



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

**BILL OF QUANTITY
Short Tender / Quotation Notice No. Engg. \133 (E) 2017-18**

01	Name of the Work	Estimate for power supply for Guest house in front of Dean bungalow at I.G.I.M.S. Patna-14.
02	Estimated cost	Rs. Rs.4,49,079.00 (Rs Four lacs, Forty nine Thousand, Seventy nine) only
03	Cost of quotation documents	Rs.750.00/- (Rupees Seven hundred fifty) Only – Non- refundable)
04	Amount of earnest money to be deposited	Rs.8,982.00 (Rupees Eight Thousand, Nine hundred, Eighty two only
05	Time of Completion of job	07 (Seven) days
06	Date of receipt of quotation	20/ 12 /2017 up to 03.30 PM at office of the Director, IGIMS, Patna- through Regd./Speed Post /Courier.
07	Date of opening of Tender	21/12 /2017 at 3.30 PM
08	Place of opening of tender	Conference Hall, I.G.I.M.S., Patna-14

Schedule Item

Sl.No.	Items	Unit	Qty.	Rate
1	Wiring for circuit/ sub main wiring along with earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.			
a)	2 x 4 sq.mm. + 1 x 4 sq.mm. earth wire	Meter	90.00	193.00
b)	4x16 sq mm +1 x16 sq mm earth wire	meter	30.00	1060.00
2	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.			
a)	Single Pole	Each	20.00	208.00
3	3.5 core 95sq mm XLPE/PVC insulated PVC sheathed (heavy duty) armored electrical cable with aluminum conductor.	meter	136.00	872.00
4	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 upto 185 sq. mm	Meter	30.00	159.00
5	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required			
a)	Above 95 sq. mm and upto 185sq. mm (clamped with 25/40x3mm MS flat clamp)	meter	106.00	64.00
6	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 X95 sq. mm (45mm)	Each	2.00	482.00
7	Earthing with G.I. earth pipe 4.5 meter long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	Each	4	4191.00
8	Providing and fixing 25 mm x 5mm GI Strip on surface or in recess for connection etc. as required	meter	40.92	141.00
9	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	Each	2.00	446.00
10	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top along with 20 amps "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	Each	2.00	849.00

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
<u>1</u>	Supplying & fixing wall mounted iron sheet cubical panel board, fabricated with 16 SWG iron sheet, suitable for panel mounted switch disconnector, including Aluminum Bas bar, insulator, Multi functionmeter dual source LED meter CI 1 with RS485 (Catno.WL 4040110000) Or equivalent, indicator lamp (RYB) with Incomer (a)4 pole MCCB DN3B-400D , Thermal release rang 250-320 Amps ,Breaking capacity-36 KA, (Cat no. L&T CM9840100QOOG) Or equivalentOut going (b) Four nos. 4 pole 4 pole MCCB DN2-250D, Thermal release rang 100-125 Amps ,Breaking capacity-36 KA, (Cat no. L&T CM92108OOL1OG) Or equivalent	<u>Each</u>	1.00	
2	2000 VA Sine wave inverter (Input- 24 volt DC, Output- 220 volt single phase AC)	Each	1.00	
3	12 volt 150 AH Battery	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)**

**BILL OF QUANTITY
Short Tender / Quotation Notice No. Engg. \133 (E) 2017-18**

01	Name of the Work	Estimate for supplying & laying of L.T.cable in 41 HP Motor pump near Dhanwantri girls hostel at IGIMS Patna-14
02	Estimated cost	Rs. 5,95,258.00 (Rs Five lacs, Ninety five thousand, Two hundred fifty eight) only
03	Cost of quotation documents	Rs1250.00 (Rupees One thousand two hundred fifty Only – Non- refundable)
04	Amount of earnest money to be deposited	Rs11,906.00 (Rupees Eleven thousand, Nine hundred, Six) only
05	Time of Completion of job	15 (Fifteen) days
06	Date of receipt of quotation	20/ 12 /2017 up to 03.30 PM at office of the Director, IGIMS, Patna- through Regd./Speed Post /Courier.
07	Date of opening of Tender	21/12 /2017 at 3.30 PM
08	Place of opening of tender	Conference Hall, I.G.I.M.S., Patna-14

Schedule Item

Sl.No.	Items	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 35sq. mm and upto 95 sq. mm	Meter	76.00	154.00
2	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required			
a)	Above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mm MS flat clamp)	meter	457.66	55.00
3	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 X95sq. mm (45mm)	Each	2.00	482.00
4	Supplying and fixing following way horizontal type three pole and neutral, sheet steel MCB distribution board 415 volts on surface / recess complete with tinned copper bus bar neutral bus bar , earth bar , din bar interconnections , powder painted including earthing etc as required. (but without MCB/RCCB/Isolator)			
a)	8 way (4 + 24), Double door , horizontal type	Each	1.00	4655.00
5	Providing, laying and fixing following dia G.I. pipe (medium class) in ground complete with G.I. fittings including trenching (75 cm deep) and re-filling etc as required			
a)	100 mm dia	Meter	30.00	948.00
6	Earthing with G.I. earth pipe 4.5 meter long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	Each	4.00	4191.00

7	Providing and fixing 25 mm x 5mm GI Strip on surface or in recess for connection etc. as required	meter	46.88	141.00
8	Supply of 3.5 core 95sq mm XLPE/PVC insulated PVC sheathed (heavy duty) armored electrical cable with aluminum conductor.	meter	540.00	872.00

Quoted Rate –

A. _____% above.

B. _____% below.

C. **At estimated Cost.**

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

01. Issued to – Name of Contractor -

02. **Full Address**
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03. **E.M.D. Details**

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

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

Signature of Contractor with Date

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

Non Schedule item

SI.NO	Item	Unit	Qty	Rate
1	Four pole 40-100 Amps Breaking Capacity 36 KA(L&T DN2-250D d sine with microprocessor Release MTX2.0 Cat no CM921530000AG) 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
I.G.I.M.S., Patna-14**



**INDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES SHEIKHPURA, PATNA –
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BILL OF QUANTITY

Short Tender / Quotation Notice No. Engg. \133 (E)\ 2017-18

01	Name of the Work	Supplying and fixing of Wall fans& Exhaust fans in Main OPD& Administrative building ground floor area including Electrical work at IGIMS, PATNA
02	Estimated cost	Rs. 12,95,876.00 (Rs Twelve lacs, Ninety Five thousand, Eight hundred,Seventy Six) only
03	Cost of quotation documents	Rs.2500.00 (Rupees Two thousand Five hundred Only – Non- refundable)
04	Amount of earnest money to be deposited	Rs.25,918.00 (Rupees Twenty five Thousand, Nine hundred,Eighteen) only
05	Time of Completion of job	30 (Thirty) days
06	Date of receipt of quotation	20/ 12 /2017 up to 03.30 PM at office of the Director, IGIMS, Patna- through Regd./Speed Post /Courier.
07	Date of opening of Tender	21/12 /2017 at 3.30 PM
08	Place of opening of tender	Conference Hall, I.G.I.M.S., Patna-14

Schedule Item

SI.No.	Items	Unit	Qty.	Rate
1	Wiring for circuit/ sub main wiring along with earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required			
a)	2 x 4 sq.mm. + 1 x 4 sq.mm. earth wire	Meter	210.00	193.00
b)	4 x 10 sq.mm + 1 x10 sq.mm earth wire	Meter	681.20.00	684.00
2	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	Each	22.00	446.00
3	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top along with 20 amps "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	Each	50.00	849.00
4	Supplying and fixing pole mounted junction box/fuse box for single phase /2 core low wattage street light pole with all accessories and connection etc as required	Each	50.00	638.00
5	Installation of exhaust fan in the existing opening including making good the damage, connection ,testing ,commissioning etc as required			
a)	Up to 450 mm sweep	Each	50.00	151.00
6	Steel work in built up tubular trusses including cutting, hoisting, fixing in position and applying a priming coar of approved steel primer, welded and bolted including special shaped washers etc. complete:			
a)	Hot finished seamless type tubes	kg	290.00	109.00

7	Providing and fixing anodizedaluminum grill (anodized transparent or dyed to required shade according to IS: 1868 with minimum anodic coating of grade AC 15) of approved design/pattern, with approved standard section and fixed to the existing window frame with C.P. brass/ stainless steel screws @ 200 mm centre to centre, including cutting the grill to proper opening size for fixing and operation of handles and fixing approved anodizedaluminum standard section around the opening, all complete as per requirement and direction of Engineer-in-charge. (Only weight of grill to be ensured for payment).for window jail	kg	85.00	404.90
8	Providing and fixing double scaffolding system (cup locktype) on the exterior side of building/structure, up to 25 meter height, above ground level, including additional rows of scaffolding in stepped manner as per requirement of site, made with 40mm dia M.S. tube, placed 1.5 metercentre to centre, horizontal & vertical tubes joint with cup & lock system with M.S. Tubes, M.S. tube challis, M.S. clamps and staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for execution of work of cleaning and/ or pointing and/ or applying chemical and removing it thereafter. The scaffolding system shall be stiffened with bracings, runners, connecting with the building etc, wherever required, if feasible, for inspection of work at required locations with essential safety features for the workmen etc., complete as per directions and approval of Engineer-in-charge.	sqm.	110.00	126.20
9	Making opening in brick masonry including dismantling, fixing chowk hats in floor or walls cutting masonry and fixing hold fasts in cement concrete 1:3:6(1 cement:3 coarse sand:6 stoneaggregate 20 mm nominal size) painting two coats of coal tar io sides of couchant and making good the damages towallsandfloors complete to match the existing surface.			
	For clerestory window each couchant	Each	22.00	284.8

Quoted Rate –

A. _____ % above.

B. _____ % below.

C. **At estimated Cost.**

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

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

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05. **Time of Completion**

Signature of Contractor with Date

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

Non schedule item

SI No.	Item	Unit	Qty	Rate
1	Turbo force Air Circulator 450 mm Single phase 220 volt wall mounted fan	Each	22.00	
2	Turbo force Heavy duty double ball bearing 300 mm sweep 1400 RPM Single Phase 220 volt Exhaust fan	Each	20.00	
3	Turbo force Heavy duty double ball bearing 380 mm sweep 1400 RPM Single Phase 220 volt Exhaust fan	Each	8.00	
4	Turbo force Heavy duty double ball bearing 450 mm sweep 1400 RPM Single Phase 220 volt Exhaust fan	Each	22.00	
5	3 core 2.5 sq mm copper cable	Meter	520.00	
6	Providing and fixing 25 mm thick Centutuary/Green ply of approved brand. For cup-board, ward robe, partition / paneling Etc. All complete as per architectural drawings and directions of engineer-in charge	Sqmm	42.00	

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

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



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**BILL OF QUANTITY
Short Tender / Quotation Notice No. Engg. \133 (E) 2017-18**

01	Name of the Work	Estimate for supplying & laying of L.T.cable from Main substation to Core block panel and Core block panel to MDR Panel at IGIMS Patna-14
02	Estimated cost	Rs. 3,26,712.00 (RsThreelacs, Twenty six thousand seven hundred Twelve) only
03	Cost of quotation documents	Rs.750.00 (Rupees Seven hundred Fifty) Only – Non- refundable)
04	Amount of earnest money to be deposited	Rs.6,535.00 (Rupees Six Thousand, Five hundred, Thirty five) only
05	Time of Completion of job	07 (Seven) days
06	Date of receipt of quotation	20/ 12 /2017 up to 03.30 PM at office of the Director, IGIMS, Patna- through Regd./Speed Post /Courier.
07	Date of opening of Tender	21/12 /2017 at 3.30 PM
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Schedule Item

Sl.No.	Items	Unit	Qty.	Rate
1	3.5 core70 sq mm XLPE/PVC insulated PVC sheathed (heavy duty) armored electrical cable with aluminum conductor.	meter	80.00	703.00
2	3.5 core 185 sq mm XLPE/PVC insulated PVC sheathed (heavy duty) armored electrical cable with aluminum conductor.	meter	154.00	1608.00
3	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	70.72	159.00
4	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required			
a)	Above 35 sq. mm and upto 95 sq. mm (clamped with25/40x3mm MS flat clamp)	meter	80.00	55.00
b)	Above 35 sq. mm and upto 95 sq. mm (clamped with25x3mm MS flat clamp)	meter	75.00	64.00
5	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 X70 sq. mm (38mm)	Each	2.00	394.00
b)	3½ X185 sq. mm (57mm)	Each	2.00	804.00

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**



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

(Autonomous Institute of Govt. of Bihar)

BILL OF QUANTITY

Short Tender / Quotation Notice No. Engg. \133 (E) 2017-18

01	Name of the Work	Estimate for supplying & laying of LT cable from Trauma centre Panel to Engineering cell panel at IGIMS Patna-14
02	Estimated cost	Rs. 3,53,396.00(Rs Three lacs, Fiftythree thousand Threehundred Ninetysix) only
03	Cost of quotation documents	Rs.750.00 (Rupees Seven hundred Fifty) Only – Non- refundable)
04	Amount of earnest money to be deposited	Rs.7,068.00 (RupeesSeven Thousand, Sixty Eight) only
05	Time of Completion of job	07 (Seven) days
06	Date of receipt of quotation	20/ 12 /2017 up to 03.30 PM at office of the Director, IGIMS, Patna- through Regd./Speed Post /Courier.
07	Date of opening of Tender	21/12 /2017 at 3.30 PM
08	Place of opening of tender	Conference Hall, I.G.I.M.S., Patna-14

Schedule Item

Sr.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 95 sq. mm and upto 185 sq. mm	Meter	135.98	159.00
2	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required			
a)	Above 95 sq. mm and upto 185 sq. mm (clamped with 25x3mm MS flat clamp)	meter	40.00	64.00
3	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	2.00	804.00
4	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	25.00	948.00
5	3.5 core 185 sq mm XLPE/PVC insulated PVC sheathed (heavy duty) armored electrical cable with aluminum conductor.	meter	189.00	1607.98

Quoted Rate –

A. _____ % above.

B. _____ % below.

C. At estimated Cost.

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

01. Issued to – Name of Contractor -

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