

Chanakya National Law University

Nyaya Nagar, Mithapur, Patna-800001, Tel. No. +91-612-2352300, Fax No. : +91 -612-2352315

Website: <https://www.cnlu.ac.in>, E-mail: registrar@cnlu.ac.in

NIQ No.-64/2024-25

Date: 25.03.2025

SHORT E-TENDER NOTICE

Through e-procurement mode only https://eproc2.bihar.gov.in	
Chanakya National Law University invites E-Tender in two bid system (Technical and Financial) for Execution of Electrical work for Landscaping & Green Development of Open Area and Converting Registrar Chamber, Registrar Cell and Visitors Room into Conference Hall under University Campus.	
1.	Name of the Work : Execution of Electrical work for Landscaping & Green Development of Open Area and Converting Registrar Chamber, Registrar Cell and Visitors Room into Conference Hall under University Campus.
2.	Cost of Document (Non-Refundable) : Rs. 10,000/- (Rs. Ten Thousand) only
3.	Earnest Money Deposit : Rs. 1,27,000/- (Rs. One Lakh Twenty-Seven) only
4.	E-Tender Processing Fee : As per Eproc2 website
5.	Time of Completion : 90 Days.
6.	Bid Start Date : From 25.03.2025.
7.	Date of Pre-bid meeting : 01.04.2025 (Offline) at the Chamber of Registrar, CNLU, Patna at 02:00 p.m. to 03:00 pm.
8.	Last Date & Time for Uploading of Bids : Upto 08.04.2025. till 02:00 pm.
9.	Date & Time of Opening of Technical Bids : 08.04.2025 at 02:30 pm.
10.	Date & Time of Opening of Financial Bids : Will be intimated later
11.	Place of Opening of Bid : Registrar's Chamber
12.	Periods of Bids Validity : 120 days
13.	Officer inviting Bids : The Registrar, CNLU, Patna.
14.	For participation in E-tendering proc. The contractor shall have to get themselves registered to get User ID, Password & Digital Signature. This will enable accessing the website https://eproc2.bihar.gov.in & download / Participate in E-Tender.
15.	The tender document can be obtained through our website https://eproc2.bihar.gov.in & https://www.cnlu.ac.in
16.	(i) Bid Processing Fee to be paid through online mode i.e., Internet payment gateway (Credit/Debit Card), Net Banking, NEFT/ RTGS. (ii) Bids along with necessary online payments must be submitted through e-procurement portal https://eproc2.bihar.gov.in before the date & time specified in the NIT. (iii) The department does not take any responsibilities for the delay /Non availability of internet connection, Network Traffic / Holidays or any other reasons.”
17.	Bid Document cost should be paid as per https://eproc2.bihar.gov.in
18.	Earnest Money Deposit (EMD) shall have to be paid through e-payment.
19.	The authority shall have to right to reject the bid without assigning any reason what so ever. For any information department Contact No. 0612-2352300 may be used.
20.	For queries and clarifications, if any send e-mail to registrar@cnlu.ac.in
21.	For support related to the e-tendering process, bidders may contact “e-procurement HELP DESK, junction services limited RJ Complex, 2 nd Floor, Canara Bank Campus, Khajpura, Ashiana Road, P.S. –Shastri Nagar, Patna-800014, Bihar, Contact No. 18005726571.

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1. Scope of work:

i) The scope of work will be as per the work description mentioned in Annexure-II.

2. Eligibility Criteria: Bidder having the below mentioned documents shall be eligible for participating in this tender. The list of documents are as mentioned below:

- i) Duly signed & stamped scan of document in which Name of the Firm, Address with contact number, FAX, E-mail of the Firm and Firm's Bank Account Details with Bank Name & Address and IFSC / RTGS codes mentioned.
- ii) Scan of updated valid registration certificates of Class-II & III with works department of State Government for the above works. Bidders are registered under Central Government / authorized agency may participate in this bid but they will have to get themselves registered with work department of State Government after issue of letter of acceptance and before agreement.
- iii) Scan of PAN card (in name of Proprietor in case of Proprietorship Firm) & GST certificate
- iv) Scan of Affidavit as per Annexure-I
- v) Scan of valid Character certificate of bidder issued from the office of the Superintendent of Police.
- vi) Scan of Electrical contractor license works issued by Govt of Bihar.
- vii) Scan of Electrical wire man license.
- viii) Scan of the receipt of deposit through NEFT / RTGS for EMD.
- ix) Scan of the receipt of deposit through NEFT / RTGS for Cost of Document.
- x) Scan of Experience Certificate for Execution of Electrical work of Landscaping & Green Development of at least 4500 Sqm. (Which should be issued by an officer of at least Executive Engineer rank of works department of State of Bihar or equivalent).
- xi) Scan of Single work (Electrical) order/ agreement of similar work not less than the amount equal to Rs. 30,00,000/- (Rupees Thirty Lakhs) during the last three financial years (from 2021-2022 to 2023-24) with Scan copy of satisfactory work completion certificate issued by Central or State Government or National Level Organization. Scan of Audited balance sheet and Profit & Loss Account for the financial years 2021-22, 2022-23 and 2023-24.
- xii) Scan copy of Income Tax Return of last three financial years i.e., 2021-22 to 2023-24.

3. Terms and Conditions:

- i) Tender documents shall not be acceptable through post, courier or any offline mode. Interested bidders are advised to submit the bid only through our e-Tendering portal.
- ii) Scanned documents as mentioned in Eligibility criteria is mandatory. Bidder should upload all the scan of genuine documents otherwise their technical bid shall be declared non-responsive.
- iii) Original document of Affidavit as per Annexure-I should be submitted by bidder during opening of Technical Bid.
- iv) Bidder or their authorised representative should remain present during the Pre-Bid meeting and at the time of opening of Technical Bid and bidders whose technical quotation is declared responsive should remain present at the time of opening of Financial

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Bid. No complaint shall be entertained on this count, if the tenderers are not present on these dates and at the time.

- v) The price will be remain firm and fixed during the pendency of contract. It will not vary on any account including revision of taxes, imposition of new tax or any contingency whatsoever.
- vi) **EMD Cost: Rs. 1,27,000/- (Rs. One lakh Twenty-Seven Thousand) only** and should be submitted through e-payment mode. Scan of the receipt of depository should be uploaded on our e-tendering portal while submitting the bid.
- vii) **Cost of tender: Rs. 10,000/- (Rs. Ten Thousand) only** and should be submitted through e-payment mode. The scan of the receipt of depository should be uploaded on our e-tendering portal while submitting the bid.
- viii) Tender processing fee: As per Eproc2 website.
- ix) Incomplete bid and bid without genuine documents are liable for rejection. No responsibility will be taken for any type of technical glitch while online submission of bid.
- x) Notwithstanding anything to the contrary in this document, Chanakya National Law University is not bound to accept the lowest bid and reserves the right to accept or reject any bid, to reject bids for some or all items and to cancel the bidding process at any time prior to the award of contract, without assigning any reason whatsoever.
- xi) University will not provide any residential facility to workers / authorities of successful bidder inside campus. The firm will make temporary shade inside campus. Water and electrical facility for such shade will be chargeable.
- xii) The work is required to be completed within the period mentioned against the work, i.e. **90 days from date of issuance of work order**. It will be reckoned from the date of the issue of work order after agreement. If the work is not completed within the stipulated completion period liquidated damages @ 0.5% of agreement value per day of delay will be levied (subject to maximum of 10%). If the liquidated damages reach the level of 10% the agreement value the contract is liable to be rescinded.
- xiii) Work shall be done strictly as per specification and direction of competent authority of CNLU, Patna.
- xiv) Any Suggestions/Clarifications may be put forth in the pre bid meeting or through written letter / e- mail to registrar@cnlu.ac.in up to 31.03.2025 till 05:00 pm
- xv) Dispute, if any, will be subject to Patna Jurisdiction only. The decision of Vice-Chancellor, CNLU will be final and binding with both the parties viz: bidder and the University.
- xvi) Price should be quoted in Indian Rupees only. The price will remain firm and fixed during the pendency of Contract and will not be changed for any reason (including revision of taxes & levies whatsoever).
- xvii) All labour laws & regulations are to be followed by the bidder.
- xviii) The bidder shall be bound to follow the restriction on the movement of labour, materials imposed by any other authority connected with the site due to security or any other

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reasons connected with the event. No claim shall be entertained on this account.

- xix) The bidder shall take all precautions to avoid accidents by exhibiting necessary cautions boards, lights, flags etc. and ensure that no hindrance is caused to the traffic. Bidder shall be responsible for all damages, accidents, caused due to negligence.
- xx) The contractor shall arrange all tools and plants necessary for the execution of the work at his own cost. Any loss or damage in this case will be to his account.
- xxi) The lowest responsive bidder will be considered on the total amount of bids of the respective work.
- xxii) The contractor under these contracts commits himself to using first-class material and assumes full responsibility for the quality of all materials incorporated or brought for incorporation in the work. The work shall be executed in accordance with the best engineering practice and as per the direction of the competent authority of CNLU.
- xxiii) All the excavated materials including debris, loose earth etc., shall be carted away and disposed of as directed by competent authority of CNLU.
- xxiv) Technical officers/Staff deployed by the Contractor / Firm at CNLU any construction site will also be responsible for inferior quality/Poor performance of any work and their names will be circulated to all works departments to debar them from any other site.
- xxv) All the risks of loss of or damage to physical property and of personal injury and death which arise during and in consequence of the performance of the contract other than the expected risks will be the responsibility of the contractor/ firm.
- xxvi) Any deviation in the material and the specifications from the accepted terms may be liable to be rejected. The bidders need to supply all the goods in the specified form to the satisfaction / specifications specified in the order / contract and demonstrate at their own cost.
- xxvii) Chanakya National Law University reserves the right to withdraw / cancel / amend the quotation at any stage without assigning any reason whatsoever.
- xxviii) **The agency will not have the right to claim compensation in case of any kind of delay made in execution of assigned work**

4. Amendment of Bid Document:

- i) At any time prior to the last three days for receipt of bids, the Chanakya National Law University, Patna may for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the Bid Document by an amendment.
- ii) The amendment will be notified through the official website of Chanakya National Law University for all the prospective Bidders.
- iii) In order to afford prospective bidder reasonable time in which to take the amendment into account in preparing and submitting their bids online, the University may, at its discretion, extend the last date for the receipt of the bid.

5. Payment Terms:

Payment will be released after the satisfactory report of competent authority for successful completion of work after necessary deduction as mentioned hereunder:

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- i) **Applicable TDS** will be deducted from the bill of total amount without tax as per the provision of Government of India and certificate for the same will be issue,
- ii) **Applicable amount** will be deducted from total GST.

6. **Agreement and Performance Security:**

- i) A successful bidder will be issued a letter of acceptance. After receiving receipt successful bidder shall enter into the agreement on PWD Form F2 failing which on **Rs. 1,000.00 (Rupees One Thousand) non judicial stamp paper** within (10) **ten working days** from the **date of issue of work order**.
- ii) EMD @ 2% shall be adjusted in amount of security deposit. Successful bidder will deposit amount of security deposit @ 3% of agreement value as applicable in form of only **DD in favour of Registrar, Chanakya National Law University, Patna** at the time of agreement.

Thus balance 5% of security deposit will be deducted from on account running bills. The Security deposit will be refundable after **60 days of successful completion of defect liability period i.e., Two Years**. No interest will be payable on the earnest money as well as Security deposit.

7. **Mandatory Technical Specification:**

- **Work executed as per approved by CNLU Authority.**

**Registrar
CNLU, Patna**

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Annexure-I

I / we declare

Declaration by Quotationer on a non-judicial stamp paper of value Rs. 100/-

That my/our company namely

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has not been blacklisted by any Government / Non-Government Organization nor should have any litigation enquiry pending and / or initiated by any of these Department or Court of Law with regards to the works executed by our company since incorporation. No FIR has been lodged against us. that all the terms & conditions, scope of work & eligibility criteria of **NIQ No. 64/2024-25 dated 25.03.2025** are acceptable to me / us. That the documents annexed along-with the tender / quotation are genuine and not tampered by me / us while copying. If my / our declaration above found fake or forged, then:

- i. My quotation document shall be rejected.
- ii. Letter of Intent / Purchase Order / Agreement, if issued, shall be cancelled and
- iii. FIR shall be inflicted against my company / firm by the University and the firm / Bidder /Tenderer shall be blacklisted.

Signature of the Quotationer / Authorized Signatory (Name & Designation) Seal of the Quotationer

Place:

Date:

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Annexure-II

Detailed Bill of Quantity of Electrical works for Electrical, Trench & fountain works at Chanakya National Law University, Patna						
Part -A Schedule Item (Wiring Switches and Accessories)						
Sl. No	BSR-2023 (E&M)/N S	Particular of items	Unit	Qty.	Rate	Amount
					(In Rs.)	(In Rs.)
		Wiring Switches and Accessories				
1	1.7	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.				
1.1	1.7.1	2x1.5 sq.mm +1x1.5 sq.mm earth wire	metre	107.18	201	21543.18
1.2	1.7.2	2x2.5 sq.mm +1x2.5sq.mm earth wire	metre	107.2	246	26371.2
1.3	1.7.3	2x4 sq.mm+ 1x4 sq.mm earth wire	metre	110	309	33990
1.4	1.7.11	2x10 sq.mm+ 1x6 sq.mm earth wire	metre	171.3	925	158452.5
2	1.15	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed PVC conduit as required.				
2.1	1.15.2	2x1.5sq.mm	meter	1500	66	99000
3	1.1	Wiring for light point / fan point / exhaust fan point/ call bell point with 1.5 sq.mm CU. FR PVC insulated copper conductor single core cable in surface /recessed PVC conduit, with modular switch, modular plate, suitable PVC Box and earthing the point with 1.5 sq.mm FR PVC insulated copper conductor single core cable etc as required.				
3.1	1.1.1	Group-A	each	18	756	13608
4	1.28	supplying and fixing following modular base and cover plate on existing modular metal boxes etc. as required				
4.1	1.28.1	1 or 2 module 75mmx 75mm)	each	3	105	315
4.2	1.28.2	3 Module (100mmx75mm)	each	2	125	250
4.3	1.28.4	6 Module (200mmx75mm)	each	5	158	790
4.4	1.28.5	8 Module (125mmx125mm)	each	3	189	567
4.5	1.28.6	12 Module (200mmx150mm)	each	2	254	508
5	1.24	Supplying and fixing following modular switch/ socket on the exiting modular plate & switch box including connections but excluding modular plate etc. As require.				
5.1	1.24.1	5/6 amps switch	each	24	82	1968
5.2	1.24.3	16/20 A Switch	each	4	139	556
5.3	1.24.4	3 pin 10 amp socket outlet	each	6	112	672
5.4	1.24.5	6 pin 16/20 A socket outlet	each	4	183	732
5.5	1.23.6	Telephone socket outlet	each	1	89	89
5.6	1.23.7	TV antenna socket outlet	each	1	74	74

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6	1.25	Supplying and fixing two modular stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc.as required.	each	3	358	1074
7	1.26	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	each	10	34	340
8	1.27	Supplying and fixing following size /modules, G.I box along with modular base &cover plate for modular switches in recess etc. As required.				
8.1	1.27.1	1 or 2 module 75mm x 75mm)	each	3	234	702
8.2	1.27.2	3 Module (100mmx75mm)	each	2	266	532
8.3	1.27.4	6 Module (200mmx75mm)	each	5	345	1725
8.4	1.27.5	8 Module (125mmx125mm)	each	3	402	1206
8.5	1.27.6	12 Module (200mmx150mm)	each	2	501	1002
9	1.32	supplying and fixing suitable size G.I/PVC Box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. As required	each	64	531	33984
10	1.33	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box /wooden block including connections etc. As required.	each	2	64	128
11	1.34	Supplying and fixing brass battle/ angle holder including connection etc. As required.	each	5	80	400
12	1.35	Installation, testing, Commissioning of wall bracket / ceiling fitting of all sizes and shapes containing up to two GLS/CFL/LED lampper fitting , complete with all accessories including connections etc as required.	each	15	72	1080
13	1.41	Installation, testing and commissioning of pre-wired, fluorescent fitting/ compact florescent fitting of all types, completes with all accessories and tube/lamp etc. Directly on ceiling /wall, including connections with 1.5 q.mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	each	5	134	670
14	1.49	Numbering of ceiling fan/ Exhaust fan/ florescent fitting as required.	each	4	38	152
15	1.5	Installation of exhaust fan in the exiting opening, including make good the damage, connection, testing, commissioning etc.as required.	each	2	296	592
16	2.9	Supplying and fixing following way, Horizontal type three pole 7 neutral, sheet steel, MCB distribution board, 415V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, power painted including earthing etc. as required. (but without MCB/RCCB/Isolator)				
16.1	2.9.1	4 way (4+12), Double door Horizontal type	each	1	4184	4184
17	2.1	Supplying and fixing 5 to 32 A rating, 240/415V, 10 KA, "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 require				

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17.1	2.12.1	Single pole (6 A to 32A)	each	6	237	1422
17.2	2.12.2	32 A TPN	each	1	1282	1282
18	8.17	supply and fixing of following sweep/sizes metallic blades, heavy duty, single phase, 230 V A.C Exhaust fan in existing opening including making good the damage, connection, testing and commissioning etc as required.				
18.1	8.17.1	300 mm sweep	each	2	2572	5144
19	6.1	Supplying and fixing of following types of lamp in the existing electrical fitting/ fixtures etc. as required.				
19.1	6.1.4	9/10-watt LED Lamp	each	16	161	2576
20	5.1	Supplying and fix 4x18 watt LED batten with minimum effective 100 IM/w in polycarbonate housing and completes with integrated electronic driver etc directly on wall/ ceiling including connection with 1.5 sq.mm FRLS PVC insulated copper conductor etc. as required.	each	6	521	3126
21	8.16	Supplying and fitting and fixing of 1400 mm sweep with service value (CM/MM) minimum 4.10, Air delivery minimum 245 cum/min including wiring the down rods of standard length (up to 30 cm) with 1.5 sq.mm FRLS PVC insulated copper conductor etc as required	each	2	2838	5676
22	7.7.11	Supply of following sizes and core PVC/XLPE insulated, PVC sheathed (heavy duty) armoured electrical power cable with aluminium conductor for working voltage up to 1.1 KV as required 95 sq. mm, 3.5 core	Mtr	350	950	332500
23	7.7	Supplying of following sizes and core PVC/XLPE insulated, PVC sheathed (heavy duty) armoured electrical power cable with aluminium conductor for working voltage up to 1.1 KV as required.				
23.1	7.7.1	6 sq.mm, 2 core	Mtr	500	159	79500
23.2	7.7.3	10 sq.mm, 2 core	Mtr	500	201	100500
24	2.1	Providing and fixing following capacity double pole/ TP&N sheet metal switch disconnecter fuse unit in the existing metal panel board with rewirable type fuses including drilling holes in metal panel, making connections etc. as required.				
24.1	2.1.1	16 Amp, double pole	each	5	978	4890
24.2	2.1.2	32 Amp, double pole	each	6	1946	11676
25	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.				
25.1	7.1.1	up to 35 sq.mm	meter	300	315	94500
26	9.7	Providing and laying in position cement concrete 1: 2: 4 (1: cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) in foundation of pump, DG set etc including form work etc. as required.	CUM	8	8370	66960
Main Panel						
27	8.10	Supply and fixing of fabricated Electrical control panel of cubical construction, floor/wall mounted type, fabricated out of 16 SWG CRCA sheet, compartmentalised with	Sq. ft	40	1809	72360.00

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		hinged doors, dust and vermin proof, powder coated painting of approved shade after 7 tank treatment process, cable alley, internal wiring, earth terminals, Bus bar Chamber, insulator and complete in all respect etc and panel manufactures must be approved by CPRI. (But without RYB indicator, ammeter, voltmeter, inter-connection copper conductor cable/solid copper strip, switchgears etc.)				
Incomer						
	2.4	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections etc. as required'				
	2.4.3	160 A, 36 KA, FPMCCB	Each	02	13698	27396.00
Outgoing						
	2.12.4	6 A to 32 A, TP&N	Each	24	1282	30768.00
Miscellaneous						
	1830	50 mm X 5 mm copper strip (2.30 Kg/mtr)	Kg	10	722	7220.00
	8.13	Supply and fixing panel mounted digital multimeter (Voltmeter & ammeter) including CT coil and RYB pilot indicator in the existing cubical panel board including drilling holes in the panel board making connections etc as required.	Each	02	6536	13072.00
Earthing						
	3.4	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering watering pipe 2.7 metre long etc. with charcoal/ coke and salt as required.	Each	02	6884	13768.00
	3.11	Supplying and laying 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode, including connection with G.I. nut, bolt, spring, washer excavation and refilling etc. as required.	Meter	12	721	8652.00
	A	Total cost of Electrical Work Part -A Schedule Item				12,89,769.00
Part -B (Non-Schedule Item Decorative Light)						
	27	NS	Post Top Lantern 3 metre. Pole made out of cast iron base with decorative ring in between casted in aluminium. Pole has a service window at the bottom. Pole is dully primer coated & polyester/polyurethane painted. Make: Havells/Philips/ Crompton	Each	37	
	28	NS	LED Post Top Luminaries - 40-watt Urban Ornamental Led Post Top Luminaire made of aluminium housing duly powder coated/PU painted with PC/PMMA Clear/Frosted diffuser. High Lumen LEDs are directly mounted on aluminium heat sinks. Make: Havells/Philips/ Crompton.	Each	37	

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29	NS	Bollard 9W, Make: Havells/Philips/ Twinkle/Astar/wipro/jaguar or equivalent	Each	209		
30	NS	Tree Up light, 6-watt LED COB pressure die cast fixture, Toughned glass, driver in built ready to install, easy mounting with movable options. IP-66 fixture for outdoor use. Make: Havells/Philips/ Crompton	Each	132		
31	NS	Brick light 7W, Make: Havells/Philips/ Crompton	Each	176		
32	NS	30 W Down Lumina, 2x15watt up-down light made out of pressure die cast aluminium housing powder coated with weatherproof gasket ensuring IP-66 toughened glass. Make: Havells/Philips/ Crompton	Each	22		
33	NS	15 W LED Downlighter made out of pressure die cast aluminium housing powder coated with weatherproof gasket ensuring IP-66 toughened glass. Make: Havells/Philips/ Crompton	Each	102		
34	NS	50w LED flood light, Make: -Havells/Philips/ Crompton	Each	26		
Wall Fountain Components at VIP guest House & Staff qtrs.						
35	NS	Water shit (Standard Make)	each	6		
36	NS	RGB light 12v 18w (Make: -Havells/Philips/ Crompton)	each	8		
37	NS	RGB Controller (Standard Make)	each	2		
38	NS	3 & 4 Corr wires (Make: -Havells/KEI/ Anchor)	Job	2		
39	NS	Pre pipes elbow tee band ball wall (Standard Make)	Job	2		
40	NS	2hp Pump open well (Siemens/CRI/Crompton)	Job	2		
41	NS	Transport	Job	2		
42	NS	Installation	Job	2		
Ring Fountain Components near Auditorium						
43	NS	G I pipe 1.5 inch - (Standard Make)	Mtr	1000		
44	NS	RGB light 12v 18w (Make: -Havells/Philips/ Crompton)	each	5		
45	NS	RGB Controller (Standard Make)	each	1		
46	NS	3 & 4 Corr wires (Make: -Havells/Philips/ Crompton)	Job	1		
47	NS	Pre pipes elbow tee band ball wall (Standard Make)	Job	1		
48	NS	2ph Pump open well (Siemens/CRI/Crompton)	Job	1		
49	NS	Brass nozzle 1/4 crown (Standard Make)	each	140		
50	NS	Transport	Job	1		
51	NS	Installation	Job	1		
Total cost of Fountain parts and Decorative Light) Part -B (Non-Schedule Item)						
A+B	GRAND TOTAL OF ELECTRICAL WORK					

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Bill of Quantity of Civil Work for Converting Registrar's Chamber, Registrar's Cell, and Visitor's Room into Conference Hall of Chanakya National Law University, Patna

PART A ELECTRICAL SCHEDULE ITEM

Wiring Switches and Accessories

Sl. No.	BSR-2023 (E&M)/NS	Particular of items	Unit	Qty.	Rate	Amount
					(In Rs.)	(In Rs.)
1.2	1.7.2	2x2.5 sq.mm + 1x2.5sq.mm earth wire	metre	250	246	61500
1.3	1.7.3	2x4 sq.mm+ 1x4 sq.mm earth wire	metre	200	309	61800
1.4	1.7.12	4x10 sq.mm+ 1x6 sq.mm earth wire	metre	220	925	203500
2	1.1	Wiring for light point / fan point / exhaust fan point/ call bell point with 1.5 sq.mm CU. FR PVC insulated copper conductor single core cable in surface /recessed PVC conduit, with modular switch, modular plate, suitable PVC Box and earthing the point with 1.5 sq.mm FR PVC insulated copper conductor single core cable etc as required.				
2.1	1.1.3	Group-C	each	30	1120	33600
3	1.28	supplying and fixing following modular base and cover plate on existing modular metal boxes etc. as required				
3.1	1.28.1	1 or 2 module 75mmx 75mm)	each	10	105	1050
3.2	1.28.2	3 Module (100mmx75mm)	each	10	125	1250
3.3	1.28.4	6 Module (200mmx75mm)	each	5	158	790
3.4	1.28.5	8 Module (125mmx125mm)	each	10	189	1890
3.5	1.28.6	12 Module (200mmx150mm)	each	4	254	1016
4	1.24	Supplying and fixing following modular switch/ socket on the exiting modular plate & switch box including connections but excluding modular plate etc. As require.				
4.1	1.24.1	5/6 amps switch	each	30	82	2460
4.2	1.24.3	16/20 A Switch	each	16	139	2224
4.3	1.24.4	3 pin 10 amp socket outlet	each	24	112	2688
4.4	1.24.5	6 pin 16/20 A socket outlet	each	4	183	732
5	1.26	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	each	10	34	340
6	1.27	Supplying and fixing following size /modules, G.I box along with modular base &cover plate for modular switches in recess etc. As required.				
6.1	1.27.1	1 or 2 module 75mm x 75mm)	each	10	234	2340
6.2	1.27.2	3 Module (100mmx75mm)	each	10	266	2660
6.3	1.27.4	6 Module (200mmx75mm)	each	5	345	1725
6.4	1.27.5	8 Module (125mmx125mm)	each	10	402	4020
6.5	1.27.6	12 Module (200mmx150mm)	each	4	501	2004
7	1.32	supplying and fixing suitable size G.I/PVC Box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. As required	each	15	531	7965

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8	1.33	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box /wooden block including connections etc. As required.	each	20	64	1280
9	1.35	Installation, testing, Commissioning of wall bracket / ceiling fitting of all sizes and shapes containing up to two GLS/CFL/LED lamp fitting , complete with all accessories including connections etc as required.	each	12	72	864
10	1.41	Installation, testing and commissioning of pre-wired, fluorescent fitting/ compact florescent fitting of all types, completes with all accessories and tube/lamp etc. Directly on ceiling /wall, including connections with 1.5 q.mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	each	5	134	670
11	2.9	Supplying and fixing following way, Horizontal type three pole 7 neutral, sheet steel, MCB distribution board, 415V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, power painted including earthing etc. as required. (but without MCB/RCCB/Isolator)				
11.1	2.9.1	4 way (4+12), Double door Horizontal type	each	2	4184	8368
12	2.1	Supplying and fixing 5 to 32 A rating, 240/415V, 10 KA, "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 require				
12.1	2.12.1	Single pole (6 A to 32A)	each	24	237	5688
12.2	2.12.2	32 A TPN	each	2	1282	2564
13	6.1	Supplying and fixing of following types lamp in the existing electrical fitting/ fixtures etc. as required.				
14	5.9	Supplying and fixing recess mounted 36-watt LED flat panel (2'x2') with minimum efficiency 100 lm/w which provides soft light and glare free symmetrical illumination suitable for Armstrong/grid ceiling and integrated electronic driver etc directly on false ceiling including connections with 1.5 sq.mm FRLS PVC insulated copper conductor cable etc as required.	each	14	2663	37282
15	5.7	Supplying and fixing recess mounted following types of LED downlighter with minimum efficacy 100 l/w in pressure die-cast aluminium housing and integrated electronic driver etc directly on ceiling including connections with 1.5 sq-mm FRLS PVC insulated copper conductor cable etc as required.				
	5.7.1	9/10-watt LED Lamp	each	12	1125	13500
Total Cost of Electrical (BSR) Part - A						4,65,770.00

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PART B		NON-SCHEDULE ITEM			
LIGHT FIXTURE					
16	NS	Providing and fixing LED strip light for cove lighting of 28 watt per 5-meter length including replaceable electronic driver all-inclusive as per direction of the EIC	each	8	
17	NS	wall up down light	each	16	
SUPPLY & INSTALLATION OF VRF AIRCONDITIONING SYSTEM					
MACHINERY / EQUIPMENTS					
OUTDOOR UNIT					
18	NS	Supply of variable refrigerant flow (VRF) system, suitable to operate at -20° to 52°C ambient temperature comprising of the following and complete as per specifications:			
		Combination of Variable Temperature & Capacity Control, Variable Inverter compressors suitable for operation on R-410A, complete with high/low pressure cut-outs, oil pressure failure switch, fan motor, safety thermostat, overcurrent relay, fusible plugs, fuses etc. and suitable for operation on 380-440V, 3 phase, 50 Hz A.C. supply. Make – Hitachi/O General/ Mitsubishi			
		Matching air-cooled condenser with copper tubes and aluminium fins duly covered by anti-corrosion and hydrophilic resin film.			
		Oil separator suitable for the long refrigerant piping.			
		Lot - Accumulator, liquid and gas shut-off valves and solenoid valves/modulation valve with fittings to interconnect compressor, condenser and evaporator coils.			
18.1	NS	Heating & Cooling - 14HP (11.2TR) Outdoor Unit	Nos	1	
19		INDOOR UNIT			
		Supply of Concealed type Indoor Unit with fittings. Consisting of fan, four speed motor, coil Section with DX coil, outer cabinet, filter, insulated drain pan, including all accessories. Cable from indoor unit to socket and headers etc. which shall be supplied by the OEM of VRF system. complete as required. Make – Hitachi/O General/ Mitsubishi			
19.1	NS	4HP (3.2TR) Cassette Type Indoor Unit	Nos	4	
REMOTE CONTROLLER					
20.1	NS	Wireless Remote for Cassette Type Indoor Units	Nos	4	
20.2	NS	Receiver Kit for Cassette Type Indoor Units	Nos	4	
SUPPLY OF IMPORTED CONTROL SYSTEM & Y JOINTS					
20.1	NS	Y JOINT/Reflets for IDU	Nos	3	
INSTALLATION OF VRF AC					

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21		Installation, testing and commissioning of Variable Refrigerant Flow System				
		Installation, testing and commissioning of the above VRF outdoor units with R410A refrigerant, controls, electricals, necessary accessories of following capacities.				
21.1	NS	Heating & Cooling - 14HP (11.2TR) Outdoor Unit	Nos	1		
22		Installation, testing and commissioning of the above VRF indoor units with refrigerant, controls, electricals, necessary accessories etc of following capacities.				
22.1	NS	4HP (3.2TR) Cassette Type Indoor Unit	Nos	4		
23		REFRIGERANT PIPING:				
		Supply, Installation and testing of interconnect refrigerant copper piping with fitting duly insulated with 19/13 mm thick closed cell elastomeric nitrile rubber tubular insulation between each set of indoor & outdoor units as per specification. All copper tubes shall be supported with suitable clamping & support etc.				
23.1	NS	Suction and Liquid Line Copper Piping	Rmt	74		
24		DRAINPIPES OF INDOOR UNITS:				
		Supplying, laying, fixing, testing & commissioning of composite UPVC pipes Density not less than 10kg/m ³ complete with all necessary fittings such as elbows, tees, reducers U-trap, supports, clamps etc. as per specification & drawings				
24.1	NS	25 mm Dia	Rmt	65		
25		Transmission & Control Wiring				
		Providing & fixing of control cum trans-mission wiring of copper (communication cable) between indoor and outdoor unit in 25 mm PVC Conduit. AC Contractor shall include the cost of chiselling & finishing the wall / ceiling.				
25.1	NS	2C x 1.5 Sq mm (Unarmoured)	Rmt	95		
26		Supply and charging of Refrigerant R410A	KG	8		
27		Lifting & Sifting charge	Lots	1		
28		Nitrogen testing & vacuum work	Lots	1		
29		Installation, Testing and Commissioning of Refents / Y-Joint	Lots	3		
Total Cost of Electrical Work (Non-Scheduled) part-B						
Grand Total of Electrical Work (Schedule Item A+ Non-Scheduled B)						

Name of the Bidder:

Bidder Signature with Seal

Address of the Bidder

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