

# E-TENDER DOCUMENT

*for*

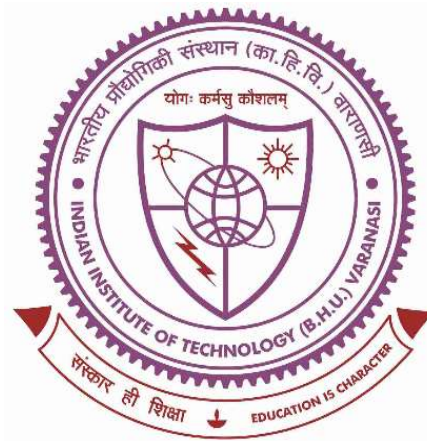
**Electrical installations, Illumination and wiring works in  
laboratory space of Control System Electrical Engineering  
IIT(BHU) Varanasi**

**Tender No.: IIT(BHU)/IWD/ET-10/2021-22/940 Dated 03.11.2021**

**Tender Publishing Date: 11.11.2021 (4:00 P.M.)**

**Last Date of Submission of bids: 02.12.2021 (4:00 P.M.)**

**Tender Opening date: 03.12.2021 (4:00 P.M.)**



**Indian Institute of Technology  
(Banaras Hindu University)  
Varanasi-221005**

**E-mail: [office.iwd@iitbhu.ac.in](mailto:office.iwd@iitbhu.ac.in)**

## **ABSTRACT OF COST**

**NAME OF WORK:-** Electrical installations, Illumination and wiring works in laboratory space of Control System Electrical Engineering IIT(BHU) Varanasi.

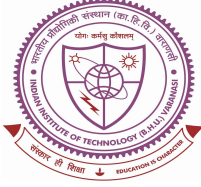
Sl. No.	Details of Sub-Head	Amount (in Rs.)
1	Electrical Works	4,60,677.00
	Say	4,60,677.00

This NIT containing pages 06 as per Index amounting to Rs. 4,60,677.00 is hereby approved.

Sd-  
Superintending Engineer (IWD)  
IIT (BHU) Varanasi

**CRITICAL DATA SHEET**

<b>Name of Organization</b>	<b>Indian Institute of Technology (BHU), Varanasi</b>
Tender Type (Open/Limited/EOI/Auction/Single)	Limited
Tender Category (Services/Goods/Works)	Works
Type/Form of Contract (Work/Supply/Auction/ Service/ Buy/ Empanelment/Sell)	Works
Product Category (Civil Works/Electrical Works/Fleet Management/ Computer Systems)	Electrical works
Date of Issue/Publishing Original Tender	11.11.2021 (4:00 P.M.)
Document Download Start Date	11.11.2021 (4:00 P.M.)
Document Download End Date	02.12.2021 (4:00 P.M.)
Last Date and Time for Uploading of Bids	02.12.2021 (4:00 P.M.)
Date and Time of Opening of Bids	03.12.2021 (4:00 P.M.)
Tender Fee	Rs. 500.00 + Rs. 90.00 (GST @ 18%) = Rs. <b>590.00</b> (To be paid through RTGS/NEFT) as per the following details: Name of Account - Registrar, IIT(BHU) Name of the Bank - State Bank of India Name of Branch - IT, BHU, Varanasi Account No. - 32778803937 IFSC Code - SBIN0011445 <b>(The proof of payment must be uploaded)</b>
EMD	Rs. <b>14,000.00</b> to be paid in the form of DD/FDR in the name of Registrar, IIT(BHU), Varanasi, payable at VARANASI. ( <b>Scanned copy of DD/FDR to be uploaded on portal</b> ) (Original to be submitted alongwith eligibility criteria documents)
No. of Covers (1/2/3/4)	02 (Cover 1 = Technical Evaluation & Cover 2 = Financial Evaluation)
Bid Validity days (180/120/90/60/30)	<b>180 days</b> (From last date of opening of tender)
Work Completion Period	<b>40 days</b>
Address for Communication	<b>The Superintending Engineer, Institute Works Department, IIT(BHU), Varanasi - 221005, U.P.</b>
Email Address	<a href="mailto:office.iwd@iitbhu.ac.in">office.iwd@iitbhu.ac.in</a> & <a href="mailto:aelectrical.iwd@itbhu.ac.in">aelectrical.iwd@itbhu.ac.in</a>



## Institute Works Department

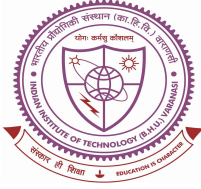
Ref. No.: IIT(BHU)/IWD/ET-10/2021-22/940

Dated: 03/11/2021

### QUOTATION NOTICE

1. Limited tender quotations are invited from eligible empaneled contractors of EWSS-BHU / UWD-BHU for **Electrical installations, Illumination and wiring works in laboratory space of Control System Electrical Engineering IIT(BHU) Varanasi** as per description below. The sealed envelope containing quotation shall be super scribed with the name of the work, tender enquiry ref. no. & date. The quotations will be received up to **02.12.2021 (4:00 P.M.)** in the office of the **Superintending Engineer, Institute Works Department, IIT(BHU), Varanasi.**

S.No	Detail of Items	Qty	Unit	Rate
1.0	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. <b>(Make: Polycab/ Finolex/ L&amp;T)</b>			
1.1	Group C	60	Points	
2.0	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required. <b>(Make: Polycab/ Finolex/ L&amp;T)</b>			
2.1	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	150	Mtrs	
2.2	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	130	Mtrs	
2.3	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	120	Mtrs	
2.4	4 X 6 sq. mm + 2 X 6 sq. mm earth wire	15	Mtrs	
2.5	4 X 10sq. mm + 2 X 6 sq. mm earth wire	30	Mtrs	
3.0	Supplying and fixing <b>12 way, Double door</b> , 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) <b>(Make: ABB / L&amp;T / Legrand)</b>	3	Nos	
4.0	Supplying and fixing 5 A to 32 A rating, 240/415 V, 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 required . <b>(Make: ABB / L&amp;T / Legrand)</b>			
4.1	Single Pole MCB	40	Nos	
5.0	DP MCB "C" curve 40/63 A	3	Nos	
6.0	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 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)			
6.1	8 way (4 + 24), Double door	2	Nos	
7.0	63 A "C" curve FP MCB	2	Nos	
8.0	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 2 Nos. 3 pin 5/6 A modular socket outlet and 2 Nos. 5/ 6 A modular switch, connections etc. as required. (For light plugs to be used in non residential buildings). <b>(Make: ABB / L&amp;T / Legrand)</b>	40	Nos	
9.0	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 A & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required. <b>(Make: ABB / L&amp;T / Legrand)</b>	20	Nos	
10.0	Supplying and fixing of 230VAC 1Ph. 300 mm,1400 rpm exhaust Fan with	3	Nos	

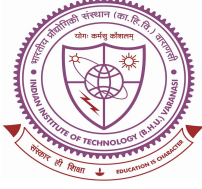


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	sweep feature. ( Make: Bajaj/Usha / ORIENT / CG/Bajaj)			
11.0	Supplying and fixing of 230VAC 1Ph. 1400mm dia Ceiling Fan (High Speed) . (Make: Usha / Crompton / Bajaj )	22	Nos	
12.0	Supplying and fixing of 230VAC 1Ph. Two module steeped type fan electronic regulator	22	Nos	
13.0	Supplying,Cutting of huck , painting and fixing of MS Down down conduit for installation of ceiling fan upto 5 to 8 feet	22	Nos	
14.0	Supplying and Fixing 20W LED batten ( Make: Philips/ Wipro / Polycab)	15	Nos	
15.0	Supply & Installation of 2X2 pure LED false ceiling Surface Light Make-Phillipse/Wipro/CG/Polycab	35	Nos	
16.0	Supplying and fixing of 230VAC 1Ph. Sweep-400mm ,rpm-2200,pwer-100w,Air delivery-100cmm Wall Fan (High Speed) . (Make: Usha / Crompton / Bajaj )	6	Nos	
17.0	Supplying & fixing suitable size GI box wih modular plate and cover in front on surface or in recess including providing and fixing 25 A modular socket outlet and 25 A modular SP MCB, "C" curve including connections, painting etc. as required	8	Nos	
18.0	Providing and fixing following capacity 100 Amp Conferming IEC60947-3,IS/IEC 60947-3 Standared ,TP&N disconnecter fuse switch unit with enclosure box including 3 no-100 Amp HRC Fuse inside the existing panel board with ISI marked HRC fuses including drilling holes in cubicle panel, making connections, etc. as required.	1	Nos	
19.0	Earthing with G.I. earth pipe 4.5 meter long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	1	Nos	
20.0	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	30	Mtrs	
<b>Total</b>				

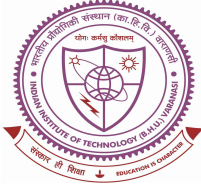
### NOTE:

- Work completion Period - 40 days
- Amount and quantity variation: Quantity may vary as per actual work execution/site requirement/end user suggested changes during execution but the final bill value shall not exceed more than 5% of order value.
- Due Date-1week and Commercial terms & condition as per standard
- Taxation included as per applicable rule of GST.
- Warranty period: Defect & Labilty period 1 year for all above works after handing over of user certificate.
- All electrical works shall comply to applicable IS electrical safety norms.
- Any loss of material/ manpower during the execution of works shall be responsibility of the contractor.
- For execution of above works all accessories shall be arranged by contractor at their end.
- Contractor must have valid Electrical Safety Certificate issued by The D.G.- Electrical Safety.
- Any other losses occurring during the execution of above work shall also be the responsibility of the contractor
- All works shall be executed by skilled electrician under the supervision of qualified supervisor.
- Quality of work must comply with CPWD norms.



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2. The bidders should submit self certified order copies of similar type of works executed during last three financial years along with self certified copies of satisfactory work completion certificates.
3. Those bidders who have already executed similar type of works in IWD, IIT(BHU) need not submit satisfactory work completion certificates. They should submit only the self certified copies of earlier work orders.
4. The amount of similar work order executed during preceding last three financial years should be at least:
  - (i) 1 order of 80% of estimated cost of this work.  
OR
  - (ii) 2 order of 60% of estimated cost of this work.  
OR
  - (iii) 3 order of 40% of estimated cost of this work.
5. (a) Intending bidder should have average annual financial turnover of at least at least 30% of the estimated cost of this works during preceding last three financial years. **Self certified photocopies of certificate from CA to be submitted with bid.**
  - (b) Should not have incurred any loss in more than three years during the preceding three financial years ending 31<sup>st</sup> March, 2021. **Self Certified photocopy of certificate from CA to be submitted alongwith last five years Profit & Loss Account to be submitted with bid.**
  - (c) Should have a solvency certificate of **40%** of the estimated cost issued by Bank during the last six months. **Certified copy of original solvency certificate to be submitted with bid.**
6. Any bid submitted without the above mentioned documents in support of criteria laid down from Sl. No. 2 to 5 above shall be treated as unresponsive and may not be considered for further evaluation by the tender opening committee.
7. The quotation forms complete in all aspects along with all required documents should be submitted in sealed envelope along with **tender fee of Rs. 590/-** in the form of demand draft drawn in favour of the Registrar, IIT (BHU), payable at Varanasi
8. The estimated cost of this work is **Rs. 4,60,677.00** inclusive of applicable GST. The **earnest money deposit of Rs. 14,000.00** shall be submitted in the form of FDR or DD in favour of the Registrar, IIT (BHU), payable at Varanasi. The **EMD** of successful bidder will



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be retained till the completion of work and shall be returned along with security deposit. The EMD of unsuccessful bidders shall be returned after the final award of work.

9. In case one or more eligible bidders are found lowest that is the L-1 prices are same then all L-1 bidders will be asked to resubmit their bids in sealed envelope with the objective to break the tie cases and determine a single L-1 bidder.

10. The works will be executed on Agreement/work order basis.

11. Institute reserves the right to reject any quotation or all quotation without prejudice, assigning any reason or giving any explanation.

12. If quotations are submitted without clearly writing the rates and total amount then quotation shall be rejected.

13. Quotation not stamped & signed by the contractor or his legally authorized agent will be considered invalid.

14. **Security deposit @ 5%** shall be deducted from each bill. The security deposit of 5% deducted from all the bills will be refunded after completion of the warranty period i.e. 12 months from the date of works completion. The date of issue of work completion certificate will be treated as the work completion date.

15. 1% water tax will be deducted from each bill if applicable.

16. Electricity charge will be deducted as per actual consumption, if requirement of electricity for execution of the work.

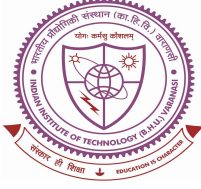
17. 2% Income Tax and other applicable taxes such as GST etc. shall be deducted as per applicable Govt. rules.

18. **Amount and quantity variation:** Quantity may vary as per actual work execution/site requirement/end user suggested changes during execution but the final bill value shall not exceed more than 5% of order value.

19. All the materials/equipments provided by the vendor will be checked by IWD before installation.

20. **Work completion period:** Within **40 days** from the date of issue of Letter of Award/Work order. Work completion certificate shall be issued by the IWD after obtaining a satisfactory work done report from the user. A period of 10 days will be added to the work completion period for completion of above procedure.

21. **Late work completion penalty:** If work is not completed within the given time, penalty will be deducted as per institute norms.



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22. Any damage caused to the building shall have to be made good by contractor at no extra cost & without any delay.
23. The bids submitted after the last date & time will not be considered for opening. The bids received within the last date & time will be opened on **03.12.2021 (4:00 P.M.)** in the Committee room of the Superintending Engineer, IWD, IIT (BHU), Varanasi.

### List of Documents to be scanned and uploaded under cover-1 on e-tendering website:

- i). Demand Draft of Tender Processing Fee and EMD from any Scheduled Bank in India payable to the **Registrar, IIT (BHU), Varanasi**.
- ii). Valid Electrical Safety Certificate issued by The D.G.- Electrical Safety.
- iii). Solvency certificate from bank and scanned copy of DD/FDR for EMD.
- iv). Certificates of Work Experience and work completion certificate during last 3 years ending 31<sup>st</sup> March, 2021.
- v). Any Other document as specified in Eligibility Criteria and/or in IWD, IIT(BHU) e-TENDER.
- vi). No loss certificate, turnover from CA, GST registration certificate, PAN card ESI, EPF etc.
- vii). Qualifications and experiences of key site management, technical personnel proposed for the contract.

### List of documents to be uploaded upto the last date & time mentioned above in cover-2 (Financial Bid):

- i). Duly filled in priced BoQ.
- ii). Duly signed and scanned copy of priced BoQ in PDF format.

(Kindly note that no physical submission of tender document is required and it is to be uploaded only on e-tendering (CPP Portal) website.

Sd-  
**Superintending Engineer**  
Institute Works Department, IIT(BHU)



# QUOTATION FORM

Ref. No.: IIT(BHU)/IWD/ET-10/2021-22/940

Dated: **03/11/2021**

**The Superintending Engineer,**  
Institute Works Department,  
Indian Institute of Technology (BHU)  
Varanasi-221005

**Subject: Quotation for**

.....  
.....  
.....  
.....

Dear Sir,

With reference to the Quotation invited by you for the captioned work. I/We do hereby offer to perform, provide, execute, complete and maintain work in conformity with the drawing, conditions of tender, articles of agreement conditions of contract, specification and quantities of the sum of Rs. \_\_\_\_\_  
(Rupees \_\_\_\_\_)  
\_\_\_\_\_ ) at the respective rates mentioned in the quotations.

My/Our quotation will remain open for acceptance for 12 months from the date of its opening.

I have submitting tender fee of **Rs. 590/-** vide DD No. \_\_\_\_\_ dated \_\_\_\_\_ drawn on \_\_\_\_\_ (Name of Bank).

I have submitted EMD of Rs. \_\_\_\_\_ Vide FDR/DD No. \_\_\_\_\_ dated \_\_\_\_\_ issued by \_\_\_\_\_ (Name of Bank)

I have enclosed self attached copy of PAN No. and GSTIN alongwith the bid.

My email id for all future correspondence regarding this bid including communication of work order is \_\_\_\_\_ and mobile no. is \_\_\_\_\_

**(Note: Any information left blank such as email id, mobile number, PAN & GSTIN etc. may lead to rejection of bid as non-responsive)**

Yours faithfully,

Date: \_\_\_\_\_

**(Signature of contractor with seal)**

