

**NAME OF WORK: Electrical repair and renovation of different buildings under BASU, Patna
(Total 08 Electrical Works)**

Estimated Cost: ₹ 36,93,206/-

Cost of Tender Paper: ₹ 5,000/-

(Paid by D.D. No.....Date...../...../20..... Name of Bank

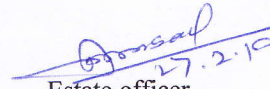
Name of Agency: _____

**OFFICE OF THE ESTATE OFFICE
BIHAR ANIMAL SCIENCES UNIVERSITY
(NOTICE OF INVITING TENDER)**

1. Sealed tenders on plain paper to be eventually drawn in U.E. Form 61 No. F2/K2/H will be received upto 15:00 hours upto 09.03.2019 through Speed Post only by the undersigned and will be opened in presence of the tenderers or their authorized agents.
2. The bill of quantity will be downloaded upto 17:00 hrs on or before 08.03.2019. There will be no sale on the date of receiving tender.
3. The tender documents downloaded from the website will be submitted with cost of B.O.Q in the form of Demand Draft in favor of **FINANCE COMPTROLLER, BIHAR ANIMAL SCIENCES UNIVERSITY, PATNA**. Tenders submitted without cost of B.O.Q. in the form of demand draft will be summarily rejected.
4. Tenderers are required to deposit Earnest money at the rate of ₹ 100/- for every 5000/- or part thereof of the amount of the Estimate. Earnest Money can be deposited in shape of Demand Draft, N.S.C., N.D.C., Post Office Saving Bank Deposit, Post Office Time Deposit duly pledged to the **ESTATE OFFICE, BIHAR ANIMAL SCIENCES UNIVERSITY, PATNA**. The tenderers shall have to attach a copy of N.P.S.C., N.D.C., N.S.C., D.D., or Pass Book with their quotations otherwise these tenders may outright be rejected. N.S.C., N.D.C. D.D., of Pass Book furnished after the receipt of tender on specified date and time will in no case be entertained.
5. Tenderers shall quote their rates both in figures and words and amount worked out against each item of work and initial all corrections, over writings interpolations. Indefinite forms like estimated rates etc. should not be considered.
6. The percentage rates quoted by the contractors should be inclusive of all taxes royalties and other incidental charges (i.e. Labour Cess etc.)
7. The Contractor should quote in their tender:
 - a. Period within which they can complete the work commenting from the date of written orders to commence the work.
 - b. The plants and machinery they possess for execution of works.
 - c. Experience, they have with details of woks and its locations.
 - d. Certificate, if any about the capacity of doing work.
 - e. Technical staff, if they possess.
8. The Contractor should satisfy themselves fully about the nature and site of works before offering their tenders and plea of any ignorance afterwards shall not be considered.
9. Tender without Earnest Money or insufficient Earnest Money will be outright rejected and there will be no position on the body of C.S.
10. Contractors are required to furnish up to date Tax Clearance Certificate in respect of I.T. and S.T. along with their tenders for values of works or ₹ 10,000/- or, over ₹ 10,000/- in each every tender. In absence of these documents along with their tender they will have to submit the same or certificates of No. outstanding Liabilities of I.T. and S.T. from the respective department within 10 days from the date of requisition in a registered letter with A.D. failing which their tenders shall be outright rejected and their Earnest Money furnished with the tenders shall stands forfeited without any further intimation.
11. Amount of Estimate: ₹/-
Earnest Money: ₹/-
Time of Completion:/-
Conditional tenders may be outright rejected.
12. After approval of rates by the competent authority the contractor shall have to deposit the initial Security money in shape of D.D. or N.S.C. with days of the receipt of the written orders from Engineer I/C and execute agreement failing which his tender shall be rejected and Earnest Money forfeited.

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13. Authority shall reserve the right to reject any or all the tenders or distribute the work to more than one contractor without assigning any reasons.
14. No. claim for idle labours due to stoppage of work non supply of materials, drawing and designs or delay due to any other reasons shall be entertained.
15. The Contractor shall arrange necessary site for accommodation and other facilities like medical aid etc. for this labours at his own cost and initiative as well as will comply with all labours rules prevalent in the locality.
16. The specification of work mentioned in B.O.Q. where not mentioned in that case S.B.C., P.W.D., will be followed during the progress of the work. In case of any difference of things not being clear the instructions of the Estate Officer shall be followed.
17. No claim shall be entertained due to fluctuation of rates of labour and materials at any time during completion of work.
18. Materials recoverable of non-recoverable(direction issued to work) shall be issued to the contractor on proper H/R. Recovery of the cost of materials shall be made for the gross quantity issued and not for the quantity consumed in the portion of the work billed for. If materials are obtained in excess of precise requirement, the recovery of the cost of such materials will be made at double the issue rate stipulated in agreement.
19. The contractor employing trucks for carriage of materials or other works shall comply with the rules of Motor Vehicles Act.
20. In the case of L.S. Tenders contractors should clearly write both in figures and words.
21. It will be obligatory on the part of the tenders to keep his tender open for a period of 6 months (180 days) from the date of opening of tender for acceptance.
22. The contractor should maintain the Repair / Renovation Work during the defect liability period from the date of completion of work.
23. "SITE ORDER BOOK":- with numbered pages and bearing the certificates of the E/I of containing so much pages shall have to maintain by the contractor at the site of work, and it will have to be produced, if the E.I. or Inspecting officers desire for any instructions concerning the work. This shall be the property of the Department after completion of work.
24. No. work beyond agreement shall be executed by the contractor unless specifically ordered by the E/I in writing on "SITE ORDER BOOK" and the claim for such work shall be submitted regularly in every month. If the claim is not received in the month to which it relates it will be treated as time barred and may be disallowed.
25. Registered contractors of appropriate category of the P.W.D (R.C.D. & B.C.D.)/B.I.A.D.A./Bihar M.E.S./Bihar Rajya Pul Negam/CPWD and BASU, Patna having satisfactory records of work will be allowed to tender for the work.
26. The first bid Envelope clearly marked as , technical bid shall contain the following document –
 - a. Earnest money is to be deposited in the shape of NSC/TD/Fixed Deposit/Demand Draft only pledged in favour of Estate officer , BASU, Patna.
 - b. Registered contractor of Govt. of Bihar/C.P.W.D./M.E.S. for appropriate category for civil/Electrical work.
 - c. Cost of B.O.Q. (Non-refundable) to be deposited through Demand Draft in favour of the Finance Comptroller, BASU, Patna. Payable at Patna
 - d. PAN No./ Certificate
 - e. Character certificate
 - f. GST No. / GST Certificate
 - g. Latest Income Tax clearance Certificate.
 - h. All the documents should be Self-Attested
 - i. The bidder have to submit the affidavit regarding genuineness and non-black listed paper from notary
27. Second bid envelope shall clearly mention as price bid , shall contain only the BOQ with quoted rate and common set of condition
28. Other terms and condition details may be obtained from university website


Estate officer,
Bihar Animal Sciences university, Patna
ESTATE OFFICER
B.A.S.U, PATNA-800014.



Fill up Given Information

- (a) Detail of Earnest money :
(b) Registration No.\ :
(Certified copy to be enclosed)
(c) Income tax & sale tax clearance certificate :
(Certified copy to be enclosed)
(d) License issued by the labour Department :
(Certified copy to be enclosed)
(e) Detailed of documents attached :
(f) Name and Address of the Tenders :
(h) Signature of tenderer :
(i) Mobile No. :

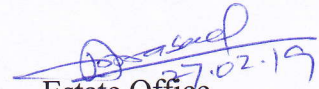
I/ we execute the work at:-

- (I) Estimated / Analysed rates shown in the Bill of Quantities.
(II) (I) In word Percent above the rates shown in the bill of quantities
(II) In figure Percent above the rates shown in the bill of quantities
(III) (I) In figure Percent below the rates shown in the bill of quantities
(II) In figure Percent below the rates shown in the bill of quantities

I/We will completed the work within month from the date of work order.

I/ We have read and fully understood the terms and condition of the state (P.W.D.) contract form F2 and the N.I.T. and special condition attached here with.

Name & full signature of the Tenderer


Estate Office

Bihar Animal Sciences University
Patna – 14

For office use only

- 1) No. of Cutting.....
2) No. of over writing
3) Rate quoted
4) Earnest Money :

Estate Office
Bihar Animal Sciences University
Patna – 14



**Electrical Repair and Renovation of different buildings under
BASU, Patna
(Total 08 Electrical Works)**

Sl. No.	Name Of Work	Amount (₹)
(1).	New Electrical Wiring work of Reception Block Near Gate of (Administrative Building) under BASU, Patna-14	₹ 36,93,206.00 (Thirty Six Lacs Thirty Eight Thousand Two Hundred Six)
(2).	Renovation of Electric Wiring in the Department of Extension at BASU, Patna	
(3).	Installation of New Earthing work(24 Nos. Copper Type & 25 No. G.I. Type) Total 49 Nos.	
(4).	Renovation of Electric Wiring in the Library Building at BASU, Patna	
(5).	Renovation of Electric Wiring in the Department of Anatomy at BASU Patna	
(6).	Renovation of Electrical Wiring with other electrical fittings/accessories of Guest House under BASU, Patna-14	
(7).	New Electric Wiring work of cattle breeding farm (Total Sheds-08 nos.) under BASU, Patna	
(8).	Renovation of Electrical Wiring in the Residential Scientist flat (Total Flat 10 No.)	

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**New electric wiring work of Reception Block near gate of (Admin. Building) under
BASU Patna-14**

Sl No	SOR No (2018) Electrical Item Code.	DESCRIPTION OF ITEMS	Quantity	Unit	Rate	Amount
		point wiring				
1	1.3	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 of GI box etc as required .				
	1.3.3	Group (C)	30	Point	724	₹ 21,720.00
		Submain Wiring				
2	1.5	Wiring for light/ power plug plug with 2 X 4 sq. mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit along with 1 Nos 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required.	80	Meter	200	₹ 16,000.00
3	1.7	Wiring for circuit / submain wiring along with earth wire with the following size of fr pvc insulated copper conductor single core cable in surface /recessed medium class pvc conduit as required.				
	1.7.1	2 X 1.5 Sq. mm + 1 X 1.5 Sq. mm	50	Meter	130	₹ 6,500.00
	1.7.2	2 X 2.5 Sq. mm + 1 X 2.5 Sq. mm	120	Meter	161	₹ 19,320.00
4	1.16	Supplying and drawing following pair 0.5 sq. mm FR PVC insulated annealed copper conductor , unarmoured telephone cable in the existing surface / recessed PVC conduit as required.				
	1.16.1	1 Pair	10.00	Each	13.00	₹ 130.00
5	1.31	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.	10.00	Each	362.00	₹ 3,620.00
6	1.32	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.	4.00	Each	413.00	₹ 1,652.00
7	1.33	supplying and fixing of , 2 pin 6 amps ceiling rose on the existing junction box wooden block including connection etc as required.	30	Each	42	₹ 1,260.00
8	2.9	supplying and fixing following way horizontal type three pole and neutral , sheet steel mcb distribution board 415 volt on surface /recess complete with tinned copper bus bar ,neutral bus bar earth bar din bar ,interconnection powder painted including earthing etc as required (but without mcb /rccb/isolator)				
	2.9.4	4 way (4 + 12) , double door , horizontal type	1	Each	2388	₹ 2,388.00
9	2.12	Supplying and fixing of following rating 240/415 volt ' c ' curve miniature circuit breaker suitable for inductive load of following poles in the existing mcb DB complete with connection testing and commissioning etc as required .				



	2.12.1	6/32 amp single pole	12	Each	192	₹	1,920.00
	2.12.6	40 amps Triple pole and neutral	1	Each	1487	₹	1,487.00
10	2.31	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.	4	Each	594	₹	2,376.00
11	8.11.4	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.	1	Each	1483	₹	1,483.00
12	8.11.3	Supply and installation of regular/standard model A.C. ceiling fan of 1400 mm sweep including wiring the down rods of standard length (up to 30cm) with 1.5sq. mm FR PVC insulated copper conductor etc as required.	3	Each	1758	₹	5,274.00
12	7.1	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.					
	7.1.1	up to 35 Sq. mm	50	Meter	144	₹	7,200.00
13	5.9.3	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	15	Each	684	₹	10,260.00
14	1.34	Supplying and fixing batten/ angle holder including connection etc. as required	12	Each	46	₹	552.00
	6.1	Supplying and fixing of following types lamp in the existing electrical fitting/ fixtures etc. as required					
	6.1.32	7 watt LED Lamp	12	Each	159	₹	1,908.00
15	2.5	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.					
	2.5.1	63 Amps	1	Each	2861	₹	2,861.00

Basu Patna
27.2.19
ESTATE OFFICER
BASU PATNA

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Basu Patna

Renovation of Electric wiring in the dept. of Extension at BASU Patna for the year 2018-19

SI No	SOR No (2018) Electrical Item Code.	DESCRIPTION OF ITEMS	Quantity	Unit	Rate	Amount
		<u>Point Wiring in PVC Conduit with Modular switch:-</u>				
1	1.3	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 of GI box etc as required .				
	1.3.1	Group (A)	20	point	₹ 513.00	₹ 10,260.00
	1.3.2	Group (B)	30	point	₹ 602.00	₹ 18,060.00
	1.3.3	Group(C)	20	point	₹ 724.00	₹ 14,480.00
		<u>Power Plug Wiring in PVC Conduit (2 X 4 Sq. mm):-</u>				
2	1.5	Wiring for light/ power plug plug with 2 X 4 sq. mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit along with 1 Nos 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required.	200	meter	₹ 200.00	₹ 40,000.00
		<u>Circuit / Submain Wiring in PVC Conduit :-</u>				
3	1.7	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
	1.7.2	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	50	meter	₹ 161.00	₹ 8,050.00
	1.7.3	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	140	meter	₹ 200.00	₹ 28,000.00
	1.7.4	4 X 6 sq. mm + 1 X 6 sq. mm earth wire	70	meter	₹ 410.00	₹ 28,700.00
		<u>S/F Modular type switch / socket :-</u>				
4	1.24	Supplying and fixing following modular switch / socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.pppp				
	1.24.3	15/16 amp switch	16	Each	₹ 134.00	₹ 2,144.00
	1.24.5	6 pin , 15/16 amp socket outlet	20	Each	₹ 185.00	₹ 3,700.00
		<u>S/F Stepped type electronic fan regulator :-</u>				
5	1.25	Supplying and fixing stepped type electronic fan regulator on the existing modular plate/ switch box including connections but excluding modular plate etc	12.00	Each	₹ 359.00	₹ 4,308.00
		<u>S/F PVC /G.I. Boxes:-</u>				
6	1.27	Supplying and fixing following size/ modules, GI box along with modular base and cover plate for modular switches in recess etc as required.				
	1.27.4	6 Module(200 mm X 75 mm)	6.00	Each	₹ 275.00	₹ 1,650.00
	1.27.6	12 module	2.00	Each	₹ 423.00	₹ 846.00
		<u>S/F Power Plug with modular type switch and socket</u>				
7	1.32	Supplying and fixing suitable size GI box with modularplate 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.	8.00	Each	₹ 413.00	₹ 3,304.00

<u>S/F Ceiling Rose:-</u>						
8	1.33	supplying and fixing of , 2 pin 6amp ceiling rose on the existing junction box wooden block including connection etc as required.	70	Each	₹ 42.00	₹ 2,940.00
<u>S/F Batten Holder :-</u>						
9	1.34	Supplying and fixing batten/ angle holder including connection etc. as required.	5	Each	₹ 46.00	₹ 230.00
<u>S/F Modular type A.C. Unit box point :-</u>						
10	2.31.0	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.	7	Each	₹ 594.00	₹ 4,158.00
<u>S/F Triple Pole MCB DB :-</u>						
11	2.9	supplying and fixing following way horizontal type three pole and neutral , sheet steel mcb distribution board 415 volt on surface /recess complete with tinned copper bus bar ,neutral bus bar earth bar din bar ,interconnection powder painted including earthing etc as reuired (but wittout mcb /rccb/isolator)				
	2.9.5	4 way (4 + 12) , double door , horizontal type	2	Each	₹ 2,388.00	₹ 4,776.00
<u>S/F , MCB:-</u>						
12	2.12	Supplying and fixing of following rating 240/415 volt ' c ' curve miniature circuit breaker suitable for inductive load of following poles in the existing mcb DB complete with connection testing and commissioning etc as required .				
	2.12.1	6/32 amp single pole	30	each	₹ 192.00	₹ 5,760.00
	2.12.2	6/32 amp spn	1	Each	₹ 511.00	₹ 511.00
	2.12.5	63 amp , Triple pole and neutral	2	Each	₹ 1,635.00	₹ 3,270.00
<u>S/F LED type Tube fitting :-</u>						
13	5.9.3	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.	40	Each	₹ 684.00	₹ 27,360.00
<u>S/F LED type Flood light :-</u>						
14	5.13.10	Supplying and fixing 90 watt LED type FLOOD light with die cast aluminium housing for ingress protection of IP65 and complete with all accessories etc and connection with FR PVC insulated copper conductor cable and earthing the body etc. as required.	4	Each	₹ 8,501.00	₹ 34,004.00
15	6.1	Supplying and fixing of following types lamp in the existing electrical fitting/ fixtures etc. as required.				
	6.1.31	5 watt LED lamp	5	Each	₹ 134.00	₹ 670.00
<u>S/I of A.C. ceiling fan :-</u>						
16	8.11.3	Supply and installation of regular/standard model A.C. ceiling fan of 1400 mm sweep including wiring the down rods of standard length (upto 30 cm) with 1.5 sq.mm FR PVC insulated copper conductor etc as required.	12	Each	₹ 1,758.00	₹ 21,096.00
<u>S/I of A.C. Exhaust Fan :-</u>						
17	8.11.4	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.	1	Each	₹ 1,483.00	₹ 1,483.00


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**Schedule of lectrical for new earthing work at bihar animal
sciences university patna**

S.no.	SOR code 2018	Description of items	Unit	Quantity	Rate	Amount
1	3.4	earthing with GI earth plate 600x600x6mm thick including accessories and providing masonry enclosure with covering plate having locking arrangement and watering pipe 2.7 mtr long etc with charcoal /coke and salt as required	each	25	6276	156900
2	3.6	earthing with copper earth plate 600x600x6mm thick including accessories and providing masonry enclosure with covering plate having locking arrangement and watering pipe 2.7 mtr long etc with charcoal /coke and salt as required	each	24	12831	307944
3	3.7	providing and fixing 6 swg dia GI wire on surface or in recess for loop earthing along with existing surface /recess conduit /submain wiring cable as	mtr	(20X25) =500	17	8500
4	3.8	supplying and laying 25mm x5mm copper strip at 0.5 meter below ground as strip earth electrod including connection / termination with nut bolt spring washer etc as required	mtr	(10X7) =60	898	53880



5	3.17	providing and fixing 4mm dia copper wire on surface or in recess for loop earthing along with existing surface /recess conduit /submain wiring cable as required .	mtr	(20 X 17) =340	116	39440
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Done
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ESTATE OFFICER
B.A.S.U, PATNA-800014.

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**Renovation of Electric wiring in the Library Building at
BASU Patna for the year 2018-19**

Sl. No.	SOR No (2018) Electrical Item Code.	DESCRIPTION OF ITEMS	Quantity	Unit	Rate	Amount
		<u>Point Wiring in PVC Conduit with Modular switch:-</u>				
1	1.3	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 of GI box etc as required .				
	1.3.1	Group (A)	40	point	513	₹ 20,520.00
	1.3.2	Group (B)	60	point	602	₹ 36,120.00
	1.3.3	Group(C)	40	point	724	₹ 28,960.00
2	1.4	Wiring for twin control light point with 1.5 sq. mm FRPVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2 way modular switch, modular plate, suitable GI box etc as required.	5	point	755	₹ 3,775.00
		<u>Power Plug Wiring in PVC Conduit (2 X 4 Sq. mm):-</u>				
3	1.5	Wiring for light/ power plug plug with 2 X 4 sq. mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit along with 1 Nos 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required.	200	meter	200	₹ 40,000.00
		<u>Circuit / Submain Wiring in PVC Conduit</u>				
4	1.7	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper onductor, single core cable in surface/ recessed medium class PVC conduit as required.				
	1.7.2	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	360	meter	161	₹ 57,960.00
	1.7.3	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	360	meter	200	₹ 72,000.00
	1.7.4	4 X 6 sq. mm + 1 X 6 sq. mm earth wire	60	meter	410	₹ 24,600.00
		<u>S/F Stepped type electronic fan regulator :-</u>				
6	1.25	Supplying and fixing stepped type electronic fan regulator on the existing modular plate/ switch box including connections but excluding modular plate etc	30.00	Each	359.00	₹ 10,770.00
		<u>S/F Power Plug with modular type switch and socket :-</u>				
8	1.31	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.	20.00	Each	362.00	₹ 7,240.00
9	1.32	Supplying and fixing suitable size GI box with modularplate 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.	10.00	Each	413.00	₹ 4,130.00
		<u>S/F Ceiling Rose:-</u>				
10	1.33	supplying and fixing of , 2 pin 6amp ceiling rose on the existing junction box wooden block including connection etc as required.	140	Each	42	₹ 5,880.00
		<u>S/F Batten Holder :-</u>				
11	1.34	Supplying and fixing batten/ angle holder including connection etc. as required.	15	Each	46	₹ 690.00

S/F Modular type A.C. Unit box point :-						
13	2.31.0	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.	18	Each	594	₹ 10,692.00
S/F Bushbar Chamber :-						
14	2.5	providing and fixing following capacity bus bar chamber with 4 strips of suitable size made of copper, heavy duty, complete with all accessories including connections, earthing the body etc. as required Providing and fixing following capacity busbar				
	2.5.3	200 amp	1	Each	7742	₹ 7,742.00
S/F Triple Pole MCB DB :-						
15	2.9	supplying and fixing following way horizontal type three pole and neutral , sheet steel mcb distribution board 415 volt on surface /recess complete with tinned copper bus bar ,neutral bus bar earth bar din bar ,interconnection powder painted including earthing etc as reured (but wittout mcb /rccb/isolator)				
	2.9.5	6 way (4 + 18) , double door , horizontal type	2	Each	2905	₹ 5,810.00
S/F, MCB:-						
16	2.12	Supplying and fixing of following rating 240/415 volt ' c ' curve miniature circuit breaker suitable for inductive load of following poles in the existing mcb DB complete with connection testing and commisisoning etc as required .				
	2.12.1	6/32 amp single pole	28	Each	192	₹ 5,376.00
	2.12.2	6/32 amp spn	1	Each	511	₹ 511.00
	2.12.5	50/63 amp , Triple pole and neutral	4	Each	1635	₹ 6,540.00
S/F LED type tube fitting :-						
22	5.9.3	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.	50	Each	684	₹ 34,200.00
S/F LED type Flood light :-						
23	5.13.10	Supplying and fixing 90 watt LED type FLOOD light with die cast aluminium housing for ingress protection of IP65 and complete with all accessories etc and connection with FR PVC insulated copper conductor cable and earthing the body etc. as required.	4	Each	8501	₹ 34,004.00
24	6.1	existing electrical fitting/ fixtures etc. as requiredSupplying and fixing of following types lamp in the				
	6.1.31	5 watt LED lamp	15	Each	134	₹ 2,010.00
S/L Armoured cable :-						
25	2205	3.5 CORE , 25sqmm XLPE/PVC insulated pvc sheathed (heavy duty) armoured electric cable with aluminium conductor	50	meter	126	₹ 6,300.00
26	7.4	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.				
	7.4.1	up to 35sqmm	50	meter	29	₹ 1,450.00
S/I of A.C. ceiling fan :-						
27	8.11.3	Supply and installation of regular/standard model A.C. ceiling fan of 1400 mm sweep including wiring the down rods of standard length (upto 30 cm) with 1.5 sq.mm FR PVC insulated copper conductor etc as required.	30	Each	1758	₹ 52,740.00

		S/I of A.C. Exhaust Fan :-					
28	8.11.4	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.	4	Each	1483	₹	5,932.00
		P/F of OFF-LOAD Changeover switch					
29	2.6	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					
	2.6.6	200 Amp , four pole	1	Each	11,831	₹	11,831.00
		P/F of MCCB					
30	2.4	Providing and fixing following rating and breaking capacity MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections etc. as required.					
	2.4.5	200 Amp, 35 KA	1	Each	11,915	₹	11,915.00
		S/F of Cubical Panel					
31	8.10.1	Supplying and fixing wall/floor mounted cubical panel board, fabricated with 18 gauge iron sheet, suitable for panel mounted switch disconnector, including bus-bar chamber, insulator and painting etc. as required. (but without busbar copper strip)	12	Sq. ft	1314	₹	15,760.00
		S/F of Ammeter					
32	8.10.6	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.	1	Each	1643	₹	1,643.00
		S/F of digital voltmeter					
33	8.10.4	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.	1	Each	1337	₹	1,337.00
34	2318	pilot lamp for indicator	3	Each	91.5	₹	274.50
35	2319	Selector switch	2	Each	293.25	₹	586.50

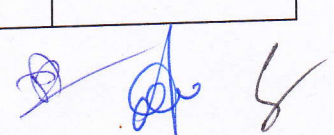
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Renovation of Electric wiring in the dept. of Anatomy at BASU Patna

Sl. No.	SOR No (2018) Electrical Item Code.	DESCRIPTION OF ITEMS	Quantity	Unit	Rate	Amount
Point Wiring in PVC Conduit with Modular switch:-						
1	1.3	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 of GI box etc as required .				
	1.3.1	Group (A)	15	point	₹ 513.00	₹ 7,695.00
	1.3.2	Group (B)	25	point	₹ 602.00	₹ 15,050.00
	1.3.3	Group(C)	15	point	₹ 724.00	₹ 10,860.00
Power Plug Wiring in PVC Conduit (2 X 4 Sq. mm):-						
2	1.5	Wiring for light/ power plug plug with 2 X 4 sq. mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit along with 1 Nos 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required.	240	meter	₹ 200.00	₹ 48,000.00
Circuit / Submain Wiring in PVC Conduit :-						
3	1.7	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required.				
	1.7.2	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	100	meter	₹ 161.00	₹ 16,100.00
	1.7.3	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	140	meter	₹ 200.00	₹ 28,000.00
	1.7.4	4 X 6 sq. mm + 1 X 6 sq. mm earth wire	60	meter	₹ 410.00	₹ 24,600.00
S/F Modular type switch / socket :-						
4	1.24	Supplying and fixing following modular switch / socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required				
	1.24.1	5/6 amps switch	60	Each	₹ 81.00	₹ 4,860.00
	1.24.4	3 pin, 5/6 amps socket outlet	12	Each	₹ 122.00	₹ 1,464.00
S/F Stepped type electronic fan regulator :-						
5	1.25	Supplying and fixing stepped type electronic fan regulator on the existing modular plate/ switch box including connections but excluding modular plate etc	29	Each	₹ 359.00	₹ 10,411.00
S/F PVC /G.I. Boxes:-						
6	1.27	Supplying and fixing following size/ modules, GI box along with modular base and cover plate for modular switches in recess etc as required.				
	1.27.6	12 module	6	Each	₹ 423.00	₹ 2,538.00
S/F Power Plug with modular type switch and socket						
7	1.32	Supplying and fixing suitable size GI box with modularplate 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.	12	Each	₹ 413.00	₹ 4,956.00
S/F Ceiling Rose:-						



8	1.33	supplying and fixing of , 2 pin 6amp ceiling rose on the existing junction box wooden block including connection etc as required.	70	Each	₹ 42.00	₹ 2,940.00
		<u>S/F Batten Holder :-</u>				
9	1.34	Supplying and fixing batten/ angle holder including connection etc. as required.	15	Each	₹ 46.00	₹ 690.00
		<u>S/F Modular type A.C. Unit box point :-</u>				
10	2.31.0	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	7	Each	₹ 594.00	₹ 4,158.00
		<u>S/F Triple Pole MCB DB :-</u>				
11	2.9	supplying and fixing following way horizontal type three pole and neutral , sheet steel mcb distribution board 415 volt on surface /recess complete with tinned copper bus bar ,neutral bus bar earth bar din bar ,interconnection powder painted including earthing etc as reuired (but wittout mcb /rccb/isolator)				
	2.9.5	4 way (4 + 12) , double door , horizontal type	2	Each	₹ 2,388.00	₹ 4,776.00
		<u>S/F , MCB:-</u>				
12	2.12	Supplying and fixing of following rating 240/415 volt ' c ' curve miniature circuit breaker suitable for inductive load of following poles in the existing mcb DB complete with connection testing and commisisoning etc as required .				
	2.12.1	6/32 amp single pole	25	each	₹ 192.00	₹ 4,800.00
	2.12.2	6/32 amp spn	1	Each	₹ 511.00	₹ 511.00
	2.12.5	63 amp , Triple pole and neutral	2	Each	₹ 1,635.00	₹ 3,270.00
		<u>S/F LED type Tube fitting :-</u>				
13	5.9.3	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.	67	Each	₹ 684.00	₹ 45,828.00
		<u>S/F LED type Flood light :-</u>				
14	5.13.10	Supplying and fixing 90 watt LED type FLOOD light withdie cast aluminium housing for ingress protection of IP65 and complete with all accessories etc andconnection with FR PVC insulated copper conductor cable and earthing the body etc. as required	4	Each	₹ 8,501.00	₹ 34,004.00
		<u>S/F Following type lamp :-</u>				
15	6.1	Supplying and fixing of following types lamp in the existing electrical fitting/ fixtures etc. as required.				
	6.1.31	5 watt LED lamp	15	Each	₹ 134.00	₹ 2,010.00





		<u>S/I of A.C. ceiling fan :-</u>				
16	8.11.3	Supply and installation of regular/standard model A.C. ceiling fan of 1400 mm sweep including wiring the down rods of standard length (upto 30 cm) with 1.5 sq.mm FR PVC insulated copper conductor etc as required.	30	Each	₹ 1,758.00	₹ 52,740.00
		<u>S/I of A.C. Exhaust Fan :-</u>				
17	8.11.4	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.	4	Each	₹ 1,483.00	₹ 5,932.00
		<u>S/F BUSHBAR CHAMBER:-</u>				
18	2.5	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.				
	2.5.2	100 Amps	1	Each	₹ 3,684.00	₹ 3,684.00
		<u>S/L Armoured Cable :-</u>				
19	2205	3.5 core, 25 sq. mm XLPE/PVC insulated PVC sheathed (Heavy duty) armoured electric cable with aluminium conductor	150	meter	₹ 126.00	₹ 18,900.00
20	7.4	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.				
	7.4.1	Upto 35 sq. mm (Clamped with 1 mm thick saddle)	150	meter	₹ 29.00	₹ 4,350.00


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Renovation of Electric wiring in the guest house at BASU Patna-14

SI No	SOR No (2018) Electrical Item	DESCRIPTION OF ITEMS	Quantity	Unit	Rate	Amount
1	1.3	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 of GI box etc as required .				
	1.3.1	Group(A)	80	point	513	₹ 41,040.00
	1.3.2	Group(B)	60	point	602	₹ 36,120.00
	1.3.3	Group (C)	30	point	724	₹ 21,720.00
2	1.4	Wiring for twin control light point with 1.5 sq. mm FRPVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2 way modular switch, modular plate, suitable GI box etc as required.	4	point	755	₹ 3,020.00
3	1.5	Wiring for light/ power plug plug with 2 X 4 sq. mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit along with 1 Nos 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required.	300	meter	200	₹ 60,000.00
4	1.7	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
	1.7.2	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	300	meter	161	₹ 48,300.00
	1.7.3	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	500	meter	200	₹ 1,00,000.00
5	1.24	Supplying and fixing following modular switch / socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required				
	1.24.1	5/6 amps switch	100	Each	81	₹ 8,100.00
	1.24.3	15/16 amps switch	100	Each	134	₹ 13,400.00
	1.24.4	3 pin, 5/6 amps socket outlet	100	Each	122	₹ 12,200.00
	1.24.5	6 pin , 15/16 amps socket outlet	100	Each	185	₹ 18,500.00
	1.24.6	telephone socket outlet	15	Each	108	₹ 1,620.00
	1.24.7	TV antenna socket outlet	15	Each	102	₹ 1,530.00
	1.24.8	Bell push	15	Each	116	₹ 1,740.00
6	1.25	Supplying and fixing stepped type electronic fan regulator on the existing modular plate/ switch box including connections but excluding modular plate etc	17.00	Each	359.00	₹ 6,103.00
7	1.27	Supplying and fixing following size/ modules, GI box along with modular base and cover plate for modular switches in recess etc as required.				
	1.27.4	6 Module(200 mm X 75 mm)	50.00	Each	275.00	₹ 13,750.00
	1.27.6	12 module(200mm X150mm)	5.00	Each	423.00	₹ 2,115.00
8	1.33	supplying and fixing of , 2 pin 6 amps ceiling rose on the existing junction box wooden block including connection etc as required.	170	Each	42	₹ 7,140.00
9	1.34	Supplying and fixing batten/ angle holder including connection etc. as required.	50	Each	46	₹ 2,300.00
10	2.31.0	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	30	Each	594	₹ 17,820.00

11	2.5	providing and fixing following capacity bus bar chamber with 4 strips of suitable size made of copper, heavy duty, complete with all accessories including connections, earthing the body etc. as required.				
	2.5.2	100 amp	2	Each	3684	₹ 7,368.00
12	2.9	supplying and fixing following way horizontal type three pole and neutral , sheet steel mcb distribution board 415 volt on surface /recess complete with tinned copper bus bar ,neutral bus bar earth bar din bar ,interconnection powder painted including earthing etc as reured (but wittout mcb /rccb/isolator)				
	2.9.4	4 way (4 + 12) , double door , horizontal type	1	Each	2388	₹ 2,388.00
	2.9.5	6 way (4 + 18) , double door , horizontal type	6	Each	2905	₹ 17,430.00
13	2.12	Supplying and fixing of following rating 240/415 volt ' c ' curve miniature circuit breaker suitable for inductive load of following poles in the existing mcb DB complete with connection testing and commisssioning etc as required .				
	2.12.1	6/32 amp single pole	108	each	192	₹ 20,736.00
	2.12.6	40 amp , Triple pole and neutral	7	Each	1487	₹ 10,409.00
14	3.6	earthing with copper earth plate 600x600x3mm thick including accessories and providing masonry enclosure with covering plate having locking arrangement and watering pipe 2.7 mtr long etc with charcoal /coke and salt as required	2	set	12831	₹ 25,662.00
15	3.19	providing and fixing 4mm dia copper wire on surface or in recess for loop earthing along with existing surface /recess conduit /submain wiring cable as required .	60	mtr	102	₹ 6,120.00
16	5.9.3	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.	70	Each	684	₹ 47,880.00
17	6.1	existing electrical fitting/ fixtures etc. as requiredSupplying and fixing of following types lamp in the				
	6.1.31	5 watt LED lamp	30	Each	134	₹ 4,020.00
	6.1.33	10/12 watt LED lamp	20	Each	178	₹ 3,560.00
18	2205	3.5 CORE , 25 sqmm XLPE/PVC insulated pvc sheathed (heavy duty) armoured electric cable with aluminium conductor	200	meter	126	₹ 25,200.00
19	7.4	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.				
	7.4.1	up to 35sqmm (clamped with 1 mm thick saddle)	200	meter	29	₹ 5,800.00
20	8.11.3	Supply and installation of regular/standard model A.C. ceiling fan of 1400 mm sweep including wiring the down rods of standard length (upto 30 cm) with 1.5 sq.mm FR PVC insulated copper conductor etc as required.	17	Each	1758	₹ 29,886.00
21	8.11.4	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.	15	Each	1483	₹ 22,245.00


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**New electric wiring work of cattle breeding farm (Total sheds-08 nos) under
BASU Patna-14**

SI No	SOR No (2018) Electrical Item Code	DESCRIPTION OF ITEMS	Quantity	Unit	Rate	Amount
1	1.1	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 piyano type switch , phenolic laminated sheet , suitable size M.S. / PVC box etc as required .				
	1.1.1	Group (A)	20	/point	430	₹ 8,600.00
	1.1.2	Group (B)	50	/point	513	₹ 25,650.00
	1.1.3	Group (C)	30.00	/point	621.00	₹ 18,630.00
2	1.7	wiring for circuit/submain wiring along with earth wire with the following size of fr pvc insulated copper conductor single core cable in surface /recessed medium class pvc conduit as required.				
	1.7.2	2x2.5 sq.mm +1x2.5 sq.mm earth wire	200.00	/M	150.00	₹ 30,000.00
	1.7.3	2x4 sq.mm +1x4 sq.mm earth wire	50.00	/M	193.00	₹ 9,650.00
3	1.33	supplying and fixing of , 2 pin bamp ceiling rose on the existing junction box wooden block including connection etc as required.	100	Each	35	₹ 3,500.00
4	2.9	supplying and fixing following way horizontal type three pole and neutral , sheet steel mcb distribution board 415 volt on surface /recess complete with tinned copper bus bar ,neutral bus bar earth bar din bar ,interconnection powder painted including earthing etc as required (but without mcb /rccb/isolator)				
	2.9.4	4 way (4 + 12) double door , horizontal type	2	Each	2931	₹ 5,862.00
5	2.12	s/f of following rating 240/415 volt ' c ' curve miniature circuit breaker suitable for inductive load of following poles in the existing mcb db complete with connection testing and commissioning etc as required .				
	2.12.1	6/32 amp single pole	20	each	208	₹ 4,160.00
	2.12.2	6/32 amp spn	8	each	340	₹ 2,720.00
	2.12.5	6/32amp tripole and neutral	4	Each	1248	₹ 4,992.00
6	2.26	Supplying and fixing 30 amps , 415 V TPN industrial type socket outlet with 4 pole and earth , metal enclosed plug top along with 30 amps "c" curve , TPN 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.	4	each	2704	₹ 10,816.00
7	3.4	earthing with gi earth plate 600x600x6mm thick including accessories and providing masonry enclosure with covering plate having locking arrangement and watering pipe 2.7 mtr long etc with charcoal /coke and salt as required	4	set	5520	₹ 22,080.00

8	3.18	providing and fixing 6 swg dia GI wire on surface or in recess for loop earthing along with existing surface /recess conduit /submain wiring cable as required .	60	mtr	23	₹	1,380.00
9	5.9	supplying and fixing folowing powder coated batten for 28 watt T5 flourescent tube complete with electronics ballast and lamp etc. directly on wall ceiling including connection with 1.5 sqmm FRPVC insulated copper conductor and earthing the body etc as required					
	5.9.1	Single	100	Each	957	₹	95,700.00
10	5.12.5	Supplying and fixing 40/45 watt LED type street light with die cast aluminium housing for ingress protection of IP65 and complete with all accessories etc on pole/building connection with FR PVC insulated copper conductor cable and earthing the body etc as required	12	Each	9624	₹	1,15,488.00
11	2.4	Providing and fixingfollowing rating and breaking capacity MCCB in existingcubicle panel board including drilling holes in cubical panel , making connections etc as required.					
	2.4.2	25/100 Amp. ,16 KA	1	Each	5027	₹	5,027.00
12	2.5	Providing and fixing following capacity bushbar chamber with 4 strips of suitable size made of copper , heavy duty . Complete with all accessories including connections , earthing the body etc as required					
	2.5.2	100 Amps	1	Each	3228	₹	3,228.00
13	2.8	Suppling and fixing following of follwing way single pole and neutral sheet steel , MCB Distribution board 240 V 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)					
	2.8.2	2+6 way , single door	6	Each	802	₹	1,612.00
14	2201	2 core , 6 sq. mm XLPE/PVC insulated PVC sheath (heavy duty)armoured electric cable with Aluminium conductor	100	m	105	₹	10,500.00
15	2204	4 core , 16 sq. mm XLPE/PVC insulated pvc sheathed (heavy duty) armoured electric cable	50	m	200	₹	10,000.00
16	7.1	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.					
	7.1.1	upto 35 sq. mm	150	m	149	₹	22,350.00

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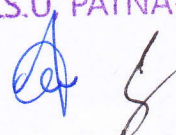
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**Renovation of electrical wiring in the Residential Scientist Flat
(total flat-10 no.) at BASU, Patna**

S.N	SOR Item No. 2018	Description of item	Unit	Rate	Qty	Amount (Rs.)
Section – A (Wiring)						
1	1.3	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 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.				
	1.3.1	Group A	Point	₹ 513.00	190	₹ 97,470.00
	1.3.2	Group B	Point	₹ 602.00	80	₹ 48,160.00
	1.3.3	Group C	Point	₹ 724.00	25	₹ 18,100.00
2	1.7	Wiring for circuit/submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/recessed pvc conduit as required.				
	1.7.2	2 X 2.5 sq.mm + 1 X 2.5 sq.mm earth wire	Metre	₹ 161.00	600	₹ 96,600.00
	1.7.3	2x4 sqmm +1 x4 sqmm earth wire	Metre	₹ 200.00	750	₹ 1,50,000.00
	1.75	2x10 sqmm +1x10sqmm earth wire	meter	₹ 382.00	135	₹ 51,570.00
3	1.24	Supplying and fixing following modular switch/socket on the existing modular plate & switch box including connections but excluding modular plate. Etc. as required.				
	1.24.1	5/6 amps switch	Each	₹ 81.00	100	₹ 8,100.00
	1.24.3	15/16 amp switch	Each	₹ 134.00	100	₹ 13,400.00
	1.24.4	3 pin 5/6 amp socket outlet	Each	₹ 122.00	100	₹ 12,200.00
	1.24.5	3 pin 15/16 amp socket outlet	Each	₹ 185.00	100	₹ 18,500.00
4	1.25	supplying and fixing stepped type electronics fan regulator on the existing modular plate / switch box including connection but excluding modular plate etc as required	Each	₹ 359.00	50	₹ 17,950.00
5	1.27	S/F modular boxes, base & cover plate : Supplying and fixing following size/modules, GI box along with modular base & cover plate for modular switches in recess etc as required.				
	1.27.4	6 Module (200mm X 75mm)	Each	₹ 275.00	100	₹ 27,500.00
6	1.33	supplying and fixing 2pin 6 amp , ceiling rose on the exiting junction box / wooden block including connection etc as required	Each	₹ 42.00	272	₹ 11,424.00
7	1.34	supplying and fixing batten angle holder including connection etc as required	Each	₹ 46.00	30	₹ 1,380.00
8	2.31	supplying and fixing modular type 25amp ac unit box with on of mcb on surface on recessed complete with all connection , testing and commisisoning etc as required	Each	₹ 594.00	20	₹ 11,880.00
9	2.12	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.				
	2.12.1	Single pole	Each	₹ 192.00	80	₹ 15,360.00
	2.12.2	6/32 amp SPN	Each	₹ 511.00	10	₹ 5,110.00

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S.No.	SOR Item No. 2018	Description of item	Unit	Rate	Qty	Amount (Rs.)
10	2.9	Supplying and fixing following way, surface/recess,mounting vertical type 415 volt TPN MCB distribution board of sheet steel , dust protected duly powder painted inclusive 200 amp complete with tinned copper bus bar, neutral bus bar, earth bar,din bar, for mounting mcb , . as required. (But without MCB/RCCB/Isolator)				
	2.8.8	2+8 way double door horizontal type	Each	₹ 1,242.00	10	₹ 12,420.00
11	5.9.3	supplying and fixing single wall mounted 18/22 watt 28 watt LED type batten fitting complete with all electronics driver and led tube light directly on wall ceiling including connection with 1.5 sqmm fr pvc insulated copper conductor and earthing the body etc as required .	Each	₹ 684.00	100	₹ 68,400.00
12	5.12.5	supplying and fixing 40 /45 watt led type street light with die cast aluminium housing for ingress protection of ip 65 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	₹ 4,056.00	3	₹ 12,168.00
13	6.1	supplying and fixing following type lamp in the existing electrical fitting / fixtures etc as required				
	6.1.31	5 watt led lamp	Each	₹ 134.00	10	₹ 1,340.00
14	8.10.3	Supplying and fixing wall/floor mounted cubical panelboard, fabricated with 18 gauge iron sheet, suitable for panel mounted switch disconnecter, including bus-bar chamber, insulator and painting etc. as required. (but without busbar copper strip)	sqft	₹ 1,314.00	36	₹ 47,304.00
15	8.11.3	Supply and installation of regular / standard A.C. ceiling fan of 1400mm sweep including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FR PVC insulated copper conductor etc as required	Each	₹ 1,758.00	40	₹ 70,320.00
16	8.11.4	supplying and installation of 300mm 230 volt ac exhaust fan in the existing opening including making good the damage connection testing commissioning etc as required .	Each	₹ 1,483.00	10	₹ 14,830.00
GRAND TOTAL AMOUNT (Thirty Six Lakh Ninety Three Thousand Two Hundred Six) Only						₹ 36,93,206.00


 27.2.19
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N.I.T. SPECIAL CONDITIONS

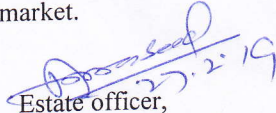
1. Rates quoted should be inclusive of all taxes, royalties carriage and all other incidental charges what so ever.
2. The contractor shall not stipulate any additional conditions in their tender for increase of rates due to increase in rate of taxation. Rly. Freight and etc.
3. The rates should be written in figures as well as in words in such a way that interpolation is not possible and total amount of each item should be written both in figures and words and total amount of each page will also indicate both in figures and words.
4. Taxes, Rly. Freight and incidental charges on materials and labour in respect of the contractor shall be payable by the contractor and University shall not entertain any claim whatsoever in this respect.
5. Tender specifying certain percentage above or below the tender amount and other conditions in connection with the tender will not be given any consideration. Only tenders put in the prescribed form will be considered. Tenders containing percentage above or below the total tendered amount or estimated amount will be summarily rejected.
6. The tenderers should acquaint themselves with the work and working conditions of the site locality and no claim will be entertained on this issue.
7. Site of execution of the work will be available as soon as work is awarded. In case, it is not possible for the department to take the entire site available on the award of the work, the contractor will have to arrange his working programme accordingly.
8. The contractor's responsibility for the construction shall commence from the date of issue of work order
9. The contractor shall study the specification, drawings and design carefully before submitting the tender
10. The work will be executed according to the approved and sanctioned design and drawing from time to time which will be binding on the contractor. No claim for the changes or modification in drawing and design will be tenable.
11. The contractor will be issued departmental materials as per actual requirement in stock length and size available with the department. Material is taken by the contractor in excess of the calculated requirement will be charged to panel rates which will be double the issue rates of the materials.
12. Contractor shall have to keep in upto date account of materials at site and his stores shall be inspected and stock taking will be done as and when required by the supervising staff of the department. The contractor should arrange for such inspection and free access should be given to the Supervising staff for such check up.
13. Quantities mentioned in the bill of quantity are approximate and the same may increase or decrease. Nothing extra bill be paid for such increase or decrease in quantity of various item of works.
14. No claim shall be entertained on the grounds of fluctuation of rate in labour and materials etc. in the market during the period of filling the tender and completion of work.
15. The contractor shall arrange for necessary site accommodation and other facilities for the labour and no claim for medical aid to labour or any other incidental charges shall be entertained.
16. No claim for idle labour due to non-supply or delayed supply of materials machinery, design etc. by the department will be entertained.
17. The contractor shall strictly follow the conditions laid down in the minimum wages act. He shall also comply with the labour laws as may be current and furnish information as required from time to time.
18. All materials brought to site by the motor vehicle, other than vehicles belonging to the contractor for this work, should be by public carrier vehicles. The carriage of such materials by Private carrier would be illegal and contractor will accordingly be responsible for employing private carrier instead of public carrier.
19. The motor vehicles rules should be followed by the contractor will also be responsible for infringement of traffic rules accident, damages to roads and culverts etc. No responsibility for all or any of the above things will rest with department.
20. The work shall be done according to the University specification. In respect of such items of work which is not covered by the University specification the specification laid down by the Superintending Engineer, South Bihar Circle shall be allowed which will be final and conclusive.
21. All R.C.C. as well as plain cement concrete work shall be machine mixed and vibrated properly and submerged with 2" constant head of water over horizontally laid concrete component and constant spray curing on verticals concrete complete as directed by Engineer In-charge.
22. Lime concrete intended for terrace work over R.C.C. slab roof shall also machine mixed.
23. All shuttering and centring materials shall be arranged and procured by the contractor at his own cost and shall consist of rigid and sound work and steel works not to deform or disturb as a sequel to the working of vibrator. A scaffolding materials shall also be procured and arranged by the contractor at his cost. In case of centring and shuttering of R.C.C. column only steel plates of requisite thickness shall be used in centring and shuttering and not the wooden planks, so as to give smooth surface.
24. No claim shall be entertained for cleaning and scraping rusts and normal elements from steel issued by the department.
25. All R.C.C. works shall be designed as per latest I.S. code of practice.
26. If during execution of work, any item which is provided in the bill of quantities, is not required to be executed due to change of specification etc. the contractor will have no claim whatsoever if that item is not done through them.



27. The contractor shall get the samples of bricks, sand stone chips etc. approved by the Estate Officer before undertaking mass collection of the same. Sample of the approved quality of materials shall be kept in the custody for comparison later on when the contractor's supply is made during progress of the work.
28. For overall structural works except plastering clean and coarse sone sand shall be used. For plastering, clean and medium sone sand shall be used and should be screened to 256 mesh in one square inch before used in work.
29. Flat iron, for making grills for window, hand rails for stair case etc. shall be procured by the tenderer himself.
30. All points of welding in grills etc. must be clean smooth and strong. The samples of grill shall be got approved by the Estate Officer before taking up mass manufacture.
31. After completion of work the building floor shall be thoroughly washed and cleaned. The ugly marks on glass panes shutters etc. shall be removed and damages made good. The works of paint cement etc. shall be removed and cleaned nicely at the contractor's cost.
32. The contractor shall removed all his surplus materials rubbish etc. and leave the site clean and tidy after levelling and dressing the premises of the works as directed by the Engineer In-charge and then the work shall be considered as complete.
33. The site should be cleaned of all rubbishes, levelled and dressing as directed by the Engineer In-charge and shall prepare for layout works. Engineer weeds stumps of trees if any shall be removed by the contractor at his cost before layout is taken up as directed by the Engineer I/C. The cost of masonry pages stradingsa labours and etc. are incidental expenditures in layout of the work and shall not constitute a claim for the some.
34. The arrangements and the cost of all the store shed, labour shed vate, tools scaffolding water supply arrangement electric supply and building accessories shall be borne by the contractor at his cost and noting will rest with the depart. The contractor shall also provide all facilities and medical aid to the labours employed, at his cost.
35. Concrete mixer/vibrator (subject to their availability with the department at the time otherwise the contractor will mark his own arrangements thereof) will be issued on the following terms and conditions.
 - a. Concrete mixer rent ₹ 9/-(Nine only) per day or part thereof for the number of days it works with the contractor.
 - b. Vibrator rent ₹ 5.50(Rupees five and paise fifty) only per day or part thereof for the number of days it remains with the contractor including idle days i.e. from the date of issue to the date of return to the Bihar Animal Sciences University, Patna Godown by the contractor.
36. Cost of running and cleaning the plants and machineries and other incidental charges in carriages from Bihar Animal Sciences University, Patna Godown to the site of the work and their return to Bihar Animal Sciences University, Patna Godown from site of work shall born by the contractor at his own cost.
 - a. Pay and allowance of the driver and khalasi @ 15/- per day working on the machineries will be borne by the contractor for the period machine remains with the contractor and necessary recovery will be made from the contractors bill.
 - b. Cost of materials such as lubricants, oil, greases, petrol, diesel, jute, etc. required during the work for the mixer. vibration and other departmental machineries if issued from Bihar Animal Sciences University, Patna stock will be recovered from the contractor at the rate fixed by the Engineer I/C and shall be binding on the contractor.
37. The contractor is liable to pay security deposit for concrete mixer, vibrator and other department, Machineries issued to him at the rate fixed by the Estate Officer, BASU, Patna. The amount is refundable as soon as the machinery is returned in the Bihar Animal Sciences University, Patna Godown in good and running condition after full completion of the job.
38. The contractor shall be responsible for apperup keep of the machinery under his charge and shall return the same to BASU Godown in good and sound condition. In event of loss or damage to any part, the valuable of the same is assessed by the Engineer In-charge shall be recovered by the contractor.
39. The power roller may be supplied free of cost but all cost of running and cleaning will be met by the contractor and the pay and allowances of the driver and khalasi will be recovered from the contractor @ ₹ 15/-(₹ Fifteen only) per day. A penalty of ₹ 30/-(₹ Thirty) only per day will be imposed on the contractor for keeping the roller idle.
40. any approach road necessary for carriage of building materials to site of work, will have to be constructed by the contractor at his own cost and no claim for the same will be entertained by the department.
41. The contractor shall keep at site such implements to cost the soundness of material etc. at site. Moulds for making concrete cubes, steel comes for slump test etc. shall be kept at site and the cost of making them shall be borne by the contractor and no claim for the same will be tenable. He shall also provide and mark all arraignment at his cost for collecting, preparing and forwarding required number of samples for test and analysis at such time and such places or places as directed by the Engineer I/C and full payment of R.C.C. work shall be made only on satisfactory test result.
42. The department will not hold itself responsible if the work has be stopped at any stage of progress due to reasons beyond the control of the department and no claim will be entertained for the same.
43. The Government materials issued to the contractor for the work shall be properly looked after and guarded against theft, pilferage and losses due to fire etc. and for such any loss, the responsibility shall entirely rest with the contractor.
44. The contractor shall compy sufficient number of skilled and experienced labours to the job in order to achieve proportionate time given for the work during, execution of work, if his any mason or labour is found avoiding instructions to follow, shall be turn out at once from the work site.
45. Good and approved quality of lime should be used and samples may be got approved before use in works.



46. In all R.C.C. and R.C.C. works, pakur or Manpur stone chips and some sand of specified size grade and quality confirming to the Indian standard specification no. 456-964 shall be used. The bricks to be used in all brick works shall confirm requirement of relevant I.S. Code.
47. In case of T.L. Inverted or Rectangular beams, only the rib portion projecting or below the slab shall be insured for payment purpose.
48. The jamb and soffit of the door and windows openings should be smooth, true to plumb and suitable spaces will have to be left for receiving W.I. clamps as per direction of Engineer In- Charge for which no claim shall be entertained.
49. Procurement of water in all seasons with all leads and lift will rest with the contractor at his cost.
50. The N.I.T. special conditions and other condition attached with the bill quantity will form intergral part of the contract document and should be dully signed by the tendered on each page as taken of acceptance while submitting the tender for the work.
51. The contractor will be responsible for accident etc. if any during execution of work and nothing will rest with the department.
52. Suitable recess for fixing claps for doors and window, Jali work and railings whenever required, shall have to be provided by the contractor in brick walls, R.C.C. columns and R.C.C. roof as per direction of Engineer I/C without any cost.
53. The Engineer in-charge will have full powers to inquire the removal, from the premises of the site, of all materials which in his opening are not in accordance with, specification and in case of default the Engineer. I/C is at liberty to sell such inferior material at the contractor's cost and risks.
54. For purpose of payment of brick works; 19 on thick walls done with new size of bricks as per latest I.S.I specification shall be measured as 8"(Eighth inchs) thick.
55. The teak wood and salwood shall be well seasoned and free from dead knots and other timber defects for the manufacture of frames and shutters and should be got approved before use in the works.
56. Fittings and fixtures for doors and windows etc, shall be got approved by the Estate Officer well in advance before use in work. The approved fittings and fising fixtures shall be mounted on a wooden board and always kept at site of work open or inspection and one such mounted board will be deposited in the office of the Estate Officer at the contractors cost.
57. Where not otherwise specified 1/8" thick plain glass panes weighting 2400 per fit (now 7.5 Kg per sqm only) shall be used in all glazed shutter
58. The contractor shall offer all facilities to the departmental officers for supervision, taking measurements, checking of bills etc. and any damage so occurred in the process will be made good by the contractor at his own cost.
59. Where joints in reinforcements in all R.C.C. works can not be avoided due to required length of steel bars, whether mild or for steel, they will be formed by over lapping to a length of 45 times the diameter and tied with 16.5 annaled soft iron wire.
60. During casting R.C.C. foundation, the foundation trenches shall be kept free from water and if necessary the water shall be pumped out for which no extra payment to contractor shall be paid.
61. In on account bills of the contractors, the maximum rate of any item of work for payment not included in the agreement, will be the BASU, Patna Schedule rates of work fixed time to time. In case BASU not having their own schedule of rates, the schedule rate of work of S.B./C., P.W.D. may be followed.
62. Om case any item of work not covered by Bihar Animal Sciences University, Patna or P.W.D. / B.C.D schedule of rates may be paid as per actual analysis of rates obtained from the local market.


Estate officer,

Bihar Animal Sciences University, Patna

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