



INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES SHEIKHPURA, PATNA – 14 (BIHAR)
(Autonomous Institute of Govt. of Bihar)

Tel.: 0612 – 2297631, 2297099; FAX: 0612 – 2297225; Website: www.igims.org; E-Mail:director@igims.org

BILL OF QUANTITY

Short Urgent Tender Notice No-03 / IGIMS/ (Elect.)/ 2020-21

01	Name of the Work	Additional Electrical Wiring in Anaesthesia department of Diagnostic Block at First floor at, I.G.I.M.S. Patna -14
02	Estimated cost	Rs 1, 93,253.00 (Rs One lacks, Ninety three Thousand, Two Hundred fifty three Only.)
03	Cost of BOQ	Rs.500.00 (Rupees Five hundred Only – Non- refundable)
04	Amount of earnest money to be deposited	Rs. 3,870.00 (Rupees Three Thousand eight hundred seventy) only
05	Time of Completion of job	07 (Seven) days
06	Date of receipt of tender	18/05/2020 up to 3.30 at office of the Director, IGIMS, Patna- through Regd./Speed Post /Courier
07	Date of opening of Tender (Technical bid)	19/05/2020 at 3.30 PM
08	Place of opening of tender	Conference hall, I.G.I.M.S., Patna-14

Schedule Item

Sl.No	Item	Unit	Qty.	Rate
1	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	12.00	724.00
2	Wiring for circuit/ sub main 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 4 sq.mm. + 1 x 4 sq.mm. earth wire	Meter	230.00	200.00
3	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top along with 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	2.00	996.00
4	Supplying and installation of 400 mm 230 volt A.C Wall /Cabin fan including fixing the bracket ,making connection testing	Each	4.00	2427.00

	commissioning etc as required			
5	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required			
a)	5/6 Amps switch	Each	30.00	81.00
b)	3 pin 5/6 Amps socket outlet	Each	22.00	122.00
c)	15/16 Amps switch	Each	24.00	134.00
d)	6 pin 15/16 Amps socket	Each	24.00	185.00
6	Supplying and Fixing indoor recess mounting 36 watt LED flat panel light luminaries suitable for Armstrong / grid ceiling and complete with electronic driven etc. Directly on false ceiling including connection with 1.5 sq mm FR PVC insulated copper conductor cable and earthing the body etc. as required.	Each	10	4023.00
7	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required.			
a)	1 or 2 Module (75 mm X 75 mm)	Each	10.00	180.00
b)	6 Module (200 mm X 75 mm)	Each	12.00	275.00
8	Supplying and fixing single wall mounted 18/22 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	14.00	684.00
9	Supplying and fixing following size/modules, I Box along with modular base and cover plate for modular switches in recess etc as required			
a)	8 Module(125mm X 125mm)	Each	1.00	334.00
b)	4 Module(125 X 75mm)	Each	1.00	225.00

Quoted Rate –

A. _____% above.

B. _____% below.

C. **At estimated Cost.**

Note: - Contractors are required to quote their rate % above % below or at estimated Cost, in prescribed Format. Tenderer quoting item-wise rate will be rejected.

01. **Issued to – Name of Contractor** -

02. **Full Address**

03. **E.M.D. Details** D.D. No..... Date..... ...Amount.....

04. **Registration Number** -

05. **Time of Completion**

Signature of Contractor with Date

Electrical Executive Engineer

I.G.I.M.S., Patna-14

Non Schedule item

10	Removing, Reinstallation, gas filling, commissioning etc. all complete as required of 1.5 Tr/02 tr Split AC	Each	05.00	
11	Supplying and fitting of new copper tubes for Split type AC units			
a)	Refrigerant copper pipe 6.4mm dia (13mm thick nitrile insulation)	Each	10.00	
b)	Refrigerant copper pipe 12.7mm dia (13 mm thick nitrile insulation)	Each	10.00	
12	Supply and fixing of LED Slim Panel Sky/Natural/Live/wild Light,36 watt 90-300 volt AC 50 Hz Power Factor 0.9 size 2'2' suitable for recess mounting/Armstrong Ceiling with extruded aluminium /CRCA powder coated body and high transmittance PMMA Diffuser Minimum lumens 3000.operating temperature 20 degree census.	Each	04	

NOTE-Tenderer are requested to quote their rates against above (NSI) item.

Signature of Contractor with Date

Electrical Executive Engineer

IGIMS, Patna



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BILL OF QUANTITY

Short Urgent Tender Notice No-03 / IGIMS/ (Elect.)/ 2020-21

01	Name of the Work	Providing of power supply for new X-Ray machine going to be installed for emergency unit first floor in front of Reproductive Biology at I.G.I.M.S. Patna -14
02	Estimated cost	Rs.2, 32,329.00 (Rs. Two lacks, Thirty Two Thousand, Three Hundred Twenty nine Only.)
03	Cost of BOQ	Rs.500.00 (Rupees Five hundred Only – Non- refundable)
04	Amount of earnest money to be deposited	Rs.4,650.00 (Rupees Four Thousand six hundred fifty) only
05	Time of Completion of job	07 (Seven) days
06	Date of receipt of tender	18/05/2020 up to 3.30 at office of the Director, IGIMS, Patna- through Regd./Speed Post /Courier
07	Date of opening of Tender (Technical bid)	19/05/2020 at 3.30 PM
08	Place of opening of tender	Conference hall, I.G.I.M.S., Patna-14

Schedule Item

Sl. No.	Item	Unit	Qty.	Rate
1	Providing and fixing following capacity four pole ON load /panel mounted changeover switch inside the existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.			
a)	400 Amps, four pole	Each	1.00	21116.00
2	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing etc as required	meter	49.00	116.00
3	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required			
a)	Up to 35 sq. mm (Clamp with 25x3mm thick saddle)	meter	90.00	29.00
4	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.			
a)	3½ X 35 sq. mm (32mm)	Each	02.00	300.00

5	Supplying and fixing wall /floor mounted cubical panel board, fabrication with 16 gauge iron sheet suitable for panel mounted switch disconnecter including bus-bar chamber insulator and painting etc as required.(but without bus-bar copper strip)	Sq. ft.	02.00	1382.00
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Quoted Rate –

A. _____% above.

B. _____% below.

C. **At estimated Cost.**

Note: - Contractors are required to quote their rate % above % below or at estimated cost, in Prescribed Format. Tenderer quoting item-wise rate will be rejected.

01. Issued to – Name of Contractor

02. **Full Address**.....

03. **E.M.D. Details** D.D. No.....Date.....Amount.....

04. **Registration Number**

05. **Time of Completion**

Signature of Contractor with Date

Electrical Executive Engineer

I.G.I.M.S., Patna-14

Non Schedule item

6	Supply of 40-100 Amps, 36 KA, 4 pole MCCB (L&T DN2 250D CAT NO. CM921530000X1 Or equivalent)	Each	1.00	
7	Supply of 3.5 core 35 sq mm XLPE/PVC insulated PVC sheathed (heavy duty) armoured electrical cable with copper conductor.	meter	90.00	

NOTE-Tenderer are requested to quote their rates against above (NSI) item.

Signature of Contractor with Date

Electrical Executive Engineer

IGIMS, Patna



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BILL OF QUANTITY

Short Urgent Tender Notice No-03 / IGIMS/ (Elect.)/ 2020-21

01	Name of the Work	Supplying and fixing of 36 watt LED flat panel at Auditorium Complex, Second Floor diagnostic Building at IGIMS ,Patna 14
02	Estimated cost	Rs. 4, 98,852.00 (Rupees Four lakhs, ninety eight Thousand, eight Hundred fifty two Only.)
03	Cost of BOQ	Rs.750.00 (Rupees Seven hundred fifty Only – Non- refundable)
04	Amount of earnest money to be deposited	Rs.9,980.00(Rupees Nine thousand nine hundred eighty only)
05	Time of Completion of job	07 (Seven) days
06	Date of receipt of tender	18/05/2020 up to 3.30 at office of the Director, IGIMS, Patna- through Regd./Speed Post /Courier
07	Date of opening of Tender (Technical bid)	19/05/2020 at 3.30 PM
08	Place of opening of tender	Conference hall, I.G.I.M.S., Patna-14

Schedule Items

Sl.No.	Item	Unit	Qty.	Rate
1	Supplying and Fixing indoor recess mounted 36 watt LED flat panel light luminaries suitable for armstrong / grid ceiling and complete with electronic driven etc. Directly on false ceiling including connection with 1.5 sq mm FR PVC insulated copper conductor cable and earthing the body etc. as required.	Each	124.00	4023.00

01. Issued to – Name of Contractor
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BILL OF QUANTITY

Short Urgent Tender Notice No-03 / IGIMS/ (Elect.)/ 2020-21

01	Name of the Work	Supplying and Fixing Of LED Tube light at new M.B.B.S Boys Hostel, Old Medical Girls Hostel and Flood Light in New M.B.B.S Boys Hostel at IGIMS Patna-14
02	Estimated cost	Rs 4, 13,380.00 (Rupees Four lakhs, Thirteen Thousand, three Hundred eighty Only.)
03	Cost of BOQ	Rs.750.00 (Rupees Seven hundred fifty Only – Non- refundable)
04	Amount of earnest money to be deposited	Rs.8,270.00 (Rupees Eight Thousand two hundred seventy) only
05	Time of Completion of job	07 (Seven) days
06	Date of receipt of tender	18/05/2020 up to 3.30 at office of the Director, IGIMS, Patna- through Regd./Speed Post /Courier
07	Date of opening of Tender (Technical bid)	19/05/2020 at 3.30 PM
08	Place of opening of tender	Conference hall, I.G.I.M.S., Patna-14

Schedule Items

Sr.No.	Item	Unit	Qty.	Rate
1	Supplying and fixing single wall mounted 18/22 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	295.00	684.00

01. Issued to – Name of Contractor
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Signature of Contractor with Date

Electrical Executive Engineer
I.G.I.M.S., Patna-14

Non Schedule item

2	Supplying and fixing flood light 300 watt voltage range 90 to 300 VAC 85 Lumen/watt Ingress protection IP65	Each	4.00	
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BILL OF QUANTITY

Short Urgent Tender Notice No-03 / IGIMS/ (Elect.)/ 2020-21

01	Name of the Work	Filtration of Insulating oil of 5 numbers Distribution Transformers Installed, at IGIMS, Patna 14
02	Estimated cost	Rs.3, 29,749.00 (Rupees Three lakhs, twenty nine Thousand, seven Hundred forty nine Only.)
03	Cost of BOQ	Rs.750.00 (Rupees Seven hundred fifty Only – Non-refundable)
04	Amount of earnest money to be deposited	Rs.6,600.00 (Rupees Six Thousand six hundred) only
05	Time of Completion of job	07 (Seven) days
06	Date of receipt of tender	18/05/2020 up to 3.30 at office of the Director, IGIMS, Patna- through Regd./Speed Post /Courier
07	Date of opening of Tender (Technical bid)	19/05/2020 at 3.30 PM
08	Place of opening of tender	Conference hall, I.G.I.M.S., Patna-14

Non-Schedule Item

Sr No.	Item	Unit	Qty	Rate
1	Filtration of Insulating oil of transformer, for removal of solid particles, dissolved gases and dissolved water by high vacuum low temperature method adopting the IS 1186 and other standards, to bring back the BDV to minimum 60KV	Litre	4600.00	
2	Supply of Oil Breakdown voltage tester for 0-100kv, Motorised 200-250 volt, Digital Display, HV Chamber Interlock including all other accessories and protection as required complete confirming to IS 6792/IEC 60156	set	1.00	
3	Supply of Blue Silica Gel crystals/granules suitable for oil filled transformer	KG	25.00	
4	Supply of new APAR Brand fresh Power Oil as per IS 335	barrel of 209 Litres	3.00	
5	To and fro Transportation charges to site of Filter Machine	Lum sum	1.00	

Quoted Rate –

A. _____% above.

B. _____% below.

C. **At estimated Cost.**

Note: - Contractors are required to quote their rate % above % below or at estimated cost, in Prescribed Format. Tenderer quoting item-wise rate will be rejected.

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02. **Full Address**.....
03. **E.M.D. Details** D.D. No.....Date.....Amount.....
04. **Registration Number**
05. **Time of Completion**

Signature of Contractor with Date

Electrical Executive Engineer

I.G.I.M.S., Patna-14



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BILL OF QUANTITY

Short Urgent Tender Notice No-03 / IGIMS/ (Elect.)/ 2020-21

01	Name of the Work	Electrical wiring work of medical record room in old dharamshala building at first & ground floor, New medical shop and power socket in bio chemistry department at IGIMS, Patna-14
02	Estimated cost	Rs. 7,37,155.00 (Rs.Seven Lakhs thirty Seven Thousand one hundred fifty five only)
03	Cost of BOQ documents	Rs.1250.00 (One Thousand Two hundred fifty Only) (Non- refundable)
04	Amount of earnest money to be deposited	Rs.14,744.00 (Rupees Fourteen Thousand, seven hundred forty four Only)
05	Time of Completion of job	15 (Fifteen) days
06	Date of receipt of Tender documents	18/05/2020 up to 3:30 Pm at office of the Director, IGIMS, Patna- through Regd. /Speed Post /Courier.
07	Date of opening of Tender	19/05/2020 at 3.30 PM
08	Place of opening of Tender	In Conference Hall, I.G.I.M.S., Patna-14

Schedule Item

SI.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	106.00	724.00
2	Wiring for circuit/ sub main 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	398.00	161.00
b)	2 x 4 sq.mm. + 1 x 4 sq.mm. earth wire	Meter	1024.00	200.00
c)	2 x 10 sq.mm. + 1 x 10 sq.mm. earth wire	Meter	57.00	382.00
d)	4 x 10 sq.mm + 1 x 10 sq.mm. earth wire	Meter	66.00	593.00
3	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	2.00	3702.00
4	Supplying and fixing following way horizontal type single pole and neutral, sheet steel MCB distribution board 240 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)	2+8 way, Single door	Each	1.00	741.00
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	56.00	192.00
b)	50 /63 Amps Triple pole and neutral	Each	2.00	1635.00
6	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)	50 /63 Amps Double pole	Each	1.00	919.00
7	Supplying and fixing 2 pin,6 amp ceiling rose on the existing junction box/ wooden block including connection etc as required.	Each	65.00	42.00
8	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required			
a)	5/6 Amps switch	Each	21.00	81.00
b)	15/16 Amps switch	Each	82.00	134.00
c)	3 pin 5/6 Amp. socket outlet	Each	21.00	122.00
d)	6 pin 15/16 Amps socket	Each	82.00	185.00
9	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required.			
a)	3 Module (100mm X75mm)	Each	13.00	210.00
b)	6 Module (200mmX75mm)	Each	46.00	275.00
10	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top along with 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	11.00	996.00
11	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	65.00	684.00
12	Supply and installation of regulator /standard model A.C ceiling fan of 1200 mm sweep including wiring the down rod of standard length (up to 30 cm)with 1.5 sq mm FR PVC insulated copper conductor etc as required	Each	11.00	1618.00
13	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	3543.00
14	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required			

a)	Above 35 sq. mm and upto 95 sq. mm (clamped with 40x3mm MS flat clamp)	meter	118.00	68.00
15	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc with charcoal/coke and salt as required.	Each	1.00	5125.00
16	Providing and fixing 25mmX5mm G.I. strip on surface or in recess for connections etc. as required.	meter	38.00	150.00
17	Supplying of 3.5 core 70 sq mm XLPE/PVC insulated PVC sheathed (heavy duty) armoured electrical cable with aluminium conductor.	meter	128.00	389.54

Quoted Rate –

A. _____% above.

B. _____% below.

C. **At estimated Cost.**

Note: - Contractors are required to quote their rate % above % below or at estimated cost, in prescribed Format. Tenderer quoting item-wise rate will be rejected.

01. Issued to – Name of Contractor -

02. **Full Address**

03. **E.M.D. Details**

D.D. No.....Date.....Amount.....

04. **Registration Number** -

05. **Time of Completion**

Signature of Contractor with Date

**Electrical Executive Engineer
I.G.I.M.S., Patna-14**

Non Schedule item

18	Supplying and installation of 450 mm 230 volt V3 A.C Wall /Cabin fan With aluminium body including fixing the bracket ,making connection testing commissioning etc as required	Each	11.00	
19	Supply installation testing commissioning of MCCB ,fabricated with 16 SWG crca suitable for incomer mccb with thermal release range 160-200 AMP 4 pole L & T ,DN2-250D,breaking capacity 36 KA CAT NO:- CM92109OON1OG	Each	1.00	

NOTE-Tenderer are requested to quote their rates against above (NSI) item.

Signature of Contractor with Date

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BILL OF QUANTITY

Short Urgent Tender Notice No-03 / IGIMS/ (Elect.)/ 2020-21

01	Name of the Work	Electrical wiring replacement of damage accessories laying of cable for PG girls hostel near C type (west side of C type quarter) and laying of cable for old MNH quarter at IGIMS, Patna-14
02	Estimated cost	Rs. 4, 92,297.00 (Rupees Four lakhs, ninety two Thousand, two Hundred ninety seven Only.)
03	Cost of BOQ	Rs.750.00 (Rupees Seven hundred fifty Only – Non- refundable)
04	Amount of earnest money to be deposited	Rs.9,846.00 (Rupees Ninety Thousand eight hundred forty six) only
05	Time of Completion of job	07 (Seven) days
06	Date of receipt of tender	18/05/2020 up to 3.30 at office of the Director, IGIMS, Patna- through Regd./Speed Post /Courier
07	Date of opening of Tender (Technical bid)	19/05/2020 at 3.30 PM
08	Place of opening of tender	Conference hall, I.G.I.M.S., Patna-14

Schedule Items

Sl.No.	Item	Unit	Qty.	Rate
1	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 piano type switch, phenolic laminated sheet, suitable size M.S./PVC box etc as required.			
a)	Group-A	Each	8.00	465.00
2	Wiring for circuit/sub main 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 1.5 sq.mm + 1 x 1.5 sq.mm earth wire	Meter	80.00	130.00
b)	2 x 4 sq.mm + 1 x 4 sq.mm earth wire	Meter	256.00	200.00
c)	2 x 10 sq.mm + 1 x 10 sq.mm earth wire	Meter	70.00	382.00

3	Supplying and fixing metal/pvc box of 180mm X 100mm X 60 mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 & 15/16 amps socket outlet and 15/16 amps piano type switch, connections, painting etc. as required	Each	32.00	286.00
4	Providing and fixing following rating and breaking capacity MCCB in existing cubical panel board including drilling holes in cubicle panel, making connections etc. as required			
a)	25/100 Amps, 16 KA	Each	1.00	3254.00
5	Providing and fixing following capacity bus bar chamber with 4 strips of suitable size made of copper, heavy duty, complete with all accessories including connections, earthing the body etc. as required			
a)	200 Amps	Each	1.00	7742.00
6	Supplying and fixing following way single pole & neutral, sheet steel, MCB distribution board, 240 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)	2 + 12 way double door	Each	4.00	1315.00
7	Supplying and fixing following Ratings, 240/415 volts 'C' curve, miniature circuit breaker suitable for inductive loads of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required			
a)	6/32 Amps Single pole	Each	48.00	192.00
8	Supplying and fixing following rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive loads of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.			
a)	40 Amps, Double pole	Each	10.00	805.00
9	Earthing with G.I.earth pipe 4.5 metre long,40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc with charcoal/coke and salt as required	Each	2.00	5125.00
10	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing etc. as required.	Meter	68.00	38.00
11	Supplying and fixing single wall mounted 18/22 watt LED type batten fitting complete with electronic driver and LED tube etc directly on wall/ ceiling including connections with 1.5 sq.mm FR PVC insulated copper conductor and earthing the body etc. as required	Each	10.00	684.00
12	Supplying and fixing of following types lamp in the existing electrical fitting/ fixtures etc. as required			
a)	15 watt LED Lamp	Each	12.00	302.00
13	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	8.00	1483.00

14	Supplying and fixing wall/floor mounted cubical panel board, fabricated with 16 gauge iron sheet, suitable for panel mounted switch disconnecter, including bus-bar chamber, insulator and painting etc. as required. (but without bus bar copper strip)	sq.ft	6.00	1382.00
15	Laying of one number PVC insulated and PVC sheathed/XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc. as required.			
b)	Above 185 sq.mm and upto 400 sq.mm	Meter	253.00	178.00
16	Fixing for laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required			
	Above 35 sq. mm and upto 95 sq. mm (Clamped with 25 x 3 mm MS flat clamp)	Meter	70.00	68.00
17	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.			
a)	3½ X 50 sq. mm (35mm)	Each	2.00	329.00
b)	3½ X 240 sq. mm (62mm)	Each	2.00	809.00
18	Supplying and making straight through joint with heat shrinkable kit including ferrules and other jointing materials for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.			
a)	3½ X 185 sq. mm	Each	1.00	3683.00
19	Supply of 3.5 core 50 sq.mm 1.1KV XLPE/PVC insulated PVC sheathed (Heavy Duty) armoured electric cable with aluminium conductor	Meter	70.00	286.82
20	Supply of 3.5 core 240 sq.mm 1.1KV XLPE/PVC insulated PVC sheathed (Heavy Duty) armoured electric cable with aluminium conductor	Meter	218.00	1093.02

01. Issued to – Name of Contractor
02. Full Address.....
03. E.M.D. Details D.D. No.....Date.....Amount.....
04. Registration Number
05. Time of Completion

Signature of Contractor with Date

Electrical Executive Engineer

I.G.I.M.S., Patna-14



INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES SHEIKHPURA, PATNA – 14 (BIHAR)
(Autonomous Institute of Govt. of Bihar)

Tel.: 0612 – 2297631, 2297099; FAX: 0612 – 2297225; Website: www.igims.org; E-Mail:director@igims.org

BILL OF QUANTITY

Short Urgent Tender Notice No-03 / IGIMS/ (Elect.)/ 2020-21

01	Name of the Work	Laying of spear cable from main electrical sub-station to main gas manifold and wiring to shift OT no. 7&8 UPS to another place at IGIMS, Patna
02	Estimated cost	Rs. 5, 73,501.00 (Rupees Five lakhs, seventy three Thousand, five Hundred one Only.)
03	Cost of BOQ	Rs.1,250.00 (Rupees One thousand Two hundred fifty Only – Non-refundable)
04	Amount of earnest money to be deposited	Rs.11,470.00 (Rupees Eleven Thousand four hundred seventy) only
05	Time of Completion of job	15 (Fifteen) days
06	Date of receipt of tender	18/05/2020 up to 3.30 at office of the Director, IGIMS, Patna- through Regd./Speed Post /Courier
07	Date of opening of Tender (Technical bid)	19/05/2020 at 3.30 PM
08	Place of opening of tender	Conference hall, I.G.I.M.S., Patna-14

Schedule Items

SI.No.	Item	Unit	Qty.	Rate
1	Wiring for circuit/sub main 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)	4 X 10 sq.mm +1 X10 sq.mm earth wire	Meter	57.00	593.00
b)	4 X 16 sq.mm +1 X16 sq.mm earth wire	Meter	18.00	879.00
2	Laying of one number PVC insulated and PVC sheathed/XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc. as required.			
b)	Above 185 sq.mm and up to 400 sq.mm	Meter	110.00	178.00
3	Fixing for laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required			
a)	Above 185 sq.mm and up to 400 sq.mm(Clamped with 40 X 3 mm MS flat clamp)	Meter	177.00	109.00

4	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.			
b)	3½ X 300 sq. mm (70mm)	Each	2.00	936.00
5	Supplying and fixing following rating 240/415 volt "C" curve, miniature circuit breaker suitable for inductive loads of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required			
a)	50/63 amps Triple Pole & Neutral	Each	18.00	1635.00
6	Providing and fixing following capacity four pole ON load/ panel mounted changeover switches inside the existing cubical panel board including drilling holes in cubicle panel, making connections etc. as required			
a)	320 Amps, Four pole	Each	1.00	14514.00
7	Supplying and fixing Floor mounted outdoor feeder pillar cubical type panel board, fabricated with 14 guage iron sheet suitable for panel mounted SFU/MCCB and complete with bus-bar chamber, insulator, nut-boltwithMS40X40X5mm angle stand and complete with powder painting etc as required. (But without bus bar copper strip, MCCB, & PCC work)	sq.ft	6.00	2058.00
8	Supply of 3.5 core 300 sq.mm 1.1KV XLPE/PVC insulated PVC sheathed (Heavy Duty) armoured electric cable with aluminium conductor	Meter	287.00	1339.98

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04. **Registration Number**
05. **Time of Completion**

Signature of Contractor with Date

Electrical Executive Engineer

I.G.I.M.S., Patna-14

Non Schedule item

9	Supply of 160-400 Amps Breaking capacity 36 KA Four pole Ics= 100% Icu suitable for isolation adjustable O/L Setting 0.8 to 1.0 x In (dsine with Microprocessor release type MTX1.0)	Each	1.00	
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NOTE-Tenderer are requested to quote their rates against above (NSI) item.

Signature of Contractor with Date

Electrical Executive Engineer

IGIMS, Patna



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BILL OF QUANTITY

Short Urgent Tender Notice No-03 / IGIMS/ (Elect.)/ 2020-21

01	Name of the Work	Laying of cable tray in core area at IGIMS Patna-14
02	Estimated cost	Rs. 5, 80,545.00 (Rupees Five lakhs, Eighty Thousand, five Hundred forty five Only.)
03	Cost of BOQ	Rs.1,250.00 (Rupees One thousand Two hundred fifty Only – Non- refundable)
04	Amount of earnest money to be deposited	Rs. 11,611.00 (Rupees Eleven Thousand six hundred eleven) only
05	Time of Completion of job	15 (Fifteen) days
06	Date of receipt of tender	18/05/2020 up to 3.30 at office of the Director, IGIMS, Patna- through Regd./Speed Post /Courier
07	Date of opening of Tender (Technical bid)	19/05/2020 at 3.30 PM
08	Place of opening of tender	Conference hall, I.G.I.M.S., Patna-14

Schedule Items

Sl. No.	Item Description	Unit	Qty	Rate
1	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete			
a)	Fixed to steel windows by welding	kg	3,075.00	114.20
2	Supplying and installing following size of perforated painted with powder coating M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required.			
a)	450 mm width X 50 mm depth X 2.0 mm thickness	Meter	268.00	700.00
3	Supplying and installing following size of perforated painted with powder coating M.S. cable tray bends with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required.			
a)	450 mm width X 50 mm depth X 2.0 mm thickness	Each	20.00	2,089.00

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Signature of Contractor with Date

Electrical Executive Engineer

I.G.I.M.S., Patna-14



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BILL OF QUANTITY

Short Urgent Tender Notice No-03 / IGIMS/ (Elect.)/ 2020-21

01	Name of the Work	Laying of 11 KV Cable, end termination in Main Electrical Sub-station & LT Cable Laying in Residential B-Type Quarter at IGIMS, Patna
02	Estimated cost	Rs.99, 929.00 (Rupees Ninety nine Thousand, nine Hundred Twenty nine Only.)
03	Cost of BOQ	Rs.500.00 (Rupees Five hundred Only – Non- refundable)
04	Amount of earnest money to be deposited	Rs.2,000.00 (Rupees Two Thousand) only
05	Time of Completion of job	07 (Seven) days
06	Date of receipt of tender	18/05/2020 up to 3.30 at office of the Director, IGIMS, Patna- through Regd./Speed Post /Courier
07	Date of opening of Tender (Technical bid)	19/05/2020 at 3.30 PM
08	Place of opening of tender	Conference hall, I.G.I.M.S., Patna-14

Schedule Items

SI.No.	Item	Unit	Qty.	Rate
1	Laying of one number additional PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground in the same trench in one tier horizontal formation including excavation, sand cushioning, protective covering and refilling the trench etc. as required			
a)	Above 95 sq.mm and up to 185 sq.mm	Meter	114.00	123.00
2	Supplying and making indoor cable end termination with heat shrinkable jointing kit complete with all accessories including lugs suitable for following size of 3 core, XLPE aluminium conductor cable of 11 kV grade as required.			
a)	300 sq.mm	Each	02.00	11681.00
3	Supplying and making straight through cable jointing with heat shrinkable jointing kit complete with all accessories including ferrules suitable for following size of 3 core, XLPE aluminium conductor cable of 11 kV grade as required.			
a)	300 sq.mm	Each	01.00	19314.00
4	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 11 KV grade of following size in the existing masonry open duct as required.			

a)	Above 120 sq.mm and up to 400 sq.mm	Meter	145.83	96.00
5	laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc. as required.			
a)	Above 95 sq.mm and up to 185 sq.mm	Meter	114.00	157.00
6	Supplying and making straight through joint with heat shrinkable kit including ferrules and other jointing materials for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.			
a)	3½ X 185 sq. mm	Each	01.00	3683.00
7	Providing , laying and fixing of following dia G.I. pipe (medium class) in ground complete with G.I. fittings including trenching (75 cm deep) and re-filling etc as required			
a)	100 mm dia.	Meter	10.00	765.00

01. Issued to – Name of Contractor
02. **Full Address**.....
03. **E.M.D. Details** D.D. No.....Date.....Amount.....
04. **Registration Number**
05. **Time of Completion**

Signature of Contractor with Date

Electrical Executive Engineer

I.G.I.M.S., Patna-14



INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES SHEIKHPURA, PATNA – 14 (BIHAR)
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BILL OF QUANTITY

Short Urgent Tender Notice No-03 / IGIMS/ (Elect.)/ 2020-21

01	Name of the Work	Supplying and Fixing of 36 watt LED Flat Panel Light at west wing of dental Department , ground Floor Engineering Building at IGIMS Patna
02	Estimated cost	Rs.91, 728.00 (Rupees Ninety one Thousand, Seven Hundred twenty eight Only.)
03	Cost of BOQ	Rs.500.00 (Rupees Five hundred fifty Only – Non- refundable)
04	Amount of earnest money to be deposited	Rs.1,840.00 (Rupees One thousand Eight hundred forty) only
05	Time of Completion of job	07 (Seven) days
06	Date of receipt of tender	18/05/2020 up to 3.30 at office of the Director, IGIMS, Patna- through Regd./Speed Post /Courier
07	Date of opening of Tender (Technical bid)	19/05/2020 at 3.30 PM
08	Place of opening of tender	Conference hall, I.G.I.M.S., Patna-14

Schedule Items

Sl.No.	Item	Unit	Qty.	Rate
1	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	20.00	724.00
2	Wiring for circuit/ sub main 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	80.00	161.00
3	Supplying and Fixing indoor recess mounted 36 watt LED flat panel light luminaries suitable for armstrong / grid ceiling and complete with electronic driven etc. Directly on false ceiling including connection with 1.5 sq mm FR PVC insulated copper conductor cable and earthing the body etc. as required.	Each	16.00	4023.00

01. Issued to – Name of Contractor

- 02. **Full Address**.....
- 03. **E.M.D. Details** D.D. No.....Date.....Amount.....
- 04. **Registration Number**
- 05. **Time of Completion**

Signature of Contractor with Date

Electrical Executive Engineer

I.G.I.M.S., Patna-14



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BILL OF QUANTITY

Short Urgent Tender Notice No-03 / IGIMS/ (Elect.)/ 2020-21

01	Name of the Work	Left over Electrical work of newly Constructed RIO waiting Building(first and second Floor) near gynecology OPD at IGIMS, Patna
02	Estimated cost	Rs.4, 49,736.00 (Rupees Four lakhs, forty nine Thousand, Seven Hundred Thirty Six Only.)
03	Cost of BOQ	Rs.750.00 (Rupees Seven hundred fifty Only – Non- refundable)
04	Amount of earnest money to be deposited	Rs.9,000.00 (Rupees Nine Thousand) only
05	Time of Completion of job	07 (Seven) days
06	Date of receipt of tender	18/05/2020 up to 3.30 at office of the Director, IGIMS, Patna- through Regd./Speed Post /Courier
07	Date of opening of Tender (Technical bid)	19/05/2020 at 3.30 PM
08	Place of opening of tender	Conference hall, I.G.I.M.S., Patna-14

Schedule Items

Sl.No.	Item	Unit	Qty.	Rate
1	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	10.00	724.00
2	Wiring for circuit/ sub main 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 x2.5 sq.mm. earth wire	Meter	18.00	161.00
b)	4 x 6 sq.mm. + 1 x 6 sq.mm. earth wire	Meter	10.00	410.00
3	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	50.00	684.00

4	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required			
a)	Above 95 sq. mm and up to 185 sq. mm (clamped with 25/40X3 mm Ms flat clamp)	meter	75.00	78.00
5	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.			
a)	3½ X 150 sq. mm (50mm)	Each	02.00	555.00
6	Supply and installation of regular /standard model A.C ceiling fan of 1200 mm sweep including wiring the down rod of standard length (up to 30 cm)with 1.5 sq mm FR PVC insulated copper conductor etc as required	Each	24.00	1618.00
7	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	04.00	1483.00
8	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	Each	02.00	5125.00
9	Providing and fixing 25 mm x 5mm G.I Strip on surface or in recess for connection etc. as required	meter	40.00	150.00
10	Supply of 3.5 core 150 sq mm XLPE/PVC insulated PVC sheathed (heavy duty) armoured electrical cable with aluminium conductor.	meter	75.00	695.74

01. Issued to – Name of Contractor
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Signature of Contractor with Date

Electrical Executive Engineer

I.G.I.M.S., Patna-14

Non Schedule item

11	Supply installation testing & commissioning of iron sheet steel powder distribution panel board , fabricated with 16 SWG iron sheet suitable for fix mounted switch gear including 600 Amps aluminium bus bar chamber ,insulator, volt meter, Ampire meter Selector switch ,indicator lamp(RYB) MCCB Ics=100%Icu,confirms to IS/IEC 60947-2 containing following Incomer and Outgoing MCCB cubicles a) Incomer 100-250 Amps 4 Pole MCCB suitable for Isolation ,manual rotary version, (L & T ,DN2-250N,BREAKING CAPACITY 36 KA CAT NO:-CM921510000X1 or equivalent) b)Outgoing 6 nos. 40-100 Amps 4 Pole MCCB suitable for isolation manual rotary version (L & T ,DN2-250D,BREAKING CAPACITY 36 KA CAT NO:-CM921530000X1 or equivalent)and 7 nos. of rotary handle (DN2 Direct ROM L&T cat no. CM998290000 or equivalent) Panel painting by 7 tank process only	Each	1.00	
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NOTE-Tenderer are requested to quote their rates against above (NSI) item.

Signature of Contractor with Date

Electrical Executive Engineer

IGIMS, Patna



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BILL OF QUANTITY

Short Urgent Tender Notice No-03 / IGIMS/ (Elect.)/ 2020-21

01	Name of the Work	Supply and Installation of Emergency light with exit sign in Ward Block, & partially Diagnostic Block area, at IGIMS Patna -14
02	Estimated cost	Rs. 5, 27,231.00 (Rupees Five lakhs, twenty seven Thousand, two Hundred thirty one Only.)
03	Cost of BOQ	Rs.1,250.00 (Rupees One thousand Two hundred fifty Only – Non- refundable)
04	Amount of earnest money to be deposited	Rs.10,545.00 (Rupees Ten Thousand five hundred forty five) only
05	Time of Completion of job	30 (Thirty) days
06	Date of receipt of tender	18/05/2020 up to 3.30 at office of the Director, IGIMS, Patna- through Regd./Speed Post /Courier
07	Date of opening of Tender (Technical bid)	19/05/2020 at 3.30 PM
08	Place of opening of tender	Conference hall, I.G.I.M.S., Patna-14

Schedule Items

SI.No.	Item	Unit	Qty.	Rate
1	Wiring for circuit/ sub main 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 1.5 sq.mm. + 1 x 1.5 sq.mm. earth wire	Meter	1000.00	130.00
2	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	Each	50.00	362.00
3	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	50.00	192.00

01. Issued to – Name of Contractor
02. **Full Address**.....
03. **E.M.D. Details** D.D. No.....Date.....Amount.....

04. **Registration Number**

05. **Time of Completion**

Signature of Contractor with Date

Electrical Executive Engineer

I.G.I.M.S., Patna-14

Non Schedule item

4	Emergency Exit light of box powder coated, Heavy duty Steel Sheet made body, size 190mmX330mmX115mm, 2 nos. Beam light LED type, Colour of dome off white, charging Voltage-230V AC and 12 volt, 7AH Battery (Exide/Luminous), Fast charging, Battery Backup 7 to 8 hours with individual control switch for Dome Light and exit light, Dome light with frosted glass of best quality, SS handle for proper movement from one place to another place, optional Bed switch or control switch, complete protection i.e. battery overcharge, undercharge and short circuit protection inbuilt.	Each	50.00	
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NOTE-Tenderer are requested to quote their rates against above (NSI) item.

Signature of Contractor with Date

Electrical Executive Engineer

IGIMS, Patna