatting pan (Indian type W.C.pan) with 100 mm sand cast Iron P or S trap, 10 litre low fixtures complete, including cutting and making good the walls and level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and floors wherever required :			
a	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests each 3035.40	Each	1.00	3,049.30
34	Providing and Fixing stainless steel A ISI 304 (18/8) Kitchen sink as per IS: 13983 with C. I. brackets and stainless steel plug 40 mm , including painting of fitting and brackets, cutting and making good the walls wherever required,			
	Kitchen sink without drain board			
a	610 X 460 mm bowl depth 200mm	Each	1.00	3,978.60
35	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 whith one step CPVC solvent cement, trenching, refilling & testing of joints complete as direction of engineer in charge. (External work)			
a	20 mm nominal bore	metre	50.00	147.30

b	25 mm nominal bore	metre	60.00	193.60
c	32 mm nominal bore	metre	25.00	249.10
36	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	25 mm dia nominal bore.	each	8.00	170.60
b	32 mm dia nominal bore.	each	5.00	213.30
37	Providing and fixing ball valve (brass)of approved quality High or Low Pressur, with plastic floats complee			
a	.25 mm nominal bore	Each	2.00	469.40
38	Providing and fixing on wall face unplasticise - 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	75 mm diameter	metre	20.00	127.30
b	110 mm diameter	metre	60.00	212.40
39	Providing and fixing on wall face unplasticise - PVC molded fitting/accessories for unplasticised PVC rain water pipes conforming to S: 4985 including jointing with seal ring conforing to IS:5382 leaving 10 mm gap for thermal expansion.			
a	Single tee with door			
	110 mm	each	5.00	306.10
b	Band 87.5°			
i	75mm bend	each	5.00	112.90
ii	110mm bend	each	15.00	168.30
40	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. complete125 mm	Each	20.00	69.40
41	Providing and fixing Alluminium hanging door stopper with anodised coating - twin rubber stopper	Each	20.00	83.80
42	Providing and fixing bright finish alluminium sliding doorbolt anodised with nuts and screws etc.			
a	300X16mm	Each	20.00	218.70
43	providing and fixing alluminium sliding tower bolt anodised (anodic coating not less then grade AC 10 as per IS:1868) with nut and screw etc. Complete			
a	Door(300X10mm)	Each	20.00	111.70
b	Door 1(150X10mm)	Each	20.00	64.70
44	Providing and fixing PTMT liquid soap container 109mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same ..,	Each	3.00	191.00

45	Providing and fixing PTMT towel ring trapezoidal shape 215 mm long,200mm wide with minimum distances of 37 mm,weighing not less then 88 gms.	Each	3.00	183.50
46	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.			
a	soap dish holder	each	3.00	160.40
47	Providing and fixing PTMT grating of approved quality and colour.			
a	125mm nominal dia with 25 mm waste hole.	Each	10.00	59.90
48	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931	Each	15.00	481.60
49	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.			
a	15 mm nominal bore	Each	13.00	650.10
50	SUB-HEAD :(D)-Extra cost for carriage of Material			
a	Sone Sand (45 km from Koelwar)	Cum	25.00	607.62
b	Stone Aggregate ,(156 Km From Domchch, Koderma	Cum	3.00	1,773.56
c	Difference of Cost of Cement	tonn	5.00	767.25
	CIVIL NON-SCHEDULE ITEM			
	For Wash Basin			
51	Providing and Fixing Wall Hung Basin Size (190x440x345 mm) all complete. Make Jaguar or equivalent.	Each	4.00	.....
52	Providing and Fixing Pillar Cock Auto Closing System with 65 mm extension body all Complete. Make Jaguar or equivalent.	Each	4.00	.....
53	Providing and Fixing Angular Stop Cock with wall flange all Complete. Make Jaguar or equivalent.	Each	4.00	.....
54	Providing and Fixing Towel Ring round with round flange all complete. Make Jaguar or equivalent.	Each	3.00	.....
55	Providing and Fixing Waste Coupling 32 mm size full thread with 80 mm height all complete. Make Jaguar or equivalent.	Each	4.00	.....
	FOR W.C AREA			
56	Providing and Fixing Wall Hung-W.C (Couple Closet Size (800x375x650 mm) Trap Distance P-180mm with Cistern ,Softclose seat cover(PP) all complete. Make Jaguar or equivalent.	Each	3.00	.....
57	Providing and Fixing Hand shower (Health Faucet) with 8mm Dia,1 Meter Long Flexible Tube & Wall Hook all complete. Make Jaguar or equivalent.	Each	3.00	.....

58	Providing and Fixing W.C Bruss Holder all complete. Make Jaguar or equivalent.	Each	3.00	.....
59	Providing and fixing overhead shower 80mm dia round shape single flow (ABS Body chrome plated with gray face plate with Rubit cleaning system. Make Jaguar or equivalent.	Each	3.00	.....

Quoted Rates:for schedule item

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

NOTE:-

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

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

SI. No.02 SHORT URGENT TENDER NOTICE NO. Engg./ 115 (C & E)/2017-18

Sl. No.	Name of the Work :-	Repair and renovation of Electrical wiring/ Replacement of Damage associries in Dean Bungalow Near Guest House, at IGIMS, Patna		
1	Estimated Cost (In Rs.) :-	Rs. 2,90,077/-		
2	Earnest Money (In Rs.) :-	Rs. 5900/-		
3	Cost of B.O.Q. (In Rs.) :-	Rs. 750/		
4	Time of completion :- (In Days)	45 Days		
5	Date, time & place for submission of Complete tender-	18/05/2017 up to 3.30 PM at office of the Director, IGIMS, Patna- through Regd./Speed Post /Courier		
6	Date and time for opening of tender-(Technical Bid)-	19/05/2017 at 3.30 PM in Conference Hall, IGIMS, Patna.		
7	Date & Time for opening of Price Bid of Technically Suitable bidders.	20/05/2017 at 03.30 PM		
Sl. No.	Items	Unit	Qty.	Rate
1	Wiring for light point/fan point /exhaust fan point/call bell point with 1.5 sq.mm F.R. P.V.C. insulated copper conductor single core cable in surface/recess P.V.C. conduit with piano type switch, phenolic laminated sheet, suitable size pvc / gi box etc. as required.			
a)	Group-C	Each	25.00	621.00
2	Rewiring for light point /fan point /exhaust point/call bell point with 1.5 sq.mm F.R. P.V.C. insulated copper conducotr single core cable in existing surface/recessed P.V.C. conduit including dismantling as required.			
a)	Group-C	Each	36.00	422.00
3	Rewiring for twin control light point /fan point /exhaust point/call bell point with 1.5 sq.mm F.R. P.V.C. insulated copper conducotr single core cable in existing surface/recessed P.V.C. conduit including dismantling as required.	Each	2.00	426.00
4	Wiring for cirucit/sub-main wiring alongwith earth wire with the following sizes of P.V.C. insulated copper conductor, single core cable in surface/recessed pvc conduit, as required.			
a)	2 x 1.5 sq.mm. + 1 x 1.5sq.mm. earth wire	Meter	52.00	117.00
b)	2 x 4sq.mm. + 1 x 4 sq.mm. earth wire	Meter	184.00	193.00
c)	2 x 6sq.mm. + 1 x 6 sq.mm. earth wire	Meter	45.00	276.00
d)	4 x 16sq.mm + 1 x16sq.mm earth wire	Meter	15.00	1060.00

5	Supplying and fixing suitable sizes GI / PVC box on surface or in recess with phenolic laminated sheet cover in-front including providing and fixing 5 pin 05/06 amps. Socket outlet and 05/06 amps. Piano type switch connection painting etc. as required.	Each	4.00	199.00
6	Supplying and fixing suitable sizes GI / PVC box on surface or in recess with phenolic laminated sheet cover in-front including providing and fixing 6pin 15/16 amps. Socket outlet and 15/16amps. Piano type switch connection painting etc. as required.	Each	6.00	313.00
7	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240volts, on surface/recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)			
a)	2+6 way single door	Each	1.00	802.00
8	Supplying and fixing 5 following 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)	40 Amps, Double pole	Each	1.00	860.00
9	Supplying and fixing 5 amps to 32 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 to 32 Amps Single Pole	Each	33.00	208.00
b)	50/63 Amps Triuple pole and neutral	Each	2.00	1804.00
10	Supplying and fixing following piano type switch/socket on the existing switch box/cover including connection etc. as required			
a)	5/6 amps.one way Switch	Each	52.00	32.00
b)	15/16 amps.one way Switch	Each	10.00	83.00
c)	5/6 amps.3 pin Socket out let	Each	12.00	44.00
d)	15/16 amps.6 pin Socket out let	Each	10.00	90.00
11	Supply fitting and fixing of metal of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc. as required.			
a)	75 mm X 75 mm X 50 mm deep	Each	6.00	90.00
b)	100 mm X 100 mm X 60 mm deep	Each	6.00	114.00
c)	150 mm X 75 mm X 60 mm deep	Each	4.00	126.00
d)	180 mm X 100 mm X 60 mm deep	Each	4.00	154.00
e)	200 mm X 250 mm X 60 mm deep	Each	4.00	296.00

12	Supplying and drawing following of F.R. P.V.C. insulated copper conductor single core cable in existing surface/recessed P.V.C. conduit, as required.			
a)	3 x 1.5 sq.mm	Meter	175.00	63.00
b)	3 x2.5 sq. mm	Meter	205.00	96.00
c)	3 x4 sq. mm	Meter	210.00	141.00
13	Supplying and fixing batten/angle holder including connection etc. as required	Each	26.00	48.00
14	Supplying & fixing of 3 mm thick phenolic laminated sheet	Sq.cm	12000.00	0.15
15	Supplying and fixing 2 pin,6 amp ceiling rose on the existing junction box/ wooden block including connection etc as required.	Each	20.00	35.00
16	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	5.00	2287.00
17	Supply and installation of regulator /standard model A.C ceiling fan of 1200 mm sweep including wiring the down rod of standard length (upto 30 cm)with 1.5 sq mm FR PVC insulated copper conductor etc as required	Each	10.00	1943.00
18	Supplying and fixing single wall mounted 20/22 watt LED type batten fitting complete with electronic driver and LED tube etc directly on wall /ceiling including connection with 1.5 sq mm FR PVC insulated copper conductor and the earthing body etc as required	Each	22.00	2542.00
19	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps %C+ curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	Each	5.00	849.00

Quoted Rates:for schedule item

a- í í í í í í % above

b- í í í í í í % below

c- í í í í at estimated cost.

NOTE:-

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

1- Issued to

- 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

Sl. No.03 SHORT URGENT TENDER NOTICE NO. Engg./ 115 (C & E)/2017-18

Sl. No.	Name of the Work :-	Electrical wiring of additional room of T.B Cantonment Lab, at IGIMS, Patna		
1	Estimated Cost (In Rs.) :-	Rs. 6,42,652/-		
2	Earnest Money (In Rs.) :-	Rs. 12900/-		
3	Cost of B.O.Q. (In Rs.) :-	Rs. 1250/-		
4	Time of completion :- (In Days)	15 Days		
5	Date, time & place for submission of Complete tender-	18/05/2017 up to 3.30 PM at office of the Director, IGIMS, Patna- through Regd./Speed Post /Courier		
6	Date and time for opening of tender-(Technical Bid)-	19/05/2017 at 3.30 PM in Conference Hall, IGIMS, Patna.		
7	Date & Time for opening of Price Bid of Technically Suitable bidders.	20/05/2017 at 03.30 PM		
Sl. No.	Schedule Item	Unit	Qty.	Rate
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS 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. FRLS PVC insulated copper conductor single core cable etc as required.			
a)	Group -C	Each	38.00	675.00
2	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS 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	115.00	150.00
b)	2 x 4 sq.mm. + 1 x 4 sq.mm. earth wire	Meter	540.00	193.00
c)	2x6 sq.mm + 1 x6 sq.mm earth wire	Meter	90.00	276.00
c)	4 x 16 sq.mm + 1 x16 sq.mm earth wire	Meter	15.00	1060.00
3	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required. (For light plugs to be used in non residential buildings).	Each	12.00	372.00

4	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	Each	34.00	446.00
5	Supplying and fixing following way horizontal type three pole and neutral, sheet steel MCB distribution board 415 volts on surface / recess complete with tinned copper bus bar neutral bus bar , earth bar , din bar interconnections , powder painted including earthing etc as required. (but without MCB/RCCB/Isolator)			
a)	8 way (4 + 24), Double door , horizontal type	Each	1.00	4655.00
6	Supplying and fixing 5 amps to 32 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)	Single Pole	Each	64.00	208.00
b)	Triple pole and neutral	Each	6.00	1804.00
6	Supplying and fixing following way surface /recess mounting vertical type 415 volts TPN MCB distribution board of sheet steel dust protected duly powder painted inclusiveof 200 amps tinned copper bus bar common neutral link , earth bar , din bar for mounting MCB (but without MCB and incomer) as required (Note Vertical type MCB TPDP is normally use where 3 phase outlet are required)			
a)	12 way (8+ 36), Double door , vertical type	Each	1.00	10514.00
7	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps %C+curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	Each	5.00	849.00
8	Supplying and fixing 2 pin, 6 amp ceiling rose on the existing junction box/ wooden block including connection etc as required.	Each	32.00	35.00
9	Supplying and fixing single wall maunted 20/22 watt LED type batten fitting complete with electronic driver and LED tube etc directly on wall /ceiling including connection with 1.5 sq mm FR PVC insulated copper conductor and the earthing body etc as required	Each	10.00	2542.00

10	Supplying and Fixing indoor recess moubnting 36 watt LED flat panel light luminaire suitable for armstrong / grid ceiling and complete with electronic driven etc. Directly on false ceiling including connection with 1.5 sq mmFR PVC insulated copper conductor cable and earthing the body etc. as required.	Each	18.00	5581.00
11	Supply and installation of 375 mm 230 v a.c exhaust fan in the existing opening including making good the damage connection testing commissioning etc as required.	Each	3.00	3491.00
12	Factory fabricated GSS sheet metal rectangular/round ducting of following sheet thickness			
a)	Thickness 1.25 mm sheet sq.m	Sq meter	60.00	766.38
13	Return air diffusers of powder coated aluminium without volume control dampers with anti smudge ring & removable core.	Sq meter	3.00	4611.15
14	Supplying and fixing 30 amps, 415 volts, TPN industrial type, socket outlet, with 4 pole and earth, metal enclosed plug top alongwith 30amps % ω + curve, TP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	Each	4.00	2704.00
15	Supplying and instalation of 400 mm 230 volt A.C Wall /Cabin fan including fixing the bracket ,making connection testing commissioning etc as required	Each	8.00	2456.00
	Non schedule item			
1	Supply and installation of Window Ac (2 TR BEE-5 Star rating ,including of all other related cost I.e. Stabiliser, Switch, installation all complete) make Carrier/	Each	3.00	.....

Quoted Rates:for schedule item

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

NOTE:-

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

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

Sl. No.04 SHORT URGENT TENDER NOTICE NO. Engg./ 115 (C & E)/2017-18

Sl. No.	Name of the Work :-	Electrical Input and Output wiring for 04 nos. 10 KVA UPS At Trauma Centre Ground Floor at IGIMS, Patna.		
1	Estimated Cost (In Rs.) :-	Rs. 99,668/-		
2	Earnest Money (In Rs.) :-	Rs. 2000/-		
3	Cost of B.O.Q. (In Rs.) :-	Rs. 500/-		
4	Time of completion :- (In Days)	15 Days		
5	Date, time & place for submission of Complete tender-	18/05/2017 up to 3.30 PM at office of the Director, IGIMS, Patna- through Regd./Speed Post /Courier		
6	Date and time for opening of tender-(Technical Bid)-	19/05/2017 at 3.30 PM in Conference Hall, IGIMS, Patna.		
7	Date & Time for opening of Price Bid of Technically Suitable bidders.	20/05/2017 at 03.30 PM		
Sl. No.	Item	Unit	Qty.	Rate
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS 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. FRLS PVC insulated copper conductor single core cable etc as required.			
a)	Group -C	Each	5.00	675.00
2	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS 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	5.00	150.00
b)	2 x 4 sq.mm. + 1 x 4 sq.mm. earth wire	Meter	10.00	193.00
c)	4 x 10sq.mm + 1 x10 sq.mm earth wire	Meter	79.00	684.00
d)	2x 16sq.mm + 1 x16 sq.mm earth wire	Meter	20.00	667.00

3	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	Each	2.00	446.00
4	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240volts, on surface/recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)			
a)	2+4 way single door	Each	5.00	744.00
5	Supplying and fixing following 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	2.00	208.00
b)	50/63 Triple pole and neutral	Each	4.00	1804.00
6	Supplying and fixing 5 following 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)	40 Amps, Double pole	Each	4.00	860.00
7	Supplying and fixing 2 pin, 6 amp ceiling rose on the existing junction box/ wooden block including connection etc as required.	Each	5.00	35.00
9	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	2.00	2287.00
10	Supply and installation of regulator /standard model A.C ceiling fan of 1200 mm sweep including wiring the down rod of standard length (upto 30 cm)with 1.5 sq mm FR PVC insulated copper conductor etc as required	Each	1.00	1943.00

INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, PATNA-14

BILL OF QUANTITY-05

SI. No.05 SHORT URGENT TENDER NOTICE NO. Engg./ 115 (C & E)/2017-18

Sl. No.	Name of the Work :-	Repair & Renovation of Electrical wiring/Replacement of Damaged Accessories in Boys hostel 1,2 & 12HP Motor pump,Near B-Type Quarter at IGIMS Patna..		
1	Estimated Cost (In Rs.) :-	Rs. 3,70,665.00		
2	Earnest Money (In Rs.) :-	Rs. . 7,500/-		
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-	18/05/2017 up to 3.30 PM at office of the Director, IGIMS, Patna- through Regd./Speed Post /Courier		
6	Date and time for opening of tender-(Technical Bid)-	19/05/2017 at 3.30 PM in Conference Hall, IGIMS, Patna.		
7	Date & Time for opening of Price Bid of Technically Suitable bidders.	20/05/2017 at 03.30 PM		
Sl. No.	Items	Unit	Qty.	Rate
1	Providing and fixing following rating and breaking capacity and pole MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.			
a)	25/100 Amps. 4 pole MCCB,16 KA	Each	2.00	5027.00
b)	160 Amps. 4 pole MCCB,35 KA	Each	1.00	11275.00
2	Wiring for light point/fan point /exhaust fan point/call bell point with 1.5 sq.mm F.R. P.V.C. insulated copper conductor single core cable in surface/recess P.V.C. conduit with piano type switch, phenolic laminated sheet, suitable size pvc / gi box etc. as required.			
a)	Group-c	Each	16.00	621.00
3	Rewiring for light point /fan point /exhaust point/call bell point with 1.5 sq.mm F.R. P.V.C. insulated copper conductor single core cable in existing surface/recessed P.V.C. conduit including dismantling as required.			
a)	Group-B	Nos	105.00	320.00

4	Wiring for circuit/sub-main wiring alongwith earth wire with the following sizes of P.V.C. insulated copper conductor, single core cable in surface/recessed pvc conduit, as required.			
a)	2 x 2.5sq.mm + 1 x 2.5sq.mm. earth wire	Meter	95.00	150.00
b)	2 x 10 sq.mm + 1 x 10 sq.mm. earth wire	Meter	85.00	417.00
c)	4 x 10 sq.mm + 1 x 10 sq.mm. earth wire	Meter	10.00	684.00
5	Supplying and fixing following way horizontal type three pole and neutral, sheet steel MCB distribution board 415 volts on surface / recess complete with tinned copper bus bar neutral bus bar , earth bar , din bar interconnections , powder painted including earthing etc as required. (but without MCB/RCCB/Isolator)			
a)	4 way (4 + 12), Single door , horizontal type	Each	2.00	2169.00
b)	6 way (4 + 18), Single door , horizontal type	Each	4.00	2536.00
6	Supplying and fixing suitable sizes GI / PVC box on surface or in recess with phenolic laminated sheet cover in-front including providing and fixing 5 pin 05/06 amps. Socket outlet and 05/06 amps. Piano type switch connection painting etc. as required.	Each	24.00	199.00
7	Supplying and fixing suitable sizes GI / PVC box on surface or in recess with phenolic laminated sheet cover in-front including providing and fixing 6pin 15/16 amps. Socket outlet and 15/16amps. Piano type switch connection painting etc. as required.	Each	10.00	313.00
8	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240volts, on surface/recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)			
a)	2+4 way single door	Each	1.00	744.00

9	Supplying and fixing 5 amps to 32 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)	Single Pole	Each	76.00	208.00
b)	40 Amps Single pole and neutral	Each	4.00	819.00
10	Supplying and fixing following piano type switch/socket on the existing switch box/cover including connection etc. as required			
a)	5/6 amps.one way Switch	Each	165.00	32.00
b)	15/16 amps.one way Switch	Each	6.00	83.00
c)	5/6 amps.3 pin Socket out let	Each	52.00	44.00
d)	15/16 amps.6 pin Socket out let	Each	6.00	90.00
11	Supply fitting and fixing of metal of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc. as required.			
a)	75 mm X 75 mm X 50 mm deep	Each	10.00	90.00
b)	100 mm X 100 mm X 60 mm deep	Each	12.00	114.00
12	Supplying and drawing following of F.R. P.V.C. insulated copper conductor single core cable in existing surface/recessed P.V.C. conduit, as required.			
a)	3 x 1.5 sq.mm	Meter	295.00	63.00
b)	3 x4 sq. mm	Meter	385.00	141.00
13	Supplying and fixing batten/angle holder including connection etc. as required()	Each	30.00	48.00
14	Supplying & fixing of 3 mm thick laminated hyleam sheet	Sq.cm	8000.00	0.15
15	Providing and fixing following capacity Bus bar chamber with 4 strips of suitable size made of copper heavy duty complete with all accessories including connection earthing the body etc. as required.			
a)	300 amps	Nos	1.00	7858.00
16	Supplying and fixing powder coated strip / patty type flurescent fittings of all type complete with all accessories etc.and lamp directly on ceiling/wall, including connection with 1.5 sq.mm. FR PVC insulated copper conductor single core and earthing the body etc. as required.			
a)	4' long with copper ballast	Each	71.00	527.00

17	Suppluing and fixing 90 watt LED type street light with die cast Aluminium housing for ingress protection of IP65 and complete with all accessories etc on pole /building including connection with FR PVC insuleted copper conductor cable and earthing the body etc. as required.	Each	4.00	17930.00
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Quoted Rates:for schedule item

a- í í í í í í % above

b- í í í í í í % below

c- í í í í at estimated cost.

NOTE:-

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

- 1- Issued to
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Signature of Contractor

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