



**BILL OF QUANTITY**

**SHORT URGENT TENDER NOTICE NO. Engg. 17 / EW /2022-23**

**Sl.No.-01**

01	Name of the Work	Electrical and Air- conditioning along with lighting work in Garden & front area of Director bungalow at IGIMS, Patna -14
02	Estimated cost	Rs.11,55,737.00 (Rs. Eleven lacks Fifty Five thousand Seven 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**

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	3.00	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 1.5 sq.mm. + 1 x 1.5 sq.mm. earth wire	Meter	53.00	130.00
b)	2 x 2.5 sq.mm. + 1 x 2.5 sq.mm. earth wire	Meter	56.00	161.00
c)	2 x 4 sq.mm. + 1 x 4 sq.mm. earth wire	Meter	140.00	200.00
d)	2x10 sq.mm+ 1x10 sq. mm. earth wire	Meter	52.00	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+12 Double door	Each	1.00	1315.00
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)	4 way (4 + 12), Double door , horizontal type	Each	1.00	2388.00
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)	40 Amps, Double pole	Each	3.00	805.00
6	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	20.00	192.00

b)	40 Amps Triple pole and neutral	Each	1.00	1487.00
7	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface / recess including cutting the wall and making good the same in case of recessed conduit as required.			
a)	25 mm	Meter	300.00	79.00
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)	15/16 Amps switch	Each	4.00	134.00
d)	6 pin 15/16 Amps socket	Each	4.00	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)	12 Module (200mmX150mm)	Each	1.00	423.00
10	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	4.00	684.00
11	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	1.00	1618.00
12	Supplying and installation of 400 mm 230 volt A.C Wall /Cabin fan including fixing the bracket ,making connection testing commissioning etc as required	Each	3.00	2427.00
13	Supplying and fixing 2 pin 6 amps ceiling rose on the existing junction box/wooden block including connection etc as required	Each	2.00	42.00
14	Supplying and fixing following LED street/ Flood light with die cast aluminum housing for ingress protection of IP65 and complete with all accessories etc on pole/building including connection and earthing the body etc. as required.			
a)	200/220 watt FLOOD light	Each	1.00	26964.00
15	Supplying and fixing of following types lamp in the existing electrical fitting/fixture etc as required			
a)	10/12 watt led lamp	Each	20.00	178.00
16	Supplying and fixing 120 watt LED type street light with die cast Aluminum housing for ingress protection of IP65 and complete with all accessories etc on pole /building including connection with FR PVC insulated copper conductor cable and earthing the body etc. as required.	Each	2.00	10453.00

**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. Detail** 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**

Sl.No.	ITEM DESCRIPTIONS	UNIT	QTY	RATE
17	Supply of Window type 1.5 TR 240 volts air conditioner(Make-Voltas/Hitachi/Lloyd or equivalent make)	Each	1.00	
18	Supply of split type 1.5 TR 240 volts air conditioner (Make-Voltas/Hitachi/Lloyd or equivalent make)	Each	5.00	
19	Supply of 4 KVA voltage stabilizer input voltage 160-270 volts output 220 volts with time delay (Make- Liv Guard/V-Guard/Voltas or equivalent make)	Each	6.00	
20	Installation charge of Split Air condition of 2 TR/1.5 TR stand ,fastener bolt and other required accessories (For installation)	Each	6.00	
21	Supplying and installation of 450 mm 230 volt A.C Wall /Cabin fan including fixing the bracket ,making connection testing commissioning etc as required	Each	4.00	
22	Supplying and fixing of 1100 volt grade 3 core 2.5 sq mm PVC Insulated PVC Sheathed copper conductor flexible Industrial cable	Each	382.00	
23	Supply and fixing of Single phase (220 volts) 8 watt , 3000/4000 K, Bollard light ingress protection 65 and complete with all accessories etc including connection and earthing the body etc. as required.	Each	37.00	
24	Supply and fixing of Single phase (220 volts) 25 watt 3000/4000 K, Post top light with die cast aluminum housing for ingress protection 65 and complete with all accessories etc on existing post including connection and earthing the body etc. as required.	Each	2.00	
25	Supply and fixing of Single phase (220 volts) 5 watt per meter 3000/4000 K,strip/rope light ingress protection of IP65 and complete with all accessories etc including connection and earthing the body etc. as required.	Each (50 meter roll)	2.00	
26	Supplying and fixing 50 watt LED flood light with die cast Aluminum housing for ingress protection of IP65/IP66 and complete with all accessories etc on pole /building including connection , earthing the body and Making M.S Foundation for fixing light etc. as required.	Each	1.00	
27	Supply and fixing of LED Foot light (white) in existing 4 module box with all accessories including connection etc. as required.	Each	1.00	
28	Supply and fixing of 1500 mm long Y shape arm for octagonal pole making with 2 mm thick hot deep galvanized pipe.	Each	1.00	
29	SIT&C of 2350 V.A 220 Volt input & output50 Hz Inverter with 180 A.H tubular batteries along with suitable size of battery stands.	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-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](http://www.igims.org); E-Mail:director@igims.org

**BILL OF QUANTITY**

**SHORT URGENT TENDER NOTICE NO. Engg. 17 / EW /2022-23**

**SI.No.-02**

01	Name of the Work	Additional Electrical along with air-conditioning works in proposed cash counter area (existing registration area),OPD building at I.G.I.M.S. Patna -14
02	Estimated cost	Rs.11,20,328.00 (Rs. Eleven lacks Twenty Thousand Three Hundred Twenty Eight 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	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 size G.I. box etc as required.			
a)	Group -C	Point	48.00	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	180.00	161.00
b)	2 x 4 sq.mm. + 1 x 4 sq.mm. earth wire	Meter	675.00	200.00
c)	4 X 16 sq. mm + 1 X 16 sq. mm earth wire	Meter	55.00	879.00
3	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	48.00	134.00
b)	6 pin 15/16 Amps socket	Each	48.00	185.00
4	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required.			
a)	6 Module (200mmX75mm)	Each	4.00	275.00
b)	12 Module (200mmX150mm)	Each	10.00	423.00
5	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	10.00	286.00
6	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	3702.00
7	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	28.00	192.00
b)	50 /63 Amps Triple pole and neutral	Each	1.00	1487.00
8	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 outlet and complete with connections, testing and commissioning etc. as required.	Each	9.00	594.00
9	Supplying and fixing indoor recess mounting 36 watt LED flat panel luminaries suitable for Armstrong / grid ceiling and complete with electronic driver etc. directly on false ceiling including connection with 1.5sq.mm FR PVC insulated copper conductor cable and earthing the body etc. as required.	Each	36.00	4023.00

**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. Detail** 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**

Sl. No.	ITEM DESCRIPTIONS	UNIT	QTY	RATE
10	Supply of Split A.C 2 Tr. cooling capacity 6800w refrigerant R 32 230 v copper condenser coil star rating 3 connection pipe 15.87mm and 6.3 mm each having length of 3.5 meter, connecting cable 3.5 meter (Make-Voltas/Hitachi/LLOYD/O-General/Daikin or equivalent make)	Each	5.00	
11	Supply of Split A.C 1.5 Tr. cooling capacity about 5275w refrigerant R 32 230 v copper condenser coil star rating 3 connection pipe 12.7mm and 6.3 mm each having length of 3.5 meter, connecting cable 3.5 meter (Make-Voltas/Hitachi/LLOYD/O-General/Daikin or equivalent make)	Each	2.00	
12	Supply and Installation of 5 KVA Voltage Stabiliser input voltage 160-270Volts, Output 220 volts with time delay	Each	5.00	
13	Supply and Installation of 4 KVA Voltage Stabiliser input voltage 160-270Volts, Output 220 volts with time delay	Each	2.00	
14	Installation charge for Split Air Condition	Each	7.00	
15	Supply and fixing of copper refrigerant piping along with Nitrile insulation			
a)	15.9 mm dia. (insulation 13m thick)	Meter	60.00	
b)	12.7 mm dia. (insulation 13m thick)	Meter	10.00	
c)	6.4 mm dia. (insulation 13m thick)	Meter	70.00	
16	Supplying and fixing of 3 core 2.5sqmm copper cable	Meter	71.00	
17	Supplying and fixing of 25 mm Dia PVC Flexible drain pipe	Meter	50.00	
18	Supply 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	10.00	

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

**Signature of Contractor with Date**

**Electrical Executive Engineer  
IGIMS, Patna-14**



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

**SHORT URGENT TENDER NOTICE NO. Engg. 17 / EW /2022-23**

**Sl.No.-03**

01	Name of the Work	Required electrical repairing work of D-5/1 & D-5/5, D-type residential quarter at IGIMS Patna -14
02	Estimated cost	Rs. 87,994.00 (Rs. Eighty Seven thousand Nine Hundred Ninety Four 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	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 -B	Point	10.00	559.00
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	140.00	130.00
b)	2 x 2.5 sq.mm. + 1 x 2.5 sq.mm. earth wire	Meter	120.00	161.00
3	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.			
a)	5/6 Amps switch	Each	8.00	39.00
b)	3 pin 5/6 Amps socket outlet	Each	8.00	52.00
c)	Electronic step fan regulator, piano type	Each	15.00	204.00
4	Supplying and fixing metal/pvc box of 150mm X 75mm 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 5 pin 5/6 amps socket outlet and 5/6 amps piano type switch, connections, painting etc. as required.	Each	12.00	187.00
5	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	16.00	286.00
6	Supplying and fixing 2 pin, 6 amp ceiling rose on the existing junction box/ wooden block including connection etc as required.	Each	16.00	42.00
7	Supplying and fixing batten/ angle holder including connection etc. as required.	Each	20.00	46.00
8	Supplying and fixing electronic musical call suitable for single phase, 230 volts complete bell as required.	Each	2.00	219.00

9	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	10.00	684.00
10	Supply and installation of regulator /standard model A.C ceiling fan of 1200 mm sweep including wiring the down rod of standard length (up to 30 cm)with 1.5 sq mm FR PVC insulated copper conductor etc as required	Each	8.00	1618.00
11	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	6.00	1483.00
12	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	6.00	594.00

**Quoted Rate –**

A. \_\_\_\_\_ % above.

B. \_\_\_\_\_ % below.

C. At estimated Cost.

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05. **Time of Completion**

**Signature of Contractor with Date**

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





**BILL OF QUANTITY**

**SHORT URGENT TENDER NOTICE NO. Engg. 17 / EW /2022-23**

**Sl.No.-04**

01	Name of the Work	Electrical Work in morgue room in the department of FMT & Residential Substation at I.G.I.M.S.Patna-14
02	Estimated cost	Rs.3, 69,368.00 (Rs. Three lacks Sixty Nine thousand Three Hundred Sixty Eight 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	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	75.00	724.00
2	Supplying and fixing 2 pin, 6 amp ceiling rose on the existing junction box/ wooden block including connection etc as required.	Each	60.00	42.00
3	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	140.00	161.00
b)	2 x 4 sq.mm. + 1 x 4 sq.mm. earth wire	Meter	340.00	200.00
c)	4x10 sq.mm+ 1x10 sq. mm. earth wire	Meter	90.00	593.00
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)	50 /63 Amps Triple pole and neutral	Each	2.00	1635.00
b)	6/32 Amps Single Pole	Each	36.00	192.00
5	Supplying and fixing following way 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)	6 way (4 + 18), Double door , horizontal type	Each	2.00	2905.00
6	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required.			
a)	6 Module(200mmx75mm)	Each	20.00	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	40.00	134.00
b)	6 pin 15/16 Amps socket outlet	Each	40.00	185.00

c)	3 pin 5/6 Amps socket outlet	Each	7.00	122.00
d)	5/6 amps switch	Each	7.00	81.00
8	Supplying and fixing modular type 25 amps A.C. Unit box with ON/OFF MCB on surface or in recess complete with connection, testing and commissioning etc as required	Each	6.00	594.00
9	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	40.00	684.00
10	Supplying and fixing following LED street/ Flood light with die cast aluminum housing for ingress protection of IP65 and complete with all accessories etc on pole/ building including connection and earthing the body etc as required			
a)	120 watt FLOOD light	Each	6.00	11844.00
11	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	7.00	1618.00
12	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	7.00	359.00
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	4.00	3543.00
14	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	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** - .....

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

03. **E.M.D. Detail** 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. Engg. 17 / EW /2022-23**

**Sl.No.-05**

01	Name of the Work	Electrical Wiring work in OPD room no.-2 at ground floor, OPD block, at I.G.I.M.S. Patna -14
02	Estimated cost	Rs. 3, 43,044.00 (Rs. Three lacks Forty Three Thousand Forty Four 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

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	28.00	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	174.00	161.00
b)	2 x 4 sq.mm. + 1 x 4 sq.mm. earth wire	Meter	285.00	200.00
c)	4 x 10 sq.mm + 1 x10 sq.mm earth wire	Meter	48.00	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	1.00	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	24.00	192.00
b)	50 /63 Amps Triple pole and neutral	Each	1.00	1635.00
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.			
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	16.00	81.00
b)	15/16 Amps switch	Each	48.00	134.00
c)	3 pin 5/6 Amps socket outlet	Each	16.00	122.00
d)	6 pin 15/16 Amps socket	Each	48.00	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)	3 Module (75mmX75mm)	Each	10.00	180.00
b)	6 Module (200mmX75mm)	Each	24.00	275.00
8	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	1.00	996.00
9	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 mmFR PVC insulated copper conductor cable and earthing the body etc. as required.	Each	12.00	4023.00
10	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	6.00	684.00
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	1	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.**

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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 Items**

SI NO.	Item	unit	Qty	Rate
12	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	6.00	
13	Supply of Split type 1.5TR, 240Volts Air Conditioner(Make-Voltas/Hitachi/LLOYD/O-General/Daikin or equivalent make)	Each	1.00	
14	Supply and Installation of 4 KVA Voltage Stabilizer input voltage 160-270Volts, Output 220 volts with time delay	Each	1.00	
15	Installation charge for Split Air Condition	Each	1.00	
16	Supply and fixing of copper refrigerant piping along with Nitrile insulation			
(a)	12.7 mm dia (insulation 13m thick)	Meter	12.00	
(b)	6.4 mm dia (insulation 13m thick)	Meter	12.00	
17	Supplying and fixing of 3 core 2.5sqmm copper cable	Meter	12.00	
18	Supplying and fixing of 25 mm Dia PVC Flexible drain pipe	Meter	25.00	

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

**Signature of Contractor with Date**

**Electrical Executive Engineer  
IGIMS, Patna-14**



**BILL OF QUANTITY**

**SHORT URGENT TENDER NOTICE NO. Engg. 17 / EW /2022-23**

**Sl.No.-06**

01	Name of the Work	Additional power wiring in pathology 1st floor new medical college and relocation of power wiring in OT area with additional wiring in blood collection area in SCI building at I.G.I.M.S. Patna -14
02	Estimated cost	Rs. 3, 19,474.00 (Rs. Three Lacks Nineteen Thousand Four Hundred Seventy Four 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	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	60.00	161.00
b)	2 x 4 sq.mm. + 1 x 4 sq.mm. earth wire	Meter	720.00	200.00
c)	4 X 16 sq. mm + 1 X 16 sq. mm earth wire	Meter	95.00	879.00
2	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	56.00	134.00
b)	6 pin 15/16 Amps socket	Each	56.00	185.00
3	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 (100mmX75mm)	Each	10.00	210.00
b)	6 Module (200mmX75mm)	Each	28.00	275.00
4	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	10.00	286.00
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	2.00	3702.00
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)	6/32 amps, Single pole	Each	48.00	192.00
b)	50 /63 Amps Triple pole and neutral	Each	2.00	1635.00

7	Supplying and fixing indoor recess mounting 36 watt LED flat panel luminaries suitable for Armstrong / grid ceiling and complete with electronic driver 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	5.00	4023.00
8	Supplying and fixing single wall mounted 9/10 watt (2 ft long) LED type batten fitting complete with electronic driver and LED 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	20.00	589.00

**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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**Signature of Contractor with Date**

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



**BILL OF QUANTITY**

**SHORT URGENT TENDER NOTICE NO. Engg. 17 / EW /2022-23**

**Sl.No.-07**

01	Name of the Work	Electrical wiring work Around Newly constructed Registration counter in Park near Fire Pump room and Replacement of damage switch socket at Trauma unit ground & first floor, T-zone etc area at IGIMS, Patna -14
02	Estimated cost	Rs.3, 09,791.00 (Rs. Three lacks Nine thousand Seven Hundred Ninety One 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	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 x 2.5 sq.mm. earth wire	Meter	320.00	161.00
b)	2 x 4 sq.mm. + 1 x 4 sq.mm. earth wire	Meter	60.00	200.00
3	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	40.00	81.00
b)	15/16 Amps switch	Each	294.00	134.00
c)	3 pin 5/6 Amps socket outlet	Each	40.00	122.00
d)	6 pin 15/16 Amps socket	Each	294.00	185.00
4	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 ( 75mmX 75mm )	Each	20.00	180.00
b)	3 Module (100mmX75mm)	Each	16.00	210.00
c)	6 Module (200mmX75mm)	Each	20.00	275.00
d)	12 Module (200mmX150mm)	Each	52.00	423.00
5	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	25.00	684.00
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	34.00	1618.00
7	Supplying and installation of 400 mm 230 volt A.C Wall /Cabin fan including fixing the bracket ,making connection testing commissioning etc	Each	1.00	2427.00



	as required			
8	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	4.00	4023.00
9	Supplying and fixing 2 pin 6 amps ceiling rose on the existing junction box/wooden block including connection etc as required	Each	59.00	42.00
10	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface / recess including cutting the wall and making good the same in case of recessed conduit as required.			
a)	25 mm	Meter	40.00	79.00

**Quoted Rate –**

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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 Items**

<b>Sl.No.</b>	<b>ITEM DESCRIPTIONS</b>	<b>UNIT</b>	<b>QTY</b>	<b>RATE</b>
11	SITC of 450 mm 230 Volt wall / cabin fan including fixing the bracket & aluminum body making connection testing commissioning etc as required.	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-14**



**BILL OF QUANTITY**

**SHORT URGENT TENDER NOTICE NO. Engg. 17 / EW /2022-23**

**Sl.No.-08**

01	Name of the Work	Electrical and Air conditioning work of Lasik Laser Room in RIO OT, Polyclinic Building, 1st floor at IGIMS, Patna -14
02	Estimated cost	Rs.3, 18,219.00 (Rs. Three lacks Eighteen thousand Two Hundred Nineteen 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	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	58.00	161.00
b)	2 x 4 sq.mm. + 1 x 4 sq.mm. earth wire	Meter	280.00	200.00
c)	4x10 sq.mm+ 1x10 sq. mm.earth wire	Meter	60.00	593.00
2	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	11.00	81.00
b)	15/16 Amps switch	Each	11.00	134.00
c)	3 pin 5/6 Amps switch	Each	8.00	122.00
d)	6 pin 15/16 Amps socket outlet	Each	11.00	185.00
3	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required.			
a)	6 Module (200mmX75mm)	Each	4.00	275.00
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 Double door	Each	1.00	1004.00
b)	2+8 Double door	Each	1.00	1242.00
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), Double door , horizontal type	Each	1.00	2388.00
6	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	6.00	192.00
b)	50 /63 Amps Triple pole and neutral	Each	1.00	1635.00

7	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, Double pole	Each	6.00	805.00
8	Supplying and installation of 400 mm 230 volt A.C Wall /Cabin fan including fixing the bracket ,making connection testing commissioning etc as required.	Each	2.00	2427.00
9	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	4.00	4023.00
10	Providingandfixing4.0 mm dia copper wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ sub-main wiring/ cable as required.	Meter	70.00	102.00
11	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

**Quoted Rate –**

A. \_\_\_\_\_ % above.

B. \_\_\_\_\_ % below.

C. At estimated Cost.

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

**Non-Schedule Items**

Sl.No.	ITEM DESCRIPTIONS	UNIT	QTY	RATE
12	Supply of split type 2 TR 240 volts air conditioner(Make-Voltas/Hitachi/LLOYD/O-General/Daikin or equivalent make)	Each	2.00	
13	SITC of 5 KVA voltage stabilizer input voltage 160-270 volts output 220 volts with time delay (Make- Liv Guard/V-Guard/Voltas or equivalent make)	Each	2.00	
14	Installation charge of Split Air condition of 2 TR/1.5 TR stand ,fastener bolt and other required accessories (For installation)	Each	2.00	
15	Supply, Installation, testing and commissioning including vacuolization and Nitrogen testing of following nominal sizes of soft/hard drawn copper refrigerant piping for VRV/VRF system complete with fittings, with suitable adjustable ring type hanger supports, jointing/brazing including accessories, insulated with XPLE Class-O tubular insulation/with Class-O closed cell elastomeric nitrile rubber tubular sleeves sections of specified thickness as given below for Suction and Liquid lines, all accessories as per specifications etc. as required :			
a)	15.9 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm with 19 mm thick insulation	Meter	12.00	
b)	6.4 mm dia (OD) (Hard drawn) with tube thickness 1.2 mm with 19 mm thick insulation	Meter	12.00	

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

**Signature of Contractor with Date**

**Electrical Executive Engineer  
IGIMS, Patna-14**



**BILL OF QUANTITY**

**SHORT URGENT TENDER NOTICE NO. Engg. 17 / EW /2022-23**

**Sl.No.-09**

01	Name of the Work	Required electrical works to convert overhead line into underground cable near C-type residential quarter at IGIMS Patna -14
02	Estimated cost	Rs. 9,17,755.00 (Rs. Nine Lacks Seventeen thousand Seven Hundred Fifty Five 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	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 185 sq. mm and up to 400 sq. mm	Meter	195.00	178.00
2	Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum conductor cable of 1.1 KV grade as required.			
a)	3½ X 50 sq. mm (35mm)	Each	2.00	329.00
b)	3½ X 150 sq. mm (50mm)	Each	2.00	555.00
c)	3½ X 185 sq. mm (57mm)	Each	2.00	702.00
d)	3½ X 400 sq. mm (82mm)	Each	2.00	1209.00
3	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe 2.7 meter long etc. with charcoal/ coke and salt as required.	Each	2.00	6276.00
4	Supplying and laying 25 mm X 6 mm G.I. strip at 0.50 meter below ground as strip earth electrode, including connection/ termination with GI nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping with 2 sets of G.I. nut bolt & spring washer spaced at 50 mm)	Meter	65.00	108.00
5	Supply of 3.5 core, 400 sq.mm XLPE/PVC insulated PVC sheathed (Heavy duty) armored electric cable with aluminum conductor	Meter	195.00	1648.34
6	Demolishing R.C.C. work including stacking of steel bars and disposal of unserviceable material within 50 metres lead:	Cum	7.50	1172.70

**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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**Signature of Contractor with Date**

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

**Non-Schedule Items**

<b>SI No.</b>	<b>Item</b>	<b>unit</b>	<b>Qty</b>	<b>Rate</b>
7	Supply and fixing of outdoor floor mounted type double door, cubical panel board , fabricated with 16 SWG iron sheet, suitable for panel mounted switch disconnector, including aluminium bus bar, insulator, spreader terminals, rotary handle, multifunction meter(L&T Cat. No.-WL441031O000) or equivalent, indicator lamp (RYB) with income (a) 250-320A, 4 pole MCCB DN3-400N, thermal release breaking capacity-50 KA,(L&T Cat. No.-CM9410300Q1OG) or equivalent, outgoing (b) 2 nos. 200-250A, 4 pole MCCB DN2-250, thermal release breaking capacity-36 KA,(L&T Cat. No.-CM921090OP1OG) or equivalent and (c) 4 nos. 160-200A, 4 pole MCCB DN2-250, thermal release breaking capacity-36 KA,(L&T Cat. No.-CM921090ON1OG) or equivalent and (d) 2 nos. 100-125A, 4 pole MCCB DN2-250, thermal release breaking capacity-36 KA,(L&T Cat. No.-CM921080OL1OG) or equivalent	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-14