

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. 06 /EW /2021-22****SINo-01**

01	Name of the Work	Required electrical works for oxygen generation Plant-II, near gas manifold at IGIMS, Patna-14		
02	Estimated cost	Rs.14,91,500.00 (Rs. Fourteen lacks ninety one 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	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.	Schedule 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 etc as required.			
a)	Group -C	Each	32.00	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	94.00	161.00
b)	2 x 4 sq.mm. + 1 x 4 sq.mm. earth wire	Meter	137.00	200.00
c)	2X16 Sq mm + 1x16 sq mm Earth wire	Meter	45.00	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 way double 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
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	1.00	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	1.00	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	4.00	81.00
b)	15/16 Amps switch	Each	8.00	134.00
c)	3 pin 5/6 Amps socket outlet	Each	7.00	122.00
d)	6 pin 15/16 Amps socket	Each	8.00	185.00
8	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	4.00	180.00
b)	6 Module (200mmX75mm)	Each	4.00	275.00
9	Supplying and fixing 2 pin 6 amps ceiling rose on the existing junction box/wooden block including connection etc as required.	Each	28.00	42.00
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	8.00	12831.00
11	Providing and fixing 25 mm X 5 mm Copper. strip on surface or in recess for connections etc. as required.	Meter	166.00	1032.00
12	Providing and fixing 25 mm x 5mm G.I Strip on surface or in recess for connection etc. as required	meter	42.00	150.00
13	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 185 sq. mm and up to 400 sq. mm	meter	318.00	96.00
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 185 sq. mm and up to 400 sq. mm (Clamped with 40 x 3 mm MS flat clamp)	meter	104.00	109.00
15)	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
16	Supply and installation of 450 mm 230 v ac exhaust fan in the existing opening including making good the damage connection testing commissioning etc as required.	Each	8.00	4413.00
17	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	19.00	684.00
18	Supply of 3.5 core 400 sq mm 1.1KV XLPE/PVC insulated PVC sheathed (heavy duty) armoured electrical cable with aluminium conductor.	meter	422.00	1705.43

19	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 240 sq. mm (62 mm)	Each	2.00	809.00
b)	3½ X 400 sq. mm (82 mm)	Each	2.00	1209.00
20	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	16.00	765.00

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**

<b>Sr.No.</b>	<b>Schedule Item</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
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	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 800 Amps aluminium 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) ONE NUMBER INCOMER MCCB 500 -630 AMP 4 POLE L & T ,DN3-630D,BREAKING CAPACITY 36 KA CAT NO:-CM94106OOT1OG or equivalent of reputed make) b) TWO NUMBERS OUTGOING MCCB 320 - 400 AMP 4 POLE L & T ,DN3-400D,BREAKING CAPACITY 36 KA CAT NO:-CM98403OOROOG or equivalent of reputed make) c) Spreader Terminal Three set for incomer & outgoing mccb DN3B/DN3-400 4 Pole L&T Catno.ST98066OOOO or equivalent of reputed make, d) Rotary handle Three number for incomer mccb DN3B,DN3 Extended ROM(L&T cat no. CM99861OOOO or equivalent of reputed make) and e) 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. 06 /EW /2021-22**

**Sl.No-02**

01	Name of the Work	AC Work and Electrical Wiring work in extension of Dental Department OPD at ground floor, Engineering Building, at I.G.I.M.S. Patna -14		
02	Estimated cost	Rs.11,76,360.00 (Rs. Eleven lacks seventy six thousand three Hundred sixty only) `		
03	Cost of BOQ	As per NIT		
04	Amount of earnest money to be deposited	As per NIT		
05	Time of Completion	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	79.00	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	358.00	161.00
b)	2 x 4 sq.mm. + 1 x 4 sq.mm. earth wire	Meter	1154.00	200.00
c)	4 x 16 sq.mm + 1 x16 sq.mm earth wire	Meter	98.00	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 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 2 pin,6 amp ceiling rose on the existing junction box/ wooden block including connection etc as required.	Each	35	42
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	35.00	81.00
b)	15/16 Amps switch	Each	70.00	134.00
c)	3 pin 5/6 Ampsr socket outlet	Each	35.00	122.00
d)	6 pin 15/16 Amps socket	Each	70.00	185.00
8	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	26.00	180.00
b)	6 Module (200mmX75mm)	Each	35.00	275.00
9	Supplying and fixing following piano type switch/ socket on the existing switch box including connections etc. as required			
a)	5/6 Amps switch	Each	16.00	39.00
b)	15/16 Amps switch	Each	16.00	90.00
c)	3 pin 5/6 Amps socket outlet	Each	16.00	52.00
d)	6 pin 15/16 Amps socket	Each	16.00	91.00
10	Supplying and fixing metal/ PVC box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc as required.			

	200mm x 300mm x 60mm deep	Each	8.00	308.00
11	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	6.00	996.00
12	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	32.00	4023.00
13	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	17.00	684.00
14	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.

- 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**

<b>Sl. No.</b>	<b>Non Schedule Item</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
15	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	18.00	
16	Supply of Split type 1.5TR, 240Volts Air Conditioner(Make- Voltas/Hitachi/LLOYD/O-General/Daikin or equivalent make)	Each	6.00	
17	Supply and Installation of 4 KVA Voltage Stabiliser input voltage 160-270Volts, Output 220 volts with time delay	Each	6.00	
18	Installation charge for Split Air Condition	Each	6.00	
19	Supply and fixing of copper refrigerant piping along with Nitrile insulation			
(a)	12.7 mm dia (insulation 13m thick)	Meter	30.00	
(b)	6.4 mm dia (insulation 13m thick)	Meter	30.00	
20	Supplying and fixing of 3 core 2.5sqmm copper cable	Meter	36.00	
21	Supplying and fixing of 25 mm Dia PVC Flexible drain pipe	Meter	85.00	

**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. 06 /EW /2021-22**

**SI.No-03**

01	Name of the Work	Estimate for Replacement of damaged earthing of Different Location of Hospital premises at IGIMS Patna -14		
02	Estimated cost	Rs.5,97,800.00 (Rs. Five lacks ninety seven thousand eight Hundred only) `		
03	Cost of BOQ	As per NIT		
04	Amount of earnest money to be deposited	As per NIT		
05	Time of Completion	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		
<b>SI.No.</b>	<b>Schedule Items</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
1	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	50.00	5125.00
2	Providing and fixing 25 mm x 5 mm G. I strip on surface or in recess for connection etc. as required	meter	2277.00	150.00

Quoted Rate –

B. \_\_\_\_\_% 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**



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

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**BILL OF QUANTITY**

**SHORT URGENT TENDER NOTICE NO. Engg. 06 / EW /2021-22**

**SINo-04**

01	Name of the Work	Supply and installation of Split air-conditioning for Dean office Admin building, HOD Gastro polyclinic 3rd floor, Medicine ELV room, UPS room and HOD room in State Cancer Institute building with required accessories at, I.G.I.M.S. Patna -14
02	Estimated cost	Rs.6,06,500.00 (Rs. Six lacks six 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	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**

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 4 sq. mm + 1 X 4 sq. mm earth wire	Meter	230.00	200.00
2	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	8.00	594.00

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**

<b>Sl.No.</b>	<b>Non Schedule Item</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
3	Supply of split type A.C. 2 Ton cooling capacity 6800w refrigerant R32 230 V copper condenser coil 3 star rating connection pipe 15.87 mm and 6.3 mm each having length of 3.5 meter, connecting cable 3.5 meter (Make-voltas/Hitachi/Lloyd/O General/Daikin or equivalent make)	Each	8.00	
4	Supply and installation of 4/5 KVA Voltage stabilizer input voltage 160-270 volt, output 220 volts with time delay	Each	8.00	
5	Installation charge for split Air Condition	Each	8.00	
6	Supply and fixing of copper refrigerant piping along with Nitrile Insulation			
a)	6.4 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 19 mm thick insulation	Meter	12.00	
b)	15.86 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm with 19 mm thick insulation	Meter	12.00	
7	Supplying and fixing of 3 Core x 2.5 Sq.mm copper cable	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**



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**BILL OF QUANTITY**

**SHORT URGENT TENDER NOTICE NO. Engg. 06 / EW /2021-22**

**SINo-05**

01	Name of the Work	Supply and Installation of Fire exit light with separate wirings required for its installation in Polyclinic block, Ward Annexe block, MS cell area, OPD area, Emergency & Trauma area and partially Diagnostic area at IGIMS Patna -14
02	Estimated cost	Rs.14,87,174.00 (Rs. Fourteen lacs eighty seven thousand one 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	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**

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 1.5 sq.mm. + 1 x 1.5 sq.mm. earth wire	Meter	3250.00	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	130.00	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	130.00	192.00
4	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 openings/ wooden frames with rawl plugs screws etc.	Kg	260.00	122.90

Quoted Rate –

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

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

C. At estimated Cost.

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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**

**Non- Scheduled Items**

<b>Sl.No.</b>	<b>Item</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
5	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	130.00	

**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. Engg. 06 / EW /2021-22**

**SINo-06**

01	Name of the Work	Estimate for Electrical work in Organic Waste Compost Plant near herbal garden at IGIMS Patna -14		
02	Estimated cost	Rs.4,86,200.00 (Rs. Four lacks eighty six 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	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.	Schedule 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	30.00	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	70.00	161.00
b)	2 x 4 sq.mm. + 1 x 4 sq.mm. earth wire	Meter	100.00	200.00
c)	4x16 sq.mm+ 1x16 sq. mm. earth wire	Meter	30.00	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	30.00	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)	6Way (4+18),double door, horizontal type	Each	1.00	2905.00
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)	50 /63 Amps Triple pole and neutral	Each	5.00	1635.00
b)	6/32 Amps Single Pole	Each	18.00	192.00
6	Supplying and fixing DP sheet steel enclosure on surface/ recess along with 40 amps 240 volts "c" curve DP MCB complete with connections ,testing and commissioning etc.as required	Each	1.00	1044.00
7	Supplying and fixing TPN sheet steel enclosure on surface/ recess along with 63 amps 415 volts "c" curve TPN MCB complete with connections ,testing and commissioning etc.as required	Each	1.00	1919.00
8	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	2.00	180.00
b)	6Module(200mmx75mm)	Each	10.00	275.00
9	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	20.00	134.00
b)	3 pin 5/6 Amps socket outlet	Each	5.00	122.00
c)	5/6 amps switch	Each	5.00	81.00
d)	6 pin 15/16 Amps socket	Each	20.00	185.00
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 mmFR PVC insulated copper conductor and earthing the body etc. as required.	Each	10.00	684.00
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	4.00	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	4.00	359.00
13	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	10.00	151.00
14	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 35 sq. mm and up to 95 sq. mm (Clamped with 25x3mm MS flat clamp)	Meter	195.00	68.00
15	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 X70 sq. Mm (57mm)	Each	4.00	368.00

16	Supply of 3.5 core 70 sq mm 1.1KV XLPE/PVC insulated PVC sheathed (heavy duty) armoured electrical cable with aluminium conductor.	meter	205.00	389.54
17	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	5.00	765.00
18	Supplying and fixing wall/floor mounted cubical panel board fabricated with 16 gauge iron sheet suitable for panel mounted switch disconnect or, including bus bar chamber, insulator and painting etc. as required (but without copper stripe)	sq ft	16.00	1382.00
19	Supply and fixing digital voltmeter, three phase in the existing cubical panel board including drilling holes in the panel board, making connection etc. as required	Each	1.00	1337.00
20	Supply and fixing digital ammeter, three phase with C.T coil in the existing cubical panel board including drilling holes in the panel board, making connection etc. as required	Each	1.00	1643.00
21	Providing and fixing following capacity bus-bar chamber with 4 strips of suitable size made of copper heavy duty, complete with all accessories including connection, earthing the body etc. as required			
a)	200 Amps	Each	1.00	7742.00
22	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	3.00	5125.00
23	Providing and fixing 25 mm x5 mm G. I strip on surface or in recess for connection etc. as required	meter	45.00	150.00
24	Supplying and fixing following LED street/ Flood light with die cast aluminium 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	2.00	11844.00

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.	Item	Unit	Qty.	Rate
25	<p>Supply installation testing &amp; commissioning of power distribution panel board , fabricated with 16 SWG CRCA suitable for draw able mounted switch gear including 600 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) INCOMER MCCB 125-160 AMP 4 POLE L &amp; T ,DN2-250D,BREAKING CAPACITY 36KA CAT NO:-CM92108OOM1OG or equivalent )</p> <p>Outgoing  (a) One No MCCB 100-125 AMP 4 POLE L &amp; T ,DN2-250D,BREAKING CAPACITY 36 KA CAT NO:-CM92108OOL1OG or equivalent  (b)Three Nos Outgoing MCCB 67-100 AMP 4 POLE L &amp; T ,DZ1-160D,BREAKING CAPACITY 36 KA CAT NO:-DZ1F0100DXD1Aor equivalent)  Handle  (a) Two Nos Direct rotary handle DN2 Direct ROM(L&amp;T cat no. CM99829O000 or equivalent)  (b)Three Nos Direct rotary handle DZ1 Direct ROM(L&amp;T cat no EM90207O000)</p> <p>Spreader  (a)Three nos Spreader terminals DZ1-160-4Pole(L&amp;T cat noEM90610O000)  (b)Two Nos Spreader terminals DN1,DN2-250-4Pole(L&amp;T cat no.CM92007O000</p> <p>Panel painting by 7 tank process only</p>	Each	1.00	
26	Supply of 100-125 Amps Breaking capacity 36 KA Four pole Ics=100% Icu suitable for isolation adjustable O/L setting 0.4 to 1.0 x In	Each	1.00	
27	Supply of DN1, DN2 -250-4 Pole Spreader terminals	Set	1.00	
28	Supply of DN2 Direct ROM Rotary Handle	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**



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

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**BILL OF QUANTITY**

**SHORT URGENT TENDER NOTICE NO. Engg. 06 /EW /2021-22**

**SI No-07**

01	Name of the Work	Repair , Replacement of Damaged cable, tube light, switch, socket etc and Supply , installation of air conditioners in five rooms wiring of pharmacist department ,old Dhanwantari hostel , IGIMS Patna-14
02	Estimated cost	Rs.14, 94,900.00 (Rs. Fourteen lacks Ninety Four thousand Nine hundred only)
03	Cost of BOQ	As per NIT
04	Amount of earnest money to be deposited	As per NIT
05	Time of Completion	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**

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 piano type switch, phenolic laminated sheet, suitable size M.S./PVC box etc as required.			
a)	Group -C	Each	22.00	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 1.5 sq.mm. + 1 x 1.5 sq.mm. earth wire	Meter	30.00	130.00
b)	2 x 2.5 sq.mm. + 1 x 2.5 sq.mm. earth wire	Meter	206.00	161.00
b)	2 x 4 sq.mm. + 1 x 4 sq.mm. earth wire	Meter	951.00	200.00
c)	4x16 sq.mm+ 1x16 sq. mm. earth wire	Meter	72.00	879.00
3	Supplying and drawing following sizes of FR PVC insulated copper conductor, single core cable in the existing surface/ recessed PVC conduit as required.			
a)	2 X1.5 sq mm	Meter	179.00	41.00
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	5.00	187.00
5	Supplying and fixing metal/ PVC box of 150mm/75mm x 60mm deep (nominal size) on surface or in recess with	Each	31.00	286.00

	suitable size of phenolic laminated sheet cover in-front including providing and fixing 6 pin 15/16 amps. Socket outlet and 15/16 amps. Piano type switch connection painting etc. as required.			
6	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	63.00	39.00
b)	15/16 Amps switch	Each	4.00	90.00
c)	3 pin 5/6 Amps socket outlet	Each	25.00	52.00
d)	6 pin 15/16 Amps socket outlet	Each	4.00	91.00
e)	Electronic step fan regulator, piano type	Each	11.00	204.00
7	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
8	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
9	Supplying and fixing modular type 25 Amps Ac unit box with ON/OFF MCB on surface or in recess complete with connections, testing and commissioning etc. as required.	Each	24.00	594.00
10	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 and refilling the trench etc as required but excluding sand cushioning and protective covering.			
a)	Above 95 sq. mm and up to 185 sq. mm	meter	416.00	91.00
11	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 25/40 mm Ms flate clamp mm thick saddle)	meter	62.00	78.00
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 connection with 1.5 sq mm FR PVC insulated copper conductor and the earthing body etc. as required.	Each	136.00	684.00
13	Supplying and fixing 2 pin 6 amps ceiling rose on the existing junction box/wooden block including connection etc as required	Each	38.00	42.00
14	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	14.00	1618.00
15	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

16	Supply of 3.5 core 120 sq mm XLPE/PVC insulated PVC sheathed (heavy duty) armored electrical cable with aluminium conductor.	meter	478.00	568.49
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 120 sq. mm (45mm)	Each	2.00	489.00
18	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	10.00	509.00
19	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)	20 mm	Meter	30.00	68.00
20	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.	kg	20.00	116.90

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-Items**

<b>Sl.No.</b>	<b>Non Schedule Item</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>
21	Supply of Split type2 TR, 240Volts Air Conditioner(Make-Voltas/Hitachi/LLOYD/O-General/Daikin or equivalent make)	Each	5.00	
22	Supply of Split type 1.5TR, 240Volts Air Conditioner(Make-Voltas/Hitachi/LLOYD/O-General/Daikin or equivalent make)	Each	5.00	
23	Supply and Installation of 4/5 KVA Voltage Stabiliser input voltage 160-270Volts, Output 220 volts with time delay	Each	10.00	
24	Installation charge for Split Air Conditioner	Each	10.00	
25	Supply and fixing of copper refrigerant piping along with Nitrile insulation			
a	6.4 mm dia (insulation 13m thick)	Meter	40.00	
b	12.7 mm dia (insulation 13m thick)	Meter	20.00	
c	15.9 mm Dia (13 mm thick Nitrile)	Meter	20.00	
26	Supplying and fixing of 3 core 2.5sqmm copper cable	Meter	45.00	
27	Supplying and fixing of 25 mm Dia PVC Flexible drain pipe	Meter	30.00	

**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. 06 /EW /2021-22**

**SI No-08**

01	Name of the Work	Additional Electrical work for Newly constructed Extension of 33 KV Electric sub-station Near PMR Building at IGIMS Patna-14
02	Estimated cost	Rs.1, 57,146.00 (Rs. One lac Fifty Seven Thousand One 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	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**

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)	4X16 Sq mm + 1x16 sq mm Earth wire	Meter	30.00	879.00
b)	2X16 Sq mm + 1x16 sq mm Earth wire	Meter	58.00	559.00
2	Supplying and installing following size of perforated painted with powder coating M.S Cable tray with perforation not more than 17.5% in convenient section joined with connector suspended from the ceiling with M.S suspender including bolt and nut suspender etc as required			
a)	450 mm width X 62.5 mm depth X2mm thickness	meter	30.00	778.00
3	Supplying and installing following size of perforated painted with powder coating M.S Cable tray bend with perforation not more than 17.5% in convenient section joined with connector suspended from the ceiling with M.S suspender including bolt and nut suspender etc as required			
a)	450 mm width X 62.5 mm depth X2mm thickness	Each	6.00	2248.00
4	Supplying and installing following size of perforated painted with powder coating M.S. cable trays Tee with perforation not more than 17.5%, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required.			
a)	450 mm width X 62.5 mm depth X 2.0 mm thickness	Each	2.00	2607
b)	750 mm width X 62.5 mm depth X2mm thickness	Each	9.00	3887
5	Supplying and installing following size of perforated painted with powder coating M.S. cable trays Reducer with perforation not more than 17.5%, joined with connectors, suspended from			



	the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required.			
a)	750 mm width X 62.5 mm depth X2mm thickness	Each	3.00	3279
6	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.			
a)	40 Amps, Double pole	Each	2.00	805.00
7	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240volts, on surface/recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)			
a)	2+4 way single door	Each	2.00	633.00
8	Supplying and fixing stepped type electronic fan regulator on the existing modular plate/ switch box including connection but excluding modular plate as required	Each	24.00	359.00

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**



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

**SHORT URGENT TENDER NOTICE NO. Engg. 06 /EW /2021-22**

**SI No-09**

01	Name of the Work	Electrical & Air conditioner work in Line Probe Assay (LPA) Lab in the department of Microbiology at I.G.I.M.S.Patna-14
02	Estimated cost	Rs.3,67,400.00 (Rs. Three lac Sixty Seven thousand four hundred only)
03	Cost of BOQ	As per NIT
04	Amount of earnest money to be deposited	As per NIT
05	Time of Completion	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 1.5sq.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	24.00	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	24.00	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	30.00	161.00
b)	2 x 4 sq.mm. + 1 x 4 sq.mm. earth wire	Meter	195.00	200.00
c)	2 X 10 sq. mm + 1 X 10 sq. mm earth wire	Meter	32.00	382.00
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)	40 amps, Single pole and neutral	Each	1.00	729
b)	6/32 Amps Single Pole	Each	12	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)	2 + 12 way, Double door	Each	1	1315.00
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	16.00	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	32.00	134.00
b)	6 pin 15/16 Amps socket	Each	32.00	185.00
c)	3 pin 5/6 Amps socket outlet	Each	2.00	122.00
d)	5/6 amps switch	Each	2.00	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	3.00	594.00
9	Supplying and Fixing indoor recess mounting 36 watt LED flat panel light luminaire suitable for Armstrong/ grid ceiling and complete with electronic driver etc. directly on false ceiling including connection with 1.5sqmm FR PVC insulated copper conductor cable and earthing the body etc. as required.	Each	18.00	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.

- 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**

<b>SI No.</b>	<b>Items</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>
10	Supply of split type 1.5 TR 240 volts air conditioner(Make-Voltas/Hitachi/LLOYD/O-General/Daikin or equivalent make)	Each	3.00	
11	Supply installation of 4 KVA voltage stabiliser input voltage 160-270 volts output 220 volts with time delay	Each	3.00	
12	Installation charge for Split Air Conditioner	Each	3.00	
13	Refrigerant copper pipe 6.4 mm Dia (13 mm thick Nitrile)	meter	12.00	
14	Refrigerant copper pipe 12.7 mm Dia (13 mm thick Nitrile)	meter	12.00	
15	Supplying and fixing of 3 coreX2.5 sq mm copper cable	meter	12.00	
16	25 mm Dia PVC Flexible drain pipe	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**



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**BILL OF QUANTITY**

**SHORT URGENT TENDER NOTICE NO. Engg. 06 /EW /2021-22**

**SI No-10**

01	Name of the Work	Supplying and laying of distribution cable from main LT panel in chiller plant to Director bungalow & repairing of damage boys hostel spare cable behind guest house, at IGIMS Patna -14
02	Estimated cost	Rs.4,65,170.00 (Rupees Four lacks Sixty Five Thousand One hundred Seventy only)
03	Cost of BOQ	As per NIT
04	Amount of earnest money to be deposited	As per NIT
05	Time of Completion	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	495.00	151.00
b)	Above 95 sq. mm and up to 185 sq. Mm	Meter	50.00	157.00
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 95 sq. mm (45mm)	Each	2.00	473.00

3	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	2.00	3683.00
4	Supplying and fixing wall/floor mounted cubical panel board, fabricated with 16 gauge iron sheet, suitable for panel mounted switch disconnect or, including bus-bar chamber, insulator and painting etc. as required. (but without bus bar copper strip)	sq.ft	12.00	1382.00
5	Supply and fixing digital voltmeter, three phase in the existing cubical panel board including drilling holes in the panel board, making connection etc as required.	Each	1.00	1337.00
6	Supply and fixing digital Ammeter, three phases with C.T. coil in the existing cubical panel board including drilling holes in the panel board, making connection etc as required.	Each	1.00	1643.00
7	Providing and fixing following capacity busbar 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
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)	6/32 amps, SPN	Each	2.00	511.00
b)	40 amps, Tri pole pole and neutral	Each	1.00	1487.00
c)	50/63 amps, Tripole pole and neutral	Each	1.00	1635.00
9	Supply of 3.5 core, 95 sq.mm XLPE/PVC insulated PVC sheathed (Heavy duty) armoured electric cable with aluminium conductor	Meter	495.00	470.93
10	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
11	Supplying and laying 25 mm X 6 mm G.I. strip at 0.50 metre 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	50.00	108.00

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**

<b>SI No.</b>	<b>Items</b>	<b>Qty</b>	<b>Unit</b>	<b>Rate</b>
12	Supply and fixing of 100-125 Amps Breaking capacity 25 KA 4 pole MCCB Ics= 100% Icu suitable for isolation adjustable O/L Setting 0.8 to 1.0 x In (dsine with thermal magnetic release release type DN1-250C)	Each	1.00	
13	Supply and fixing of Spreader Terminals for DN2-250D, 4 pole	Each	1.00	
14	Supply and fixing of Rotary Handle direct ROM for DN2-250D	Each	1.00	
15	Supply and fixing of 125 Amps, 4 pole motorized changeover open execution and must have option for selection between manual and auto mode	Each	1.00	
16	Supply and fixing of Automatic transfer controllers with wire harness	Each	1.00	
17	Supply and fixing of AC 4 A at 415 V Auxiliary Contactor MX0 22E (2 NO + 2 NC) type	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**



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. 06 / EW /2021-22**

**SI No-11**

01	Name of the Work	Supply And Installation of Air Conditioner at T-Zone AB area and RCC Ward 2nd Floor Ward Block, IGIMS Patna -14
02	Estimated cost	Rs.10,84,000.00 (Rupees Ten lacks Eighty Four Thousand only)
03	Cost of BOQ	As per NIT
04	Amount of earnest money to be deposited	As per NIT
05	Time of Completion	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 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 4sq.mm. + 1 x 4sq.mm. earth wire	Meter	335.00	200.00
b)	2 X 16 sq. mm + 1 X 16 sq. mm earth wire	Meter	25.00	559.00
2	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)			
	2 + 6 way, Double door	Each	1.00	1081.00
3	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)	6/32 Amps Single Pole	Each	6.00	192.00
b)	50/63 amps, Single pole and neutral	Each	1.00	825.00
4	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	13.00	594.00

**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**

<b>SI No.</b>	<b>Items</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>
5	Supply of Split Air conditioner 2TR cooling capacity 6800W, Refrigerant R32, 230 V copper condenser coil, star rating 3, connection Pipe 15.87mm and 6.3mm each having length of 3.5 meter, Connecting cable 3.5meter (Make-Voltas/Hitachi/LLOYD/O-General/Daikin or equivalent make)	Each	5.00	
6	Supply of Split type 1.5 TR, 240Volts Air conditioner (Make-Voltas/Hitachi/LLOYD/O-General/Daikin or equivalent make)	Each	4.00	
7	Supply and installation of 4/5 KVA Voltage Stabiliser input voltage 160-270Volts,Output 220Volts with time delay	Each	9.00	
8	Installation Charges for Split Air Conditioner	Each	9.00	
9	Supply and fixing of copper refrigerant piping along with nitrile insulation			
(a)	15.9 mm dia (insulation 13 mm thick)	Meter	40.00	
(b)	12.7 mm dia (insulation 13 mm thick)	Meter	28.00	
(b)	6.4 mm dia (insulation 13 mm thick)	Meter	68.00	
10	Supplying and fixing of 3 core 2.5sqmm copper cable	Meter	68.00	
11	Supplying and fixing of 25 mm Dia PVC Flexible drain pipe	Meter	45.00	
12	Supply and installation of window AC 2TR including of all other related cost i.e stabiliser, installation etc all complete.	Each	4.00	
13	Providing and fixing 12mm thick Centaury /Green ply of approved brand. For cup-board, ward robe, partition / panelling Etc. All complete as per architectural drawings and directions of engineer-in charge	Sq mm	14.86	

**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)

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**BILL OF QUANTITY**

**SHORT URGENT TENDER NOTICE NO. Engg. 06 /EW /2021-22**

**SI No-12**

01	Name of the Work	Estimate for Electrical work in Physical Medicine & Rehabilitation( PMR) Waiting area ,central drug store , Aayushman registration counter, new medical college microbiology department ,ward block core area bathrooms ,K.T.U Panel &Replacement of damaged cables from main substation to C.T Scan and mortuary department at IGIMS Patna -14
02	Estimated cost	Rs.8,94,500.00 (Rs .Eight lacks Ninety Four 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	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
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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	42.00	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	70.00	161.00
b)	2 x 4 sq.mm. + 1 x 4 sq.mm. earth wire	Meter	677.00	200.00
3	Supplying and fixing 2 pin, 6 amp ceiling rose on the existing junction box/ wooden block including connection etc as required.	Each	42.00	42.00
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	24.00	192.00
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	2.00	180.00
b)	6Module(200mmx75mm)	Each	29.00	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)	15/16 Amps switch	Each	58.00	134.00
b)	3 pin 5/6 Amps socket outlet	Each	6.00	122.00
c)	5/6 amps switch	Each	4.00	81.00
d)	6 pin 15/16 Amps socket	Each	58.00	185.00
7	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	22.00	684.00
8	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	6.00	1618.00
9	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	6.00	359.00
10	providing and fixing following capacity double pole/four pole OFF load changeover switches with side handle operation in sheet enclosure in existing metal board including drilling holes in metal panel making connections etc. as required			
a)	100 Amps four pole	Each	1.00	7814.00
11	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	5.00	594.00

12	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	348.00	157.00
13	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 95 sq. mm and up to 185 sq. mm (Clamped with 25/40x3mm MS)	Meter	62.00	78.00
14	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 X185 sq. Mm (57mm)	Each	4.00	702.00
15	Supply of 3.5 core 185 sq mm 1.1KV XLPE/PVC insulated PVC sheathed (heavy duty) armored electrical cable with aluminum conductor.	meter	410.00	868.22
16	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	18.00	765.00

**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**

**Non-Schedule Items**

Sl. No.	Item	Unit	Qty.	Rate
17	<p>Supply installation testing &amp; commissioning of power distribution panel board , fabricated with 16 SWG CRCA suitable for draw able mounted switch gear including 600 Amps aluminium bus bar chamber ,insulator, volt meter, Ampere meter Selector switch ,indicator lamp(RYB) MCCB lcs=100% icu, confirms to IS/IEC 60947-2 containing following Incomer and Outgoing MCCB cubicles</p> <p><b><u>INCOMER</u></b> MCCB 125-160 AMP 4 POLE L &amp; T ,DN2-250D,BREAKING CAPACITY 36KA CAT NO:-CM92108OOM1OG or equivalent)</p> <p><b><u>Outgoing</u></b>  (a) One No MCCB 100-125 AMP 4 POLE L &amp; T ,DN2-250D,BREAKING CAPACITY 36 KA CAT NO:-CM92108OOL1OG or equivalent  (b)Three Nos Outgoing MCCB 67-100 AMP 4 POLE L &amp; T ,DZ1-160D,BREAKING CAPACITY 36 KA CAT NO:-DZ1F0100DXD1Aor equivalent)</p> <p><b><u>Handle</u></b>  (a)Two Nos Direct rotary handle DN2 Direct ROM(L&amp;T cat no. CM99829O000 or equivalent)  (b)Three Nos Direct rotary handle DZ1 Direct ROM(L&amp;T cat no EM90207O000)</p> <p><b><u>Spreader</u></b>  (a)Three nos Spreader terminals DZ1-160-4Pole(L&amp;T cat noEM90610O000)  (b)Two Nos Spreader terminals DN1,DN2-250-4Pole(L&amp;T cat no.CM92007O000</p>	Each	1.00	

	Panel painting by 7 tank process only			
18	Supply of 125-160 Amps Breaking capacity 36 KA Four pole Ics=100% Icu suitable for isolation adjustable O/L setting 0.4 to 1.0 x In	Each	2.00	
19	Supply of DN1, DN2 -250-4 Pole Spreader terminals	Set	2.00	
20	Supply of DN2 Direct ROM Rotary Handle	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**