



**INDIAN INSTITUTE OF TECHNOLOGY DELHI  
HAUZ KHAS, NEW DELHI – 110016**

**NOTICE INVITING E-QUOTATION**

IITD/WORKS (SP-2517)/2019

Executive Engineer [Electrical], Indian Institute of Technology Delhi, Hauz Khas, New Delhi – 100016 [Phone No. 011-26591746] on behalf of Board of Governors invites online **Item Rate Quotation** from **Contractors registered with CPWD / MES / BSNL in appropriate class & category** for the following work:

1	Name of Work	:	<b>Providing &amp; Fixing Electrical Installation Work in Dining Hall of Faculty Guest House under renovation at IIT Delhi</b>
2	NIQ No.	:	<b>9637/49/IITD/EW/NIQ/2019-20</b>
3	Estimated cost	:	<b>Rs.7,50,034.00</b>
4	Earnest Money	:	<b>Rs.15,000.00 (exemption not allowed)</b>
5	Period of Work	:	<b>01 month</b>
6	Last date & time of bid submission	:	<b>23-09-2019 up to 3 PM</b>

The bid forms and other details may be downloaded from Central Public Procurement Portal <http://eprocure.gov.in/eprocure/app>. Aspiring Bidders who have not enrolled / registered in e-procurement should enroll / register before participating through the website <http://eprocure.gov.in/eprocure/app>. The portal enrolment is free of cost. Bidders are advised to go through instructions provided at 'Instructions for online Bid Submission'.

Bidders can access Quotation / quotation documents on the website (For searching in the NIC site, kindly go to Quotation Search option and type 'IIT'. Thereafter, Click on "GO" button to view all IIT Delhi Quotations). Select the appropriate Quotation / quotation and fill them with all relevant information and submit the completed Quotation / quotation document online on the website <http://eprocure.gov.in/eprocure/app> as per the schedule given in the next page.

**No manual bids will be accepted. All bids (both Technical and Financial should be submitted in the E-procurement portal).**

**Executive Engineer [E],  
For & on Behalf of BOG, IIT Delhi**

**Ch. Head: PLN12/01  
W03367**

C.....Nil

I..... Nil

O..... Nil

D'Man /J.E.

A.E.E / A.E.

E.E.



**Copy to: -**

1. Assistant Executive Engineer [E]
2. D.A. (Works Accounts) - for opening of quotations in the office of A.R. [SPS]
3. A.E.E. (E) Plg.
4. D.R. (A/Cs)
5. D.R. [SPS] with a request for uploading the NIQ in e-procurement portal
6. Notice Boards.
7. Office Copy
8. Web site Administrator, IITD

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C.....Nil

I..... Nil

O..... Nil

D'Man /J.E.

A.E.E / A.E.

E.E.



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Certified that this NIQ contains 1 to 21 pages.

NIT amounting to **Rs.7,50,034.00** is approved.

D/Man

AEE [E] Plg

**Executive Engineer [E]**

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C.....Nil

I..... Nil

O..... Nil

D'Man /J.E.

A.E.E / A.E.

E.E.

**SCHEDULE**

1	Name of Organisation	:	Indian Institute of Technology Delhi
2	Quotation / Quotation Type [open / limited / EOI / auction / single]	:	Open
3	Quotation / Quotation Category [services / goods / works]	:	Goods & Works
4	Type / Form of Contract [work / supply / auction / service / buy / empanelment / sell]	:	Work & Supply; IITD-8
5	Product Category [civil works / electrical works / fleet management / computer systems]	:	Electrical Works
6	Is Multi Currency Allowed?	:	No
7	Date of issue / publishing /start	:	<b>16/092109 at 12:00 Hrs</b>
8	Document download start date	:	<b>16/092109 at 12:00 Hrs</b>
9	Document download end date	:	<b>23-09-2019 up to 3 PM</b>
8	Last date & time of uploading of bids	:	<b>23-09-2019 up to 3 PM</b>
9	Date & time of opening of Technical Bids	:	<b>24-09-2019 at 3:00 PM</b>
10	<b>EMD</b>	:	<p><b>Rs.15,000.00 (exemption not allowed)</b>  To be paid through RTGS/NEFT. IIT Delhi Bank details are as under:  Name of the Bank A/C : IITD Revenue Account  SBI A/C No. : 10773572622  Name of the Bank : State Bank of India, IIT Delhi, Hauz Khas, New Delhi-110016  IFSC Code : SBIN0001077  MICR Code : 110002156  Swift No. : SBININBB547  (This is mandatory that UTR Number is provided in the on-line quotation/bid. (Kindly refer to the UTR Column of the Declaration Sheet at Annexure-II)</p>
11	Is EMD Exemption allowed?	:	No
12	No. of covers [1/2/3/4]	:	<b>02</b>
13	Address for communication	:	Executive Engineer (Electrical), Works Organisation, Hauz Khas, IIT Delhi, New Delhi - 110016
14	Contact No.	:	011- 2659 1742
15	E-mail address	:	<a href="mailto:a26984@admin.iitd.ac.in">a26984@admin.iitd.ac.in</a> ; <a href="mailto:a26335@admin.iitd.ac.in">a26335@admin.iitd.ac.in</a>

C.....Nil

I..... Nil

O..... Nil



## **INSTRUCTIONS FOR ONLINE BID SUBMISSION**

As per the directives of Department of Expenditure, this Quotation / quotation document has been published on the Central Public Procurement Portal (URL:<http://eprocure.gov.in/eprocure/app>). The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at:

<http://eprocure.gov.in/eprocure/app>

### **REGISTRATION**

- 1) Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL:<http://eprocure.gov.in/eprocure/app>) by clicking on the link "Click here to Enroll". Enrolment on the CPP Portal is free of charge.
- 2) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- 3) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
- 4) Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / TCS / nCode / eMudhra etc.), with their profile.
- 5) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSCs to others which may lead to misuse.
- 6) Bidder then logs in to the site through the secured log-in by entering their userID / password and the password of the DSC / e-Token.

### **SEARCHING FOR QUOTATION /QUOTATION DOCUMENTS**

- 1) There are various search options built in the CPP Portal, to facilitate bidders to search active Quotations / Quotation by several parameters. These parameters could include Quotation ID, organization name, location, date, value, etc. There is also an option of advanced search for Quotations, wherein the bidders may combine a number of search parameters such as organization name, form of contract, location, date, other keywords etc. to search for a Quotation published on the CPP Portal.
- 2) Once the bidders have selected the Quotations they are interested in, they may download the required documents / Quotation schedules. These Quotations can be moved to the respective 'My Quotations' folder. This would enable the CPP Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the Quotation document.
- 3) The bidder should make a note of the unique Quotation ID assigned to each Quotation / Quotation, in case they want to obtain any clarification / help from the Helpdesk.



## **PREPARATION OF BIDS**

- 1) Bidder should take into account any corrigendum published on the Quotation document before submitting their bids.
- 2) Please go through the Quotation / Quotation advertisement and the Quotation / Quotation document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- 3) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the Quotation document / schedule and generally, they can be in PDF / XLS / RAR / DWF formats. Bid documents may be scanned with 100 dpi with black and white option.
- 4) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Space" area available to them to upload such documents. These documents may be directly submitted from the "My Space" area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

## **SUBMISSION OF BIDS**

- 1) Bidder should log into the site well in advance for bid submission so that he/she upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- 2) The bidder has to digitally sign and upload the required bid documents one by one as indicated in the Quotation document.
- 3) Bidder has to select the payment option as "offline" to pay the Quotation fee / EMD as applicable and enter details of the instrument.
- 4) A standard BoQ format has been provided with the Quotation document to be filled by all the bidders. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. Bidders are required to download the BoQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BOQ file is found to be modified by the bidder, the bid will be rejected.

OR

In some cases Financial Bids can be submitted in PDF format as well (in lieu of BOQ).

- 5) The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
- 6) All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done.
- 7) The uploaded Quotation documents become readable only after the Quotation opening by the authorized bid openers.

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C.....Nil

I..... Nil

O..... Nil



- 8) Upon the successful and timely submission of bids, the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
- 9) Kindly add scanned PDF of all relevant documents in a single PDF file of compliance sheet.

### **ASSISTANCE TO BIDDERS**

- 1) Any queries relating to the Quotation document and the terms and conditions contained therein should be addressed to the Quotation Inviting Authority for a Quotation or the relevant contact person indicated in the Quotation.
- 2) Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk. The contact number for the helpdesk is 1800 233 7315.

### **GENERAL INSTRUCTIONS TO THE BIDDERS**

- 1) The Quotations will be received online through portal <http://eprocure.gov.in/eprocure/app> . In the Technical Bids, the bidders are required to upload all the documents in .pdf format.
- 2) Possession of a Valid Class II/III Digital Signature Certificate (DSC) in the form of smart card/e-token in the company's name is a prerequisite for registration and participating in the bid submission activities through <https://eprocure.gov.in/eprocure/app> . Digital Signature Certificates can be obtained from the authorized certifying agencies, details of which are available in the web site <https://eprocure.gov.in/eprocure/app> under the link "Information about DSC".

Bidders are advised to follow the instructions provided in the 'Instructions to the Bidder' for the e-submission of the bids online through the Central Public Procurement Portal for e Procurement at <https://eprocure.gov.in/eprocure/app>



## INFORMATION AND INSTRUCTIONS TO BIDDERS FOR E-NIQ

Executive Engineer [Electrical], Indian Institute of Technology Delhi, Hauz Khas, New Delhi – 100016 [Phone No. 011-26591746] on behalf of Board of Governors invites online **Item Rate Quotation** from **Contractors registered with CPWD / MES / BSNL in appropriate class & category** for the following work:

Sl. No.	N.I.Q. No.	Name of work & Location	Estimated cost put to bid	Earnest Money	Period of work	Last date & time of submission of bid (online mode)	Time & date of opening of Technical Bid	Time & date of opening of Financial Bid
[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]
1	9637/49/IITD/EW/NIQ/2019-20	Providing & Fixing Electrical Installation Work in Dining Hall of Faculty Guest House under renovation at IIT Delhi	Rs.7,50,034.00	Rs.15,000.00 (exemption not allowed)	01 month	23-09-2019 up to 3 PM	24-09-2019 at 3:00 PM	To be decided after assessing Technical Bids

- Contractors who fulfill the following requirements shall be eligible to apply. Joint ventures are not accepted.
  - Firms/Contractors should have satisfactorily completed one similar work of value not less than **Rs.6,00,000.00** or two similar works each of value not less than **Rs.4,50,000.00** or three similar works each of value not less than **Rs.3,00,000.00** during last 7 years ending previous day of last date of submission of bids.
- Similar work means "Any Electrical Installation Nature Works in Buildings"**

C.....Nil

I..... Nil

O..... Nil





3. **The intending bidder must read the terms and conditions carefully** which will be the part of the Contract. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
4. Information and Instructions for bidders posted on website shall form part of bid document.
5. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website [e-procure.gov.in](http://e-procure.gov.in).
6. But the bid can only be submitted after depositing requisite EMD as specified in the schedule.
7. Copy of enlistment order and certificate of work experience and other documents as specified in the Press Notice / web notice shall be scanned and up-loaded to the e-Quotationing website within the period of bid submission. However, certified / original copy of all the scanned and up-loaded documents as specified in press notice web / notice shall have to be submitted by the lowest bidder only within a day in the office of e-quotation inviting authority.
8. Online bid documents submitted by intending bidders shall be opened only of those bidders, who has deposited requisite EMD and other documents scanned and uploaded are found in order.
9. Completion certificates are required to be got issued by an officer not below the rank of Executive Engineer of similar works completed by the Firm. The work experience certificates submitted by the bidders shall clearly indicate that:
  - a. The similar work executed shall be **as '2' above**
  - b. The completed cost of the work
  - c. Actual date of completion of the work
10. Attested copy of registration certificates to be submitted. Registration of firms/ Contractors must be valid on the day of submission of Quotations or extended date of submission of Quotations whichever is later.
11. Work means only work under Government/ Public Sector Undertaking / Central Autonomous bodies.
12. The value of executed work shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated from the date of completion to last date of submission of financial bid.
13. The department reserves the right to reject any prospective application without assigning any reason and to restrict the list of qualified contractors to any number deemed suitable by it, if too many bids are received satisfying the laid down criterion.
14. **The bid submitted shall become invalid if:**
  - a. The bidder is found ineligible.
  - b. The bidder does not upload all the documents as stipulated in the bid document including the undertaking / declaration.
  - c. EMD not deposited as specified

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C.....Nil

I..... Nil

O..... Nil



**List of Mandatory Documents to be scanned and uploaded within the period of bid submission else bid shall summarily be rejected:**

- 1. Annexure – I duly filled in and got signed**
- 2. Attested certificate of requisite **work experience** as desired [vide points 1 & 2 above]**
- 3. GST Registration certificate of the State in which the work is to be taken up, if already obtained by the bidder. If the bidder has not obtained GST registration in the State in which the work is to be taken up, or as required by GST authorities then in such a case the bidder shall scan and upload following undertaking alongwith other bid documents.**

**“if work is awarded to me, I/we shall obtain GST registration certificate of the State, in which work is to be taken up within one month from the date of receipt of award letter or before release of any payment by IIT Delhi, whichever is earlier, failing which I/we shall be responsible for any delay in payments which will be due towards me/us on a/c of the work executed and/or for any action taken by IIT Delhi or GST department in this regard.”**

- 4. Valid Electrical Licence**
- 5. Bidder shall sign all pages of the quotation document and upload the scanned copy of the same**
- 6. Valid Enlistment Order**
- 7. EPFO & ESIC registration with up to date challan**
- 8. Any other document as specified in the NIQ**

*[N.B.: -As per CPWD Works Manual 2019, “MSME firms registered in NSIC under PP policy are exempted from payment of EMD for supply of goods and services only” Hence, there is **no applicability of EMD exemption** for this work. BID without EMD will summarily be rejected]*

**Executive Engineer [Electrical]  
For & on Behalf of BOG, IIT Delhi**

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C.....Nil

I..... Nil

O..... Nil



**ANNEXURE - I**

**<< Organization Letter Head >>  
DECLARATION**

I / We, \_\_\_\_\_ hereby declare that all the information and data furnished by our organization with regard to this quotation specification are true and complete to the best of our knowledge. I / we have gone through the specification, conditions and stipulations in details and agree to comply with the requirements and intent of specification.

1	Name & Address of the bidder	:	
2	Phone	:	
3	E-mail	:	
4	Contact person name	:	
5	Mobile number	:	
6	TIN number	:	
7	PAN number	:	
8	UTR no. [for payment of EMD]	:	
	<b>BANK DETAILS</b>		
10	Bank name	:	
11	Branch address	:	
12	Branch telephone no.	:	
13	MICR Code of the bank	:	
14	IFSC code	:	
15	Bank Account no.	:	
16	Type of account	:	

We further declare that our organization has not been blacklisted / delisted or put to any holiday by any Institutional agency / Govt. Department / Public Sector Undertaking in the last three years.

[Signature of the bidder]

Name:

Seal of the bidder

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C.....Nil

I..... Nil

O..... Nil

D'Man /J.E.

A.E.E / A.E.

E.E.



## **COMMERCIAL AND ADDITIONAL CONDITIONS**

### **1 GENERAL**

1.1 This specification covers testing as may be necessary before dispatch, delivery at site, all preparatory work, assembly and installation, commissioning, putting into operation of Electrical Installations.

1.11 **Name of work & location: Providing & Fixing Electrical Installation Work in Dining Hall of Faculty Guest House under renovation at IIT Delhi** The work shall be carried out as per Local Bye Laws, Relevant IE Rules and as per directions of Engineer-in-Charge.

These additional specifications and conditions are to be read in conjunction with above and in case of variations, specifications given in the Additional specifications and conditions shall apply. However, nothing extra shall be paid on account of these as the same are to be read along with schedule of quantities for the work.

1.2 The tenderer should in his own interest visit the site and get familiarized with the site conditions before tendering.

1.3 No T & P shall be issued by the Department and nothing extra shall be paid on account of this.

### **2 COMMERCIAL CONDITIONS**

#### **2.1 Type of contract**

The work to be awarded by this Quotation shall be treated as indivisible works contract.

#### **2.2 Submission of Quotation:-**

Bidder shall submit the cost of Quotation documents, if any, e-Quotating processing fee and earnest money, other documents, price bid in prescribed manner as indicated in "INFORMATION AND INSTRUCTIONS FOR CONTRACTORS FOR e-QUOTATING FORMING PART OF NIT AND TO BE POSTED ON WEBSITE"

2.3 The Quotationers are advised not to deviate from the technical specifications / items, commercial terms and conditions of NIT like terms of payment, guarantee, arbitration clause, escalation etc.

2.4 **The department reserves the right to reject any or all the price bids and call for fresh price Quotations as the case may be without assigning any reason.**

#### **3.0 Validity**

Quotations shall be valid for acceptance for a **period of 45 days from the date of opening of price bid.**

#### **4.0 SAFETY CODES AND LABOUR REGULATIONS**

(i) In respect of all labour employed directly or indirectly on the work for the performance of the contractor's part of work, the contractor at his own expense, will arrange for the safety provisions as per the statutory provisions, B.I.S. recommendations, factory act, workman's compensation act, CPWD code and instructions issued from time to time. Failure to provide such safety requirements would make the Quotationer liable for **penalty as specified in applicable clause**. In addition the Engineer-In-Charge shall be at liberty to make arrangements and provide facilities as aforesaid and recover the cost from the contractor.

(ii) The contractor shall provide necessary barriers, warning signals and other safety measures while laying pipelines, cables etc. or wherever necessary so as to avoid accident. He shall also indemnify IITD against

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C.....Nil

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claims for compensation arising out of negligence in this respect. Contractor shall be liable, in accordance with the Indian Law and Regulations for any accident occurring due to any cause. The department shall not be responsible for any accident occurred or damage incurred or claims arising there from during the execution of work. The contractor shall also provide all insurance including third party insurance as may be necessary to cover the risk. No extra payment would be made to the contractor due to the above provisions thereof.

## 5.0 Payment Terms

5.1 Unless otherwise specified, in the additional conditions of the contract, the payment shall be made as per the relevant clauses of form PWD 7/8 forming a part of the Quotation documents.

## 6.0 Security Deposit

Security deposit shall be deducted from each running bill and the final bill to be the extent of 10 percent of the gross amount payable. However the maximum amount of security deposit will be 5 percent of the Quotated value. The earnest money deposited shall be adjusted against this security deposit. **The security deposit shall be released after 1 year after completion of work. Bank guarantee will not be accepted as security deposit.**

## 8.0 Rates

8.1 The rates quoted by the Quotationer, shall be firm and inclusive of all taxes (i/c GST), duties & levies, etc. and all charges including risk, overhead charges, general liabilities / obligations and clearance from concerned authority, if any.

## 9.0 COMPLETION PERIOD

The work shall be carried out for a period of **01 month from the date of start** as indicated in the Quotation documents is for the entire work to the satisfaction of the Engineer-in-charge.

## 10.0 CARE OF THE BUILDING

Care shall be taken by the contractor while handling and installing the various equipments and components of the work to avoid damage to the building. He shall be responsible for repairing all damages and restoring the same to their original finish at his cost. He shall also remove at his cost all unwanted and waste material arising out of the installation from the site of work.

11.0 Any item required for completion of the project but left inadvertently shall be executed with-in the quoted rate.

## 12.0 Compliance with Regulations and Indian Standards

13.0 All works shall be carried out in accordance with relevant regulation, both statutory and those specified by the Indian Standards related to the works covered by this specification. In particular, the equipment and installation will comply with the following:

[a] Factories Act

[b] IE Rules

[c] BIS and other standards as applicable

[d] Workmen's Compensation Act

[e] Statutory norms prescribed by local bodies like CEA, Power Supply Co. etc.

## 14.0 Mobilization Advance:

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C.....Nil

I..... Nil

O..... Nil



No mobilization advance shall be paid for this work.

**15.0 INTERPRETING SPECIFICATIONS**

In interpreting the specifications, the following order of decreasing importance shall be followed in case of contradictions:

- [a] schedule of quantities
- [b] Technical specifications
- [c] Drawing [if any]
- [d] General specifications
- [d] Relevant BIS or other international code in case BIS code is not available

**16.0 COOPERATION WITH OTHER AGENCIES**

The successful Quotationer shall co-ordinate with other contractors and agencies in the site of work, if any, and exchange freely all technical information so as to make the execution of this work / contract smooth.

No remuneration should be claimed from the department for such technical cooperation. If any unreasonable hindrance is caused to other agencies and any completed portion of the work has to be dismantled and re-done for want of cooperation and coordination by the Quotationer during the course of work, such expenditure incurred will be recovered from the successful Quotationer if the restoration work to the original condition or specification of the dismantled portion of the work was not undertaken by the Quotationer himself.

**17.0 INDEMNITY**

The successful Quotationer shall at all times indemnify the department, consequent on this works contract. The successful Quotationer shall be liable, in accordance with the Indian Law and Regulations for any accident occurring due to any cause and the contractor shall be responsible for any accident or damage incurred or claims arising there from during the period of erection, construction and putting into operation the equipment and ancillary equipments under the supervision of the successful Quotationer in so far as the latter is responsible. The successful Quotationer shall also provide all insurance as may be necessary to cover the risk. No extra payment would be made to the successful Quotationer on account of the above.

**18.0 Taxes as applicable shall be deducted from the bill of the contractor.**

**19.0 DEVIATION:**

GCC to be followed for operation of any work related clauses as per IITD-8 as amended upto date as and when required.

**20.0 SPECIFICATION:**

To be followed CPWD General Specification for Electrical Works Part 1 & 2 as amended upto date and IE Rules

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C.....Nil      I..... Nil      O..... Nil

**BID SUBMISSION CHECK LIST****ONLINE BID SUBMISSION:**

The Online bids (complete in all respect) must be uploaded online in **two** bids as explained below:-

<b>Envelope – 1</b> (Following documents to be provided as single PDF file)			
<b>Sl. No.</b>	<b>Documents</b>	<b>Content</b>	<b>File Types</b>
1.	Technical Bid	Annexure – 1 mentioning UTR no.	.PDF
2.		Attested Certificate of work experience	.PDF
3.		Certificate of Registration for GSTIN & declaration as applicable	.PDF
4.		Bidder shall sign all pages of the quotation document and upload the scanned copy of the same	.PDF
5.		Valid Enlistment Order	.PDF
6.		Valid Electrical Licence	.PDF
7.		EPFO & ESIC Registration with updated challan	.PDF
8.		Any other document as specified in the NIQ	.PDF
<b>Envelope – 2</b>			
<b>Sl. No.</b>	<b>TYPES</b>	<b>Content</b>	
1.	Financial Bid	Price bid should be submitted in BOQ format.	.EXL

**SCHEDULE OF QUANTITY**

**Name of work: Providing & Fixing Electrical Installation Work in Dining Hall of Faculty Guest House under renovation at IIT Delhi**

Sl. No.	Description of item	Qty.	Unit	Rate	Amount
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 steel 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.				
1.1	Group C	94	Point		
2	Wiring for light/ power plug with 2X4 sq. mm FR PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 1 No 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required.	200	Metre		
3	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required				
3.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	80	Metre		
3.2	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	200	Metre		
3.3	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	150	Metre		
3.4	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	75	Metre		
4	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
4.1	15/16 amp switch	30	Each		
4.2	6 pin 15/16 amp socket outlet	30	Each		
5	Supplying and fixing following size/ modules, GI/PVC box alongwith modular base & cover plate for modular switches in recess etc as required.				
5.1	3 Module (100mmX75mm)	10	Each		
5.2	6 Module (200mmX75mm)	10	Each		

C.....Nil

I..... Nil

O..... Nil





6	Supplying and installation of Surface mounting round LED luminaire equipped with extruded aluminium housing with opal PMMA with energy efficient electronic driver with following features:- Suitable for operating voltage and frequency: 130-300 Va.c, 50 Hz.; wattage 56 Watts; CCT 4000K; Dimension in mm (600); Nominal surge protection 2.5 kV;Power factor not less than 0.9; Minimum IP protection 20;	10	Each		
7	Supplying and installation of Recess mounting round LED luminaire equipped with fully enclosed precision die-cast aluminium construction,excellent pan and <b>tilt adjustment</b> with energy efficient electronic driver with following features:-Suitable for operating voltage and frequency: 130-300 Va.c, 50 Hz.; wattage 25 Watts; CCT 4000K; Dimension 112 mm; Nominal surge protection 2.5 kV;Power factor not less than 0.9; Minimum IP protection 20;	42	Each		
8	Supplying and installation of flexible LED striplights made of bright LED chips with high quality thermal PCB board with energy efficient electronic driver with following features:-Suitable for operating voltage and frequency: 130-300 Va.c, 50 Hz.; wattage 14 Watts; CCT 4000K; Nominal surge protection 2.5 kV;Power factor not less than 0.9; Minimum IP protection 20;	100	Metre		
9	Supplying and installation of energy efficient electronic driver for 14 watts LED strip light with following features:-Suitable for operating voltage and frequency: 130-300 Va.c, 50 Hz.; wattage 14 Watts; Nominal surge protection 2.5 kV;Power factor not less than 0.9; Minimum IP protection 20;	20	Each		



10	Supplying and installation of Suspended LED luminaire equipped with extruded aluminium housing offers a precise in line appearance with energy efficient electronic driver with following features:-Suitable for operating voltage and frequency: 130-300 Va.c, 50 Hz.; wattage 30 Watts; CCT 4000K; Dimension 1200 mm ; Nominal surge protection 2.5 kV;Power factor not less than 0.9; Minimum IP protection 20;	2	Each		
11	Supplying and installation of small adjustable Recess mounting round LED luminaire equipped with die-cast aluminium body and lens with 15 degree tilt option, excellent heat sink capability to minimize luminous degradation with energy efficient electronic driver with following features:- Suitable for operating voltage and frequency: 130-300 Va.c, 50 Hz.; wattage 5 Watts; CCT 4000K; Dimension 66 mm ; Nominal surge protection 2.5 kV;Power factor not less than 0.9; Minimum IP protection 20;	5	Each		
12	Supplying and fixing of 5 star rated, 1200mm sweep Ceiling fan complete with all accessories for use on 220/240 volts 50 HZ, single phase A/C Supply including wiring the down rod of standard length upto 30cm with 1.5 sq. mm FRLS PVC insulated, copper conductor single/ multi core cable etc as reqd.	19	Each		
13	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	19	Each		
14	Providing and fixing M.S fan hook for ceiling fan including digging in RCC & making good the same complete as required.	19	Each		
15	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	20	Each		



16	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)				
16.1	8 way, Double door	2	Each		
16.2	12 way, Double door	2	Each		
17	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 volts, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 amps tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB's (but without MCB's and incomer ) as required . (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.)				
17.1	8 way (4 + 24), Double door	1	Each		
18	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.				
18.1	Single pole	64	Each		
18.2	Single pole and neutral	4	Each		
19	Supplying and fixing 125 amps, 18 KA, TP MCCB in the existing TPN Distribution board/ panel board including testing & commissioning etc. complete as required.	1	Each		
20	Supplying and fixing 100 amps, 18 KA, TP MCCB with Steel Enclosure including testing & commissioning etc. complete as required.	1	Each		
21	Supplying and fixing following rating, double pole, 240 volts, MCB in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
21.1	63 amps	4	Each		

C.....Nil

I..... Nil

O..... Nil



22	Supplying and fixing Cable End Box (Loose Wire Box) suitable for following single pole and neutral, sheet steel, MCB distribution board, 240 Volts, on surface/ recess, complete with testing and commissioning etc. as required. For 8/12 way, Double door SPN MCBDB	2	Each		
23	Supplying and fixing Cable End Box (Loose Wire Box) suitable for following triple pole and neutral, sheet steel, MCB distribution board, 415 Volts, on surface/ recess, complete with testing and commissioning etc.as required. For 8/ 12 way, Double door TPN MCBDB	1	Each		
24	Supplying and fixing of 250mm sweep Fresh Air fan complete with suitable size louvers and PVC housing with all accessories suitable for use on 230 V , 50 Hz supply in the existing opening, including making good the damage , connection, testing and commissioning etc. as required.	4	Each		
25	Supplying and fixing of 300 mm size exhaust fan complete with suitable size louvers with all accessories suitable for use on 230 V , 50 Hz supply in the existing opening, including making good the damage , connection, testing and commissioning etc. as required.as required	2	Each		
26	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.				
26.1	4 X 25 sq. mm (28mm)	6	Each		
26.2	4 X 35 sq. mm (32mm)	4	Each		
27	Supplying and Laying of PVC insulated, PVC sheathed XLPE aluminium conductor armored cable of Following size, 1.1 KV grade conforming to I.S-1554/1/88				
27.1	4 X 25 sq. mm	60	Metre		
27.2	4 X 35 sq. mm	50	Metre		
28	Providing and fixing 8 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.	220	Metre		

C.....Nil

I..... Nil

O..... Nil



29	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube etc. directly on ceiling/ wall, including connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	10	Each		
30	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable, including providing and fixing phenolic laminated sheet cover on the fan box etc. as required.	5	Each		
31	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.				
31.1	Upto 450 mm sweep	2	Each		
32.00	[-] Less Credit for Dismantled Materials.(These are tentative, may vary as per actual.) Reserve Price is Rs.3000.00 <b>Bidder should not quote below Rs.3000.00 in total for the dismantled items</b>				
32.1	Less buyback of T5/ tube light etc. on as is where is basis.	20.00	Nos.		
32.2	Less buyback of 48 " Ceiling fan etc. on as is where is basis.	8.00	Nos		
32.3	Less buyback of 10 " Fresh air/Exhaust fan etc. on as is where is basis.	2.00	Nos		
32.4	Less buyback of MS conduit/ iron/ Steel items etc. on as is where is basis.	1.00	Lot.		
32.5	Less buyback of old aluminium wiring on as is where is basis.	1.00	Lot.		

\*\*\* Firm shall not quote rates here. Please refer financial bid for quoting of rates.

AEE [E]

Executive Engineer [E]

C.....Nil

I..... Nil

O..... Nil

D'Man /J.E.

A.E.E / A.E.

E.E.