



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. Engg. 04 / EW /2021-22

SINo-01

01	Name of the Work	Supply and Installation of Split air-conditioners for microbiology dept., radiology dept., microbiology Porta cabin, Blood Bank etc. at IGIMS, Patna14.
02	Estimated cost	Rs.11,75,750.00 (Rs .Eleven lacks Seventy five thousand Seven Hundred fifty only) `
03	Cost of BOQ	As per NIT
04	Amount of earnest money to be deposited	As per NIT
05	Time of Completion of job	As per NIT
06	Date of receipt of Tender documents (In hard copy)	As per NIT
07	Date of opening of Tender	As per NIT
08	Place of opening of Tender	Conference Hall, I.G.I.M.S., Patna-14

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-Items

SI No.	Items	Unit	Qty	Rate
1	Supply of Split type 1.5TR, 240Volts Air Conditioners(Make-Voltas/Hitachi/LLOYD/O-General/Daikin or equivalent make)	Each	17.00	
2	Supply and Installation of 4 KVA Voltage Stabiliser input voltage 160-270Volts, Output 220 volts with time delay	Each	17.00	
3	Installation charge for Split Air Conditioner	Each	17.00	
4	Supply and fixing of copper refrigerant piping along with Nitrile insulation			
a.	12.7 mm dia (insulation 13m thick)	Meter	150.00	
b.	6.4 mm dia (insulation 13m thick)	Meter	150.00	
5	Supplying and fixing of 3 core 2.5sqmm copper cable	Meter	150.00	
6	Supplying and fixing of 25 mm Dia PVC Flexible drain pipe	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. Engg. 04 / EW /2021-22

SI No-02

01	Name of the Work	Electrical wiring in National Information system (NIS) at Fourth floor of New Medical College at IGIMS, Patna-14
02	Estimated cost	Rs.1, 74,200.00 (Rs. One lac Seventy four thousand two hundred only)
03	Cost of BOQ	As per NIT
04	Amount of earnest money to be deposited	As per NIT
05	Time of Completion of job	As per NIT
06	Date of receipt of Tender documents (In hard copy)	As per NIT
07	Date of opening of Tender	As per NIT
08	Place of opening of Tender	Conference Hall, I.G.I.M.S., Patna-14

Scheduled Items

SI.No.	Items	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	9.00	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	222.00	200.00
b)	4 X 10 sq. mm + 1 X 10 sq. mm earth wire	Meter	85.00	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)	6 way (4 + 18), double door, horizontal type	Each	1.00	2905.00
4	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	18	192.00
b)	50 /63 Amps Triple pole and neutral	Each	1.00	1635.00
5	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(75mmx75mm)	Each	9.00	180.00
b)	6Module(200mmx75mm)	Each	18.00	275.00
6	Supplying and fixing following modular switch/ socket on the			

	existing modular plate & switch box including connections but excluding modular plate etc. as required			
a)	3 pin 5/6 Amps socket outlet	Each	9.00	122.00
b)	15/16 Amps switch	Each	36.00	134.00
c)	6 pin 15/16 Amps socket	Each	36.00	185.00

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Signature of Contractor with Date

Electrical Executive Engineer

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

Non-Schedule-Items

SI No.	Items	Unit	Qty	Rate
7	Supply and installation of 450 mm, 230 v A.C. wall/cabin fan including fixing the bracket,& aluminum body making connection, testing, commissioning etc. as required	Each	7.00	

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. Engg. 04 / EW /2021-22

SI No-03

01	Name of the Work	Electrical wiring work in ground floor Gynecology department and 3rd floor gastro medicine department polyclinic building at IGIMS, Patna-14
02	Estimated cost	Rs.14,97,630.00 (Rupees Fourteen lacks Ninety Seven Thousand Six hundred Thirty only)
03	Cost of BOQ	As per NIT
04	Amount of earnest money to be deposited	As per NIT
05	Time of Completion of job	As per NIT
06	Date of receipt of Tender documents (In hard copy)	As per NIT
07	Date of opening of Tender	As per NIT
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 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	267.00	724.00
2	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	995.00	161.00
b)	2 x 4 sq.mm. + 1 x 4 sq.mm. earth wire	Meter	2173.00	200.00
c)	4 x 10 sq.mm + 1 x10 sq.mm earth wire	Meter	78.00	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 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	48.00	192.00

b)	50 /63 Amps Triple pole and neutral	Each	2.00	1635.00
5	Supplying and fixing 2 pin,6 amp ceiling rose on the existing junction box/ wooden block including connection etc as required.	Each	85.00	42.00
6	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	78.00	81.00
b)	15/16 Amps switch	Each	236.00	134.00
c)	3 pin 5/6 Amps socket outlet	Each	78.00	122.00
d)	6 pin 15/16 Amps socket	Each	236.00	185.00
7	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required.			
a)	1or 2 Module (75mmX75mm)	Each	10.00	180.00
b)	3 Module (75mmX75mm)	Each	39.00	210.00
c)	6 Module (200mmX75mm)	Each	118.00	275.00
8	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	10.00	413.00
9	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	22.00	996.00
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	24.00	1618.00
11	Supplying and fixing stepped type electronic fan regulator on the existing modular plate/ switch box including connections but excluding modular plate etc. as required.	Each	24.00	359.00
12	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	84.00	684.00
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	1.00	1483.00

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 -

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05. **Time of Completion**

Signature of Contractor with Date

Electrical Executive Engineer

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

Non Schedule item

SI No.	Items	Qty	Unit	Rate
14	Supply and installation of 450 mm , 230 volt V3 A.C Wall/cabin fan with aluminum body ,including fixing the bracket ,making connection testing, commissioning etc as required	Each	5.00	
15	Supply of Split type 1.5TR, 240Volts Air Conditioner(Make-Voltas/Hitachi/LLOYD/O-General/Daikin or equivalent make)	Each	2.00	
16	Supply and Installation of 4 KVA Voltage Stabilizer input voltage 160-270Volts, Output 220 volts with time delay	Each	2.00	
17	Installation charge for Split Air Condition	Each	2.00	
18	Supply and fixing of copper refrigerant piping along with Nitrile insulation			
(a)	15.9 mm dia (insulation 13m thick)	Meter	16.00	
(b)	12.7 mm dia (insulation 13m thick)	Meter	16.00	
(c)	6.4 mm dia (insulation 13m thick)	Meter	16.00	
19	Supplying and fixing of 3 core 2.5sqmm copper cable	Meter	12.00	
20	Supplying and fixing of 25 mm Dia PVC Flexible drain pipe	Meter	65.00	
21	Supply and installation of window AC 1.5 TR including of all other related cost i.e stabilizer installation all complete.	Each	2.00	
22	Supply and installation of window AC 2 TR including of all other related cost i.e stabilizer installation all complete.	Each	2.00	

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. Engg. 04 / EW /2021-22

SI No-04

01	Name of the Work	Repairing and Replacement of damaged MCCBS and Bus bars of feeder Pillar Panels at residential complex at IGIMS, Patna-14.
02	Estimated cost	Rs.13,77,500.00 (Rs .Thirteen lacks Seventy Seven Thousand Five hundred only)
03	Cost of BOQ	As per NIT
04	Amount of earnest money to be deposited	As per NIT
05	Time of Completion of job	As per NIT
06	Date of receipt of Tender documents (In hard copy)	As per NIT
07	Date of opening of Tender	As per NIT
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 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 X95 sq. mm (45mm)	Each	8.00	473.00
b)	3½ X120 sq. mm (45mm)	Each	8.00	489.00
c)	3½ X185 sq. mm (57mm)	Each	4.00	702.00
d)	3½ X240 sq. mm (62mm)	Each	3.00	809.00

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**

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

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05. **Time of Completion**

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Electrical Executive Engineer

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

Non Schedule item

Sl No.	Items	Unit	Qty	Rate
2	Supply of 84-125 Amp 3 Pole 36 KA MCCB (L&T Cat no.DZ1T0125DXD1A or equivalent of reputed company)	Each	30.00	
3	Supply of 200-250 Amp 3 Pole 36 KA MCCB ,DN2-250D (L&T Cat no.CM92009OOP1OG or equivalent of reputed company)	Each	5.00	
4	Spreader Terminal DN1, DN2-250 3 Pole (L&T cat no. ST98053O000 or equivalent of reputed company)	Each	5.00	
5	Spreader Terminal DZ1-160- 3 Pole (L&T cat no. EM90609O000 or equivalent of reputed company)	Each	30.00	
6	Direct rotary handle DN2 Extended ROM (L&T cat no. CM99830O000 or equivalent of reputed company)	Each	5.00	
7	Direct rotary handle DZ1 Extended ROM (L&T cat no. CM90209O000 or equivalent of reputed company)	Each	30.00	
8	Supply installation testing & commissioning of power distribution outdoor type fiddler pillar panel board , fabricated with 16 SWG CRCA suitable for panel mounted switch gear including 400 Amps aluminium bus bar chamber ,insulator, volt meter, Ampere meter Selector switch ,indicator lamp(RYB) MCCB Ics=100% icu, confirms to IS/IEC 60947-2 containing following Incomer and Outgoing MCCB cubicles a)One number INCOMER MCCB 200-250 AMP 3 POLE L & T ,DN2-250N,BREAKING CAPACITY 36 KA CAT NO:- CM92009OOP1OG or equivalent of reputed company)Outgoing (a) Outgoing Six numbers MCCB 84-125 AMP 3 POLE L & T ,DZ1-160D,BREAKING CAPACITY 36 KA L&T Cat no.DZ1T0125DXD1A or equivalent of reputed company) Handle (a) seven numbers of Direct rotary handle DN2 Direct ROM(L&T cat no. CM99829O000 or equivalent of reputed company) Panel painting by 7 tank process only	Each	2.00	
9	Removing of damaged mccb and installation of 7 nos. 3 pole mccb in each outdoor type fiddler pillar and supply and modification of bus bar(cutting and jointing) ,insulator, nut bolt etc , replacement of volt meter, ammeter ,selector switch, indicator mcb, control wiring and painting of fiddler pillar etc all complete.	Each	5.00	

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. Engg. 04 / EW /2021-22

SI No-05

01	Name of the Work	Electrical Wiring in ward block fourth floor south side (407,408,409,410,411,412, 413, 414, 415,416,417 & 418) at IGIMS, Patna-14.
02	Estimated cost	Rs.11,97,200.00 (Rs .Eleven lacks Ninety seven thousand two hundred only)
03	Cost of BOQ	As per NIT
04	Amount of earnest money to be deposited	As per NIT
05	Time of Completion of job	As per NIT
06	Date of receipt of Tender documents (In hard copy)	As per NIT
07	Date of opening of Tender	As per NIT
08	Place of opening of Tender	Conference Hall, I.G.I.M.S., Patna-14

Schedule-Items

SI.No.	Items	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	119.00	724.00
2	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	870.00	161.00
b)	2 x 4 sq.mm. + 1 x 4 sq.mm. earth wire	Meter	514.00	200.00
c)	4x16 sq.mm+ 1x16 sq. mm.earth wire	Meter	88.00	879.00
3	Supplying and fixing 2 pin, 6 amp ceiling rose on the existing junction box/ wooden block including connection etc as required.	Each	119.00	42.00
4	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	3.00	3702.00
5	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	72.00	192.00
b)	50 /63 Amps Triple pole and neutral	Each	3.00	1635.00
6	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(75mmx75mm)	Each	7.00	180.00
b)	3Module(100mmx75mm)	Each	40.00	210.00
c)	6Module(200mmx75mm)	Each	14.00	275.00
7	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	68.00	134.00
b)	3 pin 5/6 Amps socket outlet	Each	22.00	122.00
c)	5/6 amps switch	Each	18.00	81.00
d)	6 pin 15/16 Amps socket	Each	68.00	185.00
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 connections with 1.5 sq.mm FR PVC insulated copper conductor and earthing the body etc. as required.	Each	66.00	684.00
9	Supply and installation of regulator/standard model A.C. ceiling fan of 1200 mm sweep including wiring the down rods of standard length (up to 30 cm) with 1.5 sq.mm FR PVC insulated copper conductor etc. as required	Each	27.00	1618.00
10	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	2.00	3543.00
11	Earthing with G.I. earth pipe 4.5 meter 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	4.00	5125.00
12	providing and fixing 25 mm x5 mm G. I strip on surface or in recess for connection etc as required	meter	120.00	150.00
13	Supplying and fixing 20 amps, 220 volts, SPN industrial type, socket outlet , with two pole and earth, metal enclosed plug top along with 20 amps "C" curve, SP MCB, in sheet steel enclosure, on surface or recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc as required. (Used for AC box)	Each	3.00	996.00

Quoted Rate –

A. _____% above.

B. _____% below.

C. **At estimated Cost.**

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Signature of Contractor with Date

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

Non Schedule item

SI No.	Items	Unit	Qty	Rate
14	Supply and installation of 450 mm, 230 v A.C. wall/cabin fan including fixing the bracket,& aluminum body making connection, testing, commissioning etc. as required	Each	7.00	
15	Supply and installation of window AC 2TR including of all other related cost i.e stabilizer installation all complete.	Each	2.00	
16	Supply installation testing & commissioning of power distribution panel board , fabricated with 16 SWG CRCA suitable for drawable mounted switch gear including 600 Amps aluminum bus bar chamber ,insulator, volt meter, Ampere 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 MCCB 100-250 AMP 4 POLE L & T ,DN2-250D,BREAKING CAPACITY 36 KA CAT NO:-CM921510000X1 or equivalent)Outgoing (a) Two No MCCB 63-160 AMP 4 POLE L & T ,DN2-250D,BREAKING CAPACITY 36 KA CAT NO:-CM921520000x1 or equivalent (b)Six No Outgoing MCCB 40-100 AMP 4 POLE L & T ,DN2-250D,BREAKING CAPACITY 36 KA CAT NO:-CM921530000x1 or equivalent) Handle (a) Direct rotary handle DN2 Direct ROM(L&T cat no. CM998290000 or equivalent) Panel painting by 7 tank process only	Each	1.00	

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. Engg. 04 / EW /2021-22

SI No-06

01	Name of the Work	Repairing of non-operational split / window type air- conditioners in premises of IGIMS, Patna -14
02	Estimated cost	Rs.4, 21,290.00 (Rs. Four lacks twenty one thousand two hundred ninety only)
03	Cost of BOQ	As per NIT
04	Amount of earnest money to be deposited	As per NIT
05	Time of Completion of job	As per NIT
06	Date of receipt of Tender documents (In hard copy)	As per NIT
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Signature of Contractor with Date

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

Non Schedule items

Sr.No	Item Descriptions	Unit	Qty	Rate
1	Supply and installation of new compressor for 1.5 TR Air Conditioners	Each	11.00	
2	Supply and installation of new compressor for 2.0 TR Air Conditioners	Each	3.00	
3	Supply and charging of Refrigerant for 2.0 TR Air Conditioner unit split	Each	3.00	
4	Supply and charging of Refrigerant for 2.0 TR Air Conditioner unit window	Each	2.00	
5	Supply and charging of Refrigerant for 1.5 TR Air Conditioner unit split.	Each	7.00	
6	Supply and charging of Refrigerant for 1.5 TR Air Conditioner unit window	Each	2.00	
7	Supply and fixing of new PCB kit for 2 TR Air Conditioner unit split	Each	10.00	
8	Supply and fixing of new PCB kit for 2 TR Air Conditioner unit window	Each	15.00	
9	Supply and fixing of new PCB kit for 1.5 TR Air Conditioner unit split	Each	10.00	
10	Supply and fixing of new PCB kit for 1.5 TR Air Conditioner unit window	Each	25.00	
11	Supply and fixing of new Fan motor for split Air Conditioner unit	Each	10.00	
12	Supply and fixing of new Fan motor for window Air Conditioner unit	Each	5.00	

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. Engg. 04 / EW /2021-22

SI No-07

01	Name of the Work	Supply and laying of 11 KV ,240 sq.mm cable from Outdoor double pole structure to main substation 11 KV old panel & spare loop cable from main substation 11 KV New panel to SCI newly constructed 11 KV panel, at IGIMS Patna-14.
02	Estimated cost	Rs.9,35,779.00 (Rs. Nine lacks thirty five thousand seven hundred seventy nine only)
03	Cost of BOQ	As per NIT
04	Amount of earnest money to be deposited	As per NIT
05	Time of Completion of job	As per NIT
06	Date of receipt of Tender documents (In hard copy)	As per NIT
07	Date of opening of Tender	As per NIT
08	Place of opening of Tender	Conference Hall, I.G.I.M.S., Patna-14

Schedule Items

SI.No	Items	Unit	Qty.	Rate
1	Laying of one number XLPE power cable of 11 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc. as required.			
a)	Above 120 sqmm and upto 400 sq. mm	Meter	320.00	206.00
2	Supply and making of 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)	240 sq.mm	Each	6.00	11681.00
3	Supply and making of outdoor 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)	240 sq.mm	Each	2.00	17166.00
4	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)	240 sq.mm	Each	1.00	19314.00
5	Providing, laying and fixing 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	20.00	983.00

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

SI No.	Items	Unit	Qty	Rate
6	Supply of 3 core 240 sq mm 11 KV XLPE/PVC insulated PVC sheathed (heavy duty) armored electrical cable with Aluminum conductor.	Meter	320.00	

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

Signature of Contractor with Date

Electrical Executive Engineer

IGIMS, Patna



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. Engg. 04 / EW /2021-22

SI No-08

01	Name of the Work	Required Electrical works of oxygen Generation plant near gas manifold at IGIMS, Patna-14
02	Estimated cost	Rs.14,98,000.00 (Rupees Fourteen lacks Ninety eight thousand only)
03	Cost of BOQ	As per NIT
04	Amount of earnest money to be deposited	As per NIT
05	Time of Completion of job	As per NIT
06	Date of receipt of Tender documents (In hard copy)	As per NIT
07	Date of opening of Tender	As per NIT
08	Place of opening of Tender	Conference Hall, I.G.I.M.S., Patna-14

Schedule Items

Sr. No	Schedule 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 etc as required.			
a)	Group –C	Each	11.00	724.00
2	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	20.00	161.00
b)	2 x 4 sq.mm. + 1 x 4 sq.mm. earth wire	Meter	74.00	200.00
c)	2X16 Sq mm + 1x16 sq mm Earth wire	Meter	54.00	382.00
3	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	633.00
b)	2+12 way single door	Each	1.00	1315.00
4	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	10.00	192.00

b)	50/63 Amps triple pole and neutral	Each	2.00	1635.00
5	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	2.00	805.00
6	Supplying and fixing modular type 25 Amps A.c unit box with ON/OFF MCB on surface or in recess complete with connections, testing and commissioning etc. as required.	Each	2.00	594.00
7	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	3.00	81.00
b)	15/16 Amps switch	Each	2.00	134.00
c)	3 pin 5/6 Amps socket outlet	Each	6.00	122.00
d)	6 pin 15/16 Amps socket	Each	2.00	185.00
8	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 (75mmX 75mm)	Each	3.00	180.00
b)	6 Module (200mmX75mm)	Each	2.00	275.00
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	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. with charcoal/ coke and salt as required.	Each	4.00	12831.00
11	Providing and fixing 25 mm X 5 mm Copper. strip on surface or in recess for connections etc. as required.	Meter	66.00	1032.00
12	Providing and fixing 25 mm x 5mm G.I Strip on surface or in recess for connection etc. as required	meter	30.00	150.00
13	Supplying and fixing following LED street /Flood and complete with all accessories etc on pole/building including connection and earthing the body stc as required			
a)	200/220watt FLOOD light	Each	8.00	26964.00
14	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing masonry open duct as required.			
a)	Above 95 sq. mm and upto 185 sq. mm	meter	310.00	52.00
15	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 upto 185 sq. mm (clamped with 25/40x3 mm Ms flat clamp)	meter	70.00	78.00
16	Supply and installation of 450 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	4413.00
17	Supply and installation of regular /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	2.00	1618.00
18	Supplying and fixing single wall maunted 20/22 watt LED type batten fitting complete with electronic driver and	Each	6.00	684.00

	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			
19	Supply and fixing pole mounted junction box /fuse box for single phase /2core low wattage street light pole with all accessories and connection etc as required	Each	8.00	601.00
20	Supply of 3.5 core 120 sq mm XLPE/PVC insulated PVC sheathed (heavy duty) armoured electrical cable with aluminium conductor.	meter	380.00	588.18
21	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 120 sq. mm (45mm)	Each	2.00	489.00
b)	4x16 sq. mm(28 mm)	Each	12.00	250.00
c)	3½ X 50 sq. mm (35mm)	Each	4.00	329.00
22	Providing, laying and fixing 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)	50 mm dia	Meter	8.00	509.00

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

SI No.	Items	Unit	Qty	Rate
23	Supply of Split type 2 Ton cooling capacity 6800w refrigerant R 32, 230 V 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/Loyyed /O General /Daikin or equivalent make)	Each	2.00	
24	Supply Installation of 4/5 KVA Voltage Stabiliser input voltage 160-270 Volts Output 220 volts with time delay	Each	2.00	
25	Installation charge for Split Air condition	Each	2.00	
26	Supply and fixing Refrigerant copper pipe 6.4 mm Dia (13 mm thick Nitrile)	Meter	8.00	
27	Supplying and fixing of Refrigerant copper pipe 15.9 mm Dia (13 mm thick Nitrile)	Meter	8.00	
28	Supplying and fixing of 3 core X 2.5 sq mm copper cable	Meter	8.00	
29	Supplying installation and commissioning Three phase 50 KVA 415 Volt Air cooled Phase servo voltage stabilizer having H class insulation. Input voltage range 295 V-465 volt, Output-415 volt +/- 1% salient features. Built in bypass switch. Input and output Low/High Voltage protection, single phasing preventer.	Each	1.00	
30	Supply of 3.5 core 50 sq mm XLPE/PVC insulated PVC sheathed (heavy duty) armored electrical cable with copper conductor.	Meter	11.00	
31	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 400 Amps aluminum bus bar chamber ,insulator, volt meter, Ampere meter Selector switch ,indicator lamp(RYB) MCCB Ics=100%Icu,containing following Incomer and Outgoing MCCB cubicles a) INCOMER MCCB 100-250AMP 4 POLE L & T ,DN2-250D,BREAKING CAPACITY 36 KA CAT NO:-CM921510000X1 or equivalent) b)Outgoing 4 nos. MCCB 40-100 AMP 4 POLE L & T ,DN2-250D,BREAKING CAPACITY 36 KA CAT NO:-CM921530000X1 or equivalent) and 5 No of Rotary handle DN2 Direct ROM(L&T cat no. CM998290000)or equivalent) Panel painting by 7 tank process only	Each	1.00	
32	Supplying and fixing 63 Amps Three phase, 415 volts, TPN industrial type, socket outlet, with 4 pole and earth, metal enclosed plug top in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet and complete with connections,testing and commissioning etc. as required.(without MCB),	Each	2.00	

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. Engg. 04 / EW /2021-22

SI No-09

01	Name of the Work	Sub-main wiring and Building light at Nursing college at IGIMS, Patna-14
02	Estimated cost	Rs.6,60,220.00 (Rs. Six lacks sixty thousand two hundred twenty only)
03	Cost of BOQ	As per NIT
04	Amount of earnest money to be deposited	As per NIT
05	Time of Completion of job	As per NIT
06	Date of receipt of Tender documents (In hard copy)	As per NIT
07	Date of opening of Tender	AS per NIT
08	Place of opening of Tender	Conference Hall, I.G.I.M.S., Patna-14

Schedule Items

Sr.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	18.00	681.00
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	121.00	161.00
b)	2 x 4 sq.mm. + 1 x 4 sq.mm. earth wire	Meter	170.00	200.00
c)	4 x 10 sq.mm + 1 x10 sq.mm earth wire	Meter	292.00	593.00
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	25.00	413.00
4	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, Providing earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator			
a)	2+12 way, Double door	Each	1.00	1315.00
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	12.00	192.00
b)	40 Amps Triple pole and neutral	Each	4.00	1487.00

6	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	20.00	157.00
b)	Up to 35 sq. mm (clamped with 1 mm MS flat clamp)	meter	208.00	29.00
7	Supply and fixing pole mounted junction box /fuse box for three phase/4 core high wattage HPSV/HPMV/MH Street light pole with all accessories and connection etc as required	Each	10.00	875.00
8	Supply of 4 core 10 sq mm 1.1KV XLPE/PVC insulated PVC sheathed (heavy duty) armored electrical cable with aluminium conductor.	meter	208.00	131.78

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

SI No.	Items	Unit	Qty	Rate
9	Supply and fixing of LED flood light 300 watt, voltage 90 to 300VAC Lumen- 85 lum/ watt ingress protection IP 65	Each	10.00	

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. Engg. 04 / EW /2021-22

SI No-10

01	Name of the Work	Supplying and laying of distribution cable from main feeder panel to D-type, Block-5, Residential quarter at IGIMS Patna -14
02	Estimated cost	Rs.99,646.00 (Rs .Ninety Nine thousand six hundred forty six only)
03	Cost of BOQ	As per NIT
04	Amount of earnest money to be deposited	As per NIT
05	Time of Completion of job	As per NIT
06	Date of receipt of Tender documents (In hard copy)	As per NIT
07	Date of opening of Tender	As per NIT
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 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 35 sq. mm and up to 95 sq. mm	Meter	165.00	151.00
2	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
3	Supply of 3.5 core, 50 sq.mm XLPE/PVC insulated PVC sheathed (Heavy duty) armoured electric cable with aluminium conductor	Meter	165.00	286.82

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

SI No.	Items	Unit	Qty	Rate
4	Supply and fixing of 125-160 Amps Breaking capacity 36 KA Four pole MCCB Ics= 100% Icu suitable for isolation adjustable O/L Setting 0.8 to 1.0 x In (thermal magnetic release)	Each	1.00	
5	Spreader Terminals for DN2-250D, 4 pole	Each	2.00	

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. Engg. 04 / EW /2021-22

SI No-11

01	Name of the Work	Replacement of damage panel in Old MBBS Girls Hostel in Residential Complex at IGIMS, Patna-14.
02	Estimated cost	Rs.2,04,937.00 (Rs. Two lacks four thousand nine hundred thirty seven only) `
03	Cost of BOQ	As per NIT
04	Amount of earnest money to be deposited	As per NIT
05	Time of Completion of job	As per NIT
06	Date of receipt of Tender documents (In hard copy)	As per NIT
07	Date of opening of Tender	As per NIT
08	Place of opening of Tender	Conference Hall, I.G.I.M.S., Patna-14

Schedule-Items

SI.No	Items	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 10 sq.mm. + 1 x 10 sq.mm. earth wire	Meter	10.00	382.00
b)	4 x 10 sq.mm + 1 x10 sq.mm earth wire	Meter	45.00	593.00
2	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)	40 Amps Single Pole and neutral	Each	4.00	729.00
b)	40 Amps Triple pole and neutral	Each	18.00	1487.00
3	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)	3 X10 sq. mm (22 mm)	Each	8.00	211.00
b)	4X10 sq.mm (25 mm)	Each	52.00	219.00

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

SI No.	Items	Unit	Qty	Rate
4	SITC of CRCA powder coated distribution panel board, fabricated with 16 SWG iron sheet suitable to fix mounted switchgear including 600 amps aluminum Bus bar ,insulator, voltmeter, ammeter, Selector switch ,indicator lamp(RYB), Containing following incomer MCCB 125-160 Amps, Breaking capacity 36 KA 4 pole lcs= 100% lcu suitable for isolation, manual rotary version (Cat. No.-CM92109OOP1OG or equivalent), with outgoing TPN MCB's 1 set of spreader terminal (L&T Cat No.-CM92007OOOO or equivalent) , Panel painting by 7 tank process only	Each	1.00	

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

Signature of Contractor with Date

Electrical Executive Engineer

IGIMS, Patna