



INDIAN INSTITUTE OF TECHNOLOGY DELHI

E-QUOTATION DOCUMENT

| | | | |
|----------|---|---|---|
| 1 | Name of work | : | Providing, Installation, Testing and Commissioning of Cassette type FCU in Server Room 2nd Floor SIT Building at IIT Delhi |
| 2 | NIQ No. | : | 1078/IITD/AC/EW/2026-27 |
| 3 | Estimated Cost (Rs.) | : | 3,71,412.00 |
| 4 | Earnest Money Deposit (Rs.) | : | 7,428.00 (No exemption allowed) |
| 5 | Period of completion | : | 15 days |
| 6 | Last date & time of bid submission | : | Upto 3 PM 27-04-2026 |

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Certified that this NIQ contains 19 pages.
NIQ amounting to 3,71,412.00 is approved.

Jr. Engineer [E]

**Asstt. Executive Engineer
In-charge AC Division**



IIT DELHI SONIPAT CAMPUS
NOTICE INVITING E-QUOTATION
IITD/WORKS (SP- 5288)/2026

Asstt. Executive Engineer- in charge AC Division, Indian Institute of Technology Delhi, Ph. No. 011-2659 1746 on behalf of Board of Governors invites online **Item Rate Quotation** from **Contractors of Repute** dealing with **HVAC work** as per details given below:

| | | | |
|---|---|---|---|
| 1 | Name of work | : | Providing, Installation, Testing and Commissioning of Cassette type FCU in Server Room 2nd Floor SIT Building at IIT Delhi |
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| 3 | Estimated Cost (Rs.) | : | 3,71,412.00 |
| 4 | Earnest Money Deposit (Rs.) | : | 7,428.00 (No exemption allowed) |
| 5 | Period of completion | : | 15 days |
| 6 | Last date & time of bid submission | : | Upto 3 PM 27-04-2026 |
| 7 | Time & date of opening of Technical Bid | : | 28-04-2026 after 3 PM |
| 8 | Time & date of opening of Financial Bid | : | To be decided after assessing Technical Bids |

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 enrol / register themselves before participating through web site <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 / tender 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 quotations. Select the appropriate quotation / tender and fill them with all relevant information and submit the completed Quotation / Tender 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 & Financial) should be submitted in the e-procurement portal.

**Asstt. Executive Engineer
In-charge AC Division**

Ch. Head : 31.06.30
Work Code : 2021/006/1078

Copy to:-



INSTRUCTIONS FOR ONLINE BID SUBMISSION

As per the directives of Department of Expenditure, this quotation / tender document has been published on the Central Public Procurement Portal (URL: <http://eprocure.gov.in/eprocure/app>). The bidders are required to submit softcopies of their bids electronically on the CPP portal, using valid Digital Signature Certificates (DSC). 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 enrol 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 enrol". 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 user name and assign a password for their accounts.
3. Bidders are advised to register their valid e-mail address and mobile number 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 2 or class 3 certificates with signing key usage) issued by any certifying authority recognised 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 bidders are responsible to ensure that they do not lend their DSCs to others which may lead to misuse.
6. Bidder then logs into the site through the secured log-in by entering their user ID / password and the password of the DSC / eToken.

SEARCHING FOR TENDER DOCUMENTS

1. There are various search options built in the CPP portal to facilitate bidders to search active tenders by several parameters. These parameters could include tender ID, organisation name, location, date, value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as organisation name, form of contract, location, date, other keywords etc. to search for a tender published on the CPP portal.
2. Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. The tenders can be moved to the respective "My Tenders" folder. This would enable the CPP portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.
3. The bidder should make a note of the unique Tender ID assigned to each other, 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 tender document before submitting their bids.
2. Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bids. Please note the number of covers in which the bid documents have to be submitted. Any deviations from these may lead to rejection of the bids.
3. Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF formats. Bid documents may be scanned with 100 dpi with black & 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's 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



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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 tender document.
 3. Bidder has to select the payment option as “on-line” to pay the tender fee / EMD as applicable and enter details of the instrument. Whenever, EMD / Tender fees is sought, bidders need to pay the tender fee and EMD separately on-line through RTGS (Refer to Schedule, **Page no. 3**)
 4. A standard BOQ Format has been provided with the tender 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 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 unauthorised 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 tender documents become readable only after the tender opening by the authorised bid openers.
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 tender document and the terms and conditions contained therein should be addressed to the tender inviting authority for a tender or the relevant contact person indicated in the tender.
2. Any queries relating to the process of online bid submission or queries relating to CPP portal in general may be directed to the 24 x 7 CPP Portal Help Desk. The contact number of the helpdesk is 18002337315.

GENERAL INSTRUCTIONS TO THE BIDDERS

1. The tenders will be received online through portal <https://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 authorised certifying agencies, details of which are available in the website <https://eprocure.gov.in/eprocure/app> under the link “Information about DSC”.
3. 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 & INSTRUCTION TO BIDDERS FOR E-QUOTATION

1. Contractors who fulfil the following requirements shall be eligible to apply. Joint ventures are not accepted.
 - a. Should have satisfactorily completed the works as mentioned below during the last Seven years ending **previous day of last date of submission of bids**.
 - i. **Three** similar works each costing not less than **Rs.1,49,000.00**, or **two** similar works each costing not less than **Rs.2,23,000.00**, or one similar work costing not less than **Rs.2,97,000.00**
 - ii. 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 by compounding; calculated from the date of completion to last date of submission of financial bid.
 - b. Completion certificates are required to be got issued by an officer not below the rank of Managerial level of similar works completed by the Firm. The work experience certificates submitted by the bidders shall clearly indicate (a) the completed cost of the work and (b) actual date of completion of the work

2. Similar work means Work related to water cooled chiller AC Plant.

3. **Work means** work done with some Central Government Department / State Government Department / Central Autonomous Body / *State Autonomous Body* / Central Public Sector Undertaking / *State Public Sector Undertaking* / *City Development Authority* / *Municipal Corporation of City formed under any Act by Central / State Government and published in Central / State Gazette / any reputed private organisation.*
4. **Earnest money (EMD)** shall have to be deposited / submitted as stipulated in the schedule. EMD shall be refunded unsuccessful bidders after award of work.
5. **The intending bidder must read the terms and conditions.** He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
6. 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 free of cost.
7. But the bid can only be submitted after submission of **EMD as prescribed in the schedule.**
8. Copy of all mandatory documents as desired in the e-NIQ shall be scanned and up-loaded to the e-Tendering website within the period of bid submission. However, certified / original copy of all the scanned and up-loaded documents shall have to be submitted by the lowest bidder only within two days physically in the office of e-bidding authority, if so desired, by the quotation inviting authority. During scrutiny of technical bids, if required, bidders may be asked to submit original documents for cross checking.
9. Online bid documents submitted by intending bidders shall be opened only of those bidders, who has submitted **prescribed EMD**, and other documents scanned and uploaded are found in order.



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10. Those contractors not registered on the website mentioned above, are required to get registered beforehand. Bidders should refer "Instruction for Online Bid Submission" given earlier for further assistance.
 11. When bids are invited in two / three stages systems and if it is desired to submit revised financial bid it shall be mandatory to submit revised financial bid. If not submitted, then the bid submitted earlier shall become invalid.
 12. 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.
 13. Contractors must ensure to quote rate of each item.
 14. The work is estimated to cost **Rs.3,71,412.00**. This estimate, however, is given merely as a rough guide.
 15. The bid submitted shall become invalid, if:
 - a. The bidder is found ineligible.
 - b. The bidder does not upload all the documents (including GSTIN registration) as stipulated in the bid document including the undertaking / declaration if any.
 - c. EMD not deposited as specified.
 - d. Not registered with EPFO & ESIC
 - e. Any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted **physically by the lowest bidder** in the office of the bid opening authority.
 16. Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and subsoil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidders shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.
 17. The competent authority on behalf of the Board of Governors does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidder shall be summarily rejected.
 18. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable for rejection.
 19. The competent authority on behalf of the Board of Governors reserves to himself the right of
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accepting the whole or any part of the bid and the bidder shall be bound to perform the same at the rate quoted.

20. The contractor shall not be permitted to bid for works in the IITD responsible for award and execution of contracts, in which his near relative is posted a Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any Gazetted officer in the IIT Delhi. Any breach of this condition by the contractor would render him liable to be debarred from bidding process in future in IIT Delhi.
21. No Engineer of Gazetted rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the Government of India in writing. This contract liable to be cancelled, if, either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the bid or engagement in the contractor's service.
22. The bid for the works shall remain open for acceptance for a period of **45 (forty five) days from the date of opening of technical bids**, if any bidder withdraws his bid before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the bid which are not acceptable to the department, then the IIT Delhi shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the bidder shall not be allowed to participate in the re-bidding process of the work.
 - a. Standard IITD Form –7/8 or other Standard IITD Form as applicable.
23. In case any discrepancy is noticed between the documents as uploaded at the time of submission of the bid online and hard copies as to be submitted physically in IIT Delhi, if so desired by the accepting authority, then the bid submitted shall become invalid and the IIT Delhi shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the bidder shall not be allowed to participate in the bidding process of the work.
24. GST or any other tax applicable in respect of inputs procured by the contractor for this contract shall be payable by the Contractor and Government will not entertain any claim whatsoever in respect of the same.



LIST OF MANDATORY DOCUMENTS TO BE SCANNED AND UPLOADED WITHIN THE PERIOD OF BID SUBMISSION:

| | | |
|---|---|---|
| 1 | : | Annexure – 1 duly filled in and got signed |
| 2 | : | Proof of EMD deposit |
| 3 | : | Certificate of work experience as desired |
| 4 | : | Certificate of GST Registration |
| 5 | : | EPFO & ESIC Registration proof. |
| 6 | : | Valid Electrical Licence in the name of the contractor. <i>if the bidder does not possess electrical licence in his own name, he shall have to submit an undertaking on their letter head and the bidder shall scan and upload following undertaking along with other bid documents.</i> <i>“I/We undertake that, if I/we do not possess in my/our name a valid electrical license as required, I/we shall associate an agency having such a licence for execution of work which requires such a licence”.</i> |
| 7 | : | Following documents are to be provided by the bidder if Private Organisation Experience certificate is submitted in support of eligibility: TDS certificate of the work experience duly highlighted |
| 8 | : | Any other document as specified in the E-NIQ |

**Asstt. Executive Engineer
In-charge AC Division**



COMMERCIAL AND ADDITIONAL CONDITIONS

1. GENERAL

- 1.1. This specification covers supply and delivery of materials at site as required, all preparatory work and **Providing, Installation, Testing and Commissioning of Cassette type FCU in Server Room 2nd Floor SIT Building at IIT Delhi**
- 1.2. The work shall be executed as per CPWD General Specifications for Electrical Works **Part-I (Int.) 2013, Part-II (Ext.) 1994**, as amended upto date, relevant I.E. Rules, BIS/IEC and as per directions of Engineer-in- Charge. These additional specifications/conditions are to be read in conjunction with above and in case of variations; specifications given in these additional conditions shall apply. However, nothing extra shall be paid on account of these additional specification and conditions, as the same are to be read along with schedule of quantities for the work.
- 1.3. The bidder should in his own interest visit the site and get familiarize with the site conditions before tendering.
- 1.4. No T&P shall be issued by the Department and nothing extra shall be paid on account of this.

2. COMMERCIAL CONDITIONS:

- 2.1. The work to be awarded by this tender shall be treated as indivisible works contract / work order.
- 2.2. **Submission and opening of e-Quotations:**
 - 2.2.1. The e-quotation is in two parts:
 - 2.2.1.1. Part-I -Technical cum Un-priced commercial Bid
 - 2.2.1.2. Part-II-Price Bid
- 2.3. The bidders are advised not to deviate from the technical specifications / item, commercial terms and conditions of NIQ like terms of payment, guarantee, escalation etc.
- 2.4. Technical cum un-priced commercial bid only shall be opened on-line mode.
- 2.5. Scrutiny/evaluation of the technical-cum-commercial bid shall be done by the department. In case, it is found that the technical-cum-commercial bid of a bidder is not in line with NIQ specifications/requirements and/or contains too many deviations, the department reserves the right to reject the technical bid of such firms(s) without making any reference to the bidder(s).
- 2.6. Necessary clarifications required by the department shall have to be furnished by the bidder within the time given by the department for the same. The bidder will have to depute his representative to discuss with the officer(s) of the department as and when so desired. In case, in the opinion of the department a bidder is taking undue long time in furnishing the desired clarifications, his bid will be rejected without making any reference.
- 2.7. After obtaining clarification from all the bidders, the department will intimate the tenders whose technical cum commercial bids are acceptable.



2.8. The price bids of only those bidders shall be opened whose technical bids are found to be technically acceptable. The time and date of opening of price bid shall be fixed after the technical cum unpriced commercial bid is accepted and intimated to them by post/Fax/e-mail.

2.9. The department reserves the right to reject any or all the price bids and call for fresh prices/tenders as the case may be without assigning any reason.

3. TERMS OF PAYMENTS

3.1. Payment shall be processed only after completion of the entire work. Bidder should note that necessary documents (PAN card, Cancelled cheque, GST Reg. proof and RTGS mandate form as per prescribed proforma of IIT Delhi) be submitted as soon as the work is awarded to them. Separate Contractor's Code shall be generated in IIT Delhi if the bidder is a new contractor to IIT Delhi ('Code' is perpetual in nature). Payment shall be processed after submission of Invoice and necessary documents / certificates (as mentioned in the NIQ). There is a prevailing practice of pre-audit (for total tendered amount more than 6 lakhs) at IIT Delhi before releasing payment. Bidder shall have to comply all necessary documents as outlined in the Contract as to be desired by the Auditor and or by the accountant. It may take one to two months in the whole process (from submission / acceptance of bill in CMB / MB by the contractor upto processing by Accounts section) to release payment subject to quick compliance of all submittals by the contractor. Applicable Taxes shall be got deducted from the bill as per prevailing orders of the Government. 'GST part of the bill' shall be released after submission of proof of payment of GST, i.e. B2B challan, etc. by the contractor.

3.2. Income tax, GST, labour cess & other statutory deduction etc. shall be made at source as per the prevalent laws. The deduction of Security Deposit, Income Tax, etc., shall be done after calculation for the above due payment as per clause 3 above and net payment shall reduce accordingly.

4. AWARD OF WORK

4.1. Work shall be awarded to the successful lowest bidder only after concurrence of all formalities as per extant Rules of the Institute.

5. SECURITY DEPOSIT

5.1. Security Deposit shall be deducted from bill to the extent of 5% of the gross amount payable. **The security deposit shall be released after Defect Liability Period is over i.e. 6 months after date of completion.**

6. RATES

6.1. The work shall be treated as on works contract basis and the rates tendered shall be for complete items of work (except the materials, if any, stipulated for supply by the department) inclusive of all taxes, GST (including works contract tax, if any), duties, and levies etc. and all charges for items contingent to the work, such as, packing, forwarding, insurance, freight and delivery at site for the materials to the supplied by the contractor, watch and ward of all materials (including those, if any, supplied by the department), post installation services till defect liability period etc. for the work at site etc.

7. COMPLETENESS OF QUOTATION



7.1. All sundry equipments, fitting, unit assemblies, accessories, hardware items, foundation bolts, termination lugs for electrical connections and all other items which are useful and necessary for efficient assembly and installation of equipment and components of the work shall be deemed to have been included in the quotation irrespective of the fact whether such items are specially mentioned in the tender documents or not.

8. STORAGE AND CUSTODY OF MATERIAL

8.1. The agency has to make his own arrangement for storage. No separate storage accommodation shall be provided by the department. Watch and ward of the storage and their safe custody shall be responsibility till the final taking over of the installation by the department.

9. CARE OF THE BUILDING

9.1. Care shall be taken by the contractor while handling and installing the various equipment 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.

10. COMPLETION PERIOD

10.1. The completion period indicated in the quotation documents is for the entire work of planning, designing, approval of drawings etc., arrangement of materials & equipments, delivery at site including transportation, installation, testing, commissioning and handing over of the entire system to the satisfaction of the Engineer-in-charge.

11. POWER SUPPLY

11.1. Power supply shall be made available by the department at one point near the site free of cost, if required. Further, the arrangement for tapping power supply from this point shall be made by the contractor.

12. VALIDITY

12.1. Tenders shall be valid for acceptance for a period 45 days from the last date of submission of bid.

13. COMPLIANCE WITH REGULATIONS AND INDIAN STANDARDS

13.1. 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:

13.1.1. Factories Act

13.1.2. Indian Electricity Rules

13.1.3. B.I.S. & other standards as applicable

13.1.4. Workmen's compensation Act

13.1.5. Statutory norms prescribed by local bodies like fire department, CEA, Power Supply Co. etc.



14. INDEMNITY

- 14.1. The successful bidder shall at all times indemnify the department, consequent on this works contract. The successful bidder 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 equipments and ancillary equipment under the supervision of the successful bidder in so far as the latter is responsible. The successful bidder 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 successful bidder on account of the above.

15. ERECTION TOOLS

- 15.1. No tools and tackles either for unloading or for shifting the equipments for erection purposes would be made available by the department. The successful tender shall make his arrangement for all these facilities.

16. COOPERATION WITH OTHER AGENCIES AND OCCUPANTS OF THE BUILDING

- 16.1. The successful bidder shall co-ordinate with other working contractors, if any and other occupants of different offices / Labs, etc., 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 bidder during the course of work, such expenditure incurred will be recovered from the successful bidder if the restoration work to the original condition or specification of the dismantled portion of work was not under taken by the bidder himself.

17. INTERPRETING SPECIFICATION

- 17.1. In interpreting the specification, the following order of decreasing importance shall be followed in case of contradictions:
- 17.1.1. Schedule of quantities
 - 17.1.2. Technical Specification
 - 17.1.3. Drawing (if any)
 - 17.1.4. General Specification for Electrical Works of CPWD (relevant Parts)
 - 17.1.5. Relevant BIS or other international code in case BIS code is not available.

18. POLICY OF THE INSTITUTE

- 18.1. Institute has a policy against **sexual harassment** and is committed to providing an environment free from **sexual harassment of women** at the workplace. Contractor shall have to abide by the policy of the Institute with due diligence. Any violation on the part of the contractor shall be dealt with the extant rules of the Institute.
- 18.2. The bidder shall guarantee among other things, the following:



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- 18.2.1. Quality, strength and performance of the material used as per manufacturer's standards.
 - 18.2.2. Safe mechanical and electrical stress on all part under all specified conditions of operation.
 - 18.2.3. Satisfactory operation during the maintenance period.



ANNEXURE - 1**<< Organization Letter Head >>
DECLARATION**

I / We, _____ hereby declare that all the information and data furnished by our organization with regard to this tender 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 | GSTIN number | : | |
| 7 | PAN number | : | |
| 8 | UTR no. for EMD | : | |
| | BANK DETAILS of the Bidder | | |
| 9 | Bank name | : | |
| 10 | Branch address | : | |
| 11 | Branch telephone no. | : | |
| 12 | MICR Code of the bank | : | |
| 13 | IFSC code | : | |
| 14 | Bank Account no. | : | |
| 15 | Type of account | : | |
| 16 | PI attach one cancelled cheque | : | |

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& name of the bidder)
Seal of the bidder



BID SUBMISSION CHECK LIST

ONLINE BID SUBMISSION:

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

| Envelope – 1 (Following documents to be provided as single PDF file) | | | |
|--|----------------------|--|-------------------|
| Sl. No. | Documents | Content | File Types |
| 1 | Technical Bid | Annexure – 1 | .PDF |
| 2 | | EMD submission proof | .PDF |
| 3 | | Certificate of work experience | .PDF |
| 4 | | Certificate of GST Registration | .PDF |
| 5 | | EPFO & ESIC Registration proof | .PDF |
| 6 | | Valid Electrical Licence / Undertaking | .PDF |
| 7 | | TDS certificate of the work experience (if Private Org.) | .PDF |
| 8 | | Any other document as specified in the NIQ | .PDF |
| Envelope – 2 | | | |
| Sl. No. | TYPES | Content | |
| 1. | Financial Bid | Price bid should be submitted in PDF / BOQ format. | .EXL |



SCHEDULE OF QUANTITY

Name of work: Providing, Installation, Testing and Commissioning of Cassette type FCU in Server Room 2nd Floor SIT Building at IIT Delhi

| S.No | DESCRIPTION OF ITEM | QTY | RATE | UNIT | AMOUNT |
|------|---|-----|------|------|--------|
| 1 | Supplying, installation, testing and commissioning of 4.0 TR nominal capacity with air quantity not less than 1200 CFM Chilled Water Ceiling Suspended Hydronic Cassette type fan coil unit, four (4) way directional flow, low noise, each complete with two (2) rows of deep chilled water cooling coil, multi-blade centrifugal fan, test reports from National Accreditation Board for Testing and Calibration Laboratories (NABL)/AHRI accredited lab, electronic air cleaning system, required set of ball valves with & without strainers & 2 way Motorized valve, insulated condensate drain pans with drain pump assembly & drain pump failure alarm, pipe connections through copper pipes, Infra-red remote control, Liquid Crystal Display (LCD), four (4) speed motor , fan four (4) direction air flow, auto swing louvre, decorative panel etc., condensation drain connections, all units shall be suitable for 220 +/- 10% Volts, 50 Hz, single phase power supply etc. complete as per specification. The wireless Remote temperature control / thermostat shall have memory back up for set point re-store in case of power failure and re-start. Four (4) hanger rods with required anchoring fasteners, hooks, washers etc. complete as per CPWD specification and as directed by Engineer-in-charge. Type test report shall be submitted before supply of material. | 2 | | Each | ***** |
| 2 | Supplying, laying/ fixing, testing and commissioning of following nominal sizes of chilled water piping plumbing inside the building (with necessary clamps, vibration isolators and fittings but excluding valves, strainers, gauges etc.) duly insulated with fire retardant quality expanded polystyrene moulded pipe section of density 20 kg/cu.m after a thick coat of cold setting adhesive (CPRX compound) wrapping with 500g polythene faced hessain and finally applying 0.63mm aluminium sheet cladding complete with type3, grade 1 roofing feltstrip (as per IS:1322 as amended up to date) at joints repairing of damage to building etc. as per specifications and as required complete in all respect. | | | | |



| | | | | | |
|-------------|---|----|--|-------|-------|
| 2.01 | 50 mm dia 'C' class with 50 mm thick insulation | 36 | | Metre | ***** |
| 2.02 | 25 mm dia 'C' class with 50 mm thick insulation | 30 | | Metre | ***** |
| 3 | Supplying, fixing, testing and commissioning of 50 mm dia. BUTTERFLY VALVE (MANUAL) with C I body SS Disc, Nitrile Rubber Seal & O- Ring PN 16 pressure rating for chilled water water circulation, in the chilled water plumbing duly insulated to the same specifications as the connected piping and adequately supported as per specifications. | 2 | | Each | ***** |
| 4 | Supplying, Installation, testing and commissioning of 25.4 mm dia. (OD) with tube thickness not less than 1.2 mm nominal sizes of soft/hard drawn copper refrigerant piping for VRV/VRF system, complete with fittings, with suitable adjustable ring type hanger supports, jointing/brazing including accessories, insulated with XPLE Class-O tubular insulation/with Class-O closed cell elastometric nitrile rubber tubular sleeves sections of 19 mm thick insulation as given below for Suction and Liquid lines, all accessories as per specifications etc. as required. | 6 | | Metre | ***** |
| 5 | Supplying and laying of ISI marked FRLS PVC insulated and sheathed XLPE armoured copper conductor cable of 1.1 kV grade of reputed make on surface etc. as required. [NB: Single stranded cable not to be used] | | | | |
| 5.01 | 3 core x 1.5 sqmm | 20 | | Metre | ***** |
| 5.02 | 3 core x 2.5 sqmm | 20 | | Metre | ***** |
| 6 | Supplying, Installation, Testing and Commissioning of 32 mm dia electronic, self-balancing, pressure independent type dynamic balancing valve or of suitable as per OEM with integrated 2-way modulating control valve in a single body. The actuator shall be capable of accepting upto 10V DC and upto 20mA electric signal and shall provide similar transduced feedback output to control system. Maximum close off pressure shall not be less than 6 Bar for upto 50 mm valves and 7 Bar for 65 mm & above. Valves should have pressure rating of 25 Bar minimum. | 2 | | Each | ***** |



| | | | | | |
|--------------|--|----|--|-------|-------|
| 7 | DRAIN PIPE: Supplying and laying of ISI marked CPVC pipe of following size for draining of condensed / sweated water from FCU / Cassette AC (indoor) unit including providing tee, joints, elbows, supports, etc. insulated with XLPE class - O tubular insulation / with Class-O closed cell elastomeric nitrile rubber tubular sleeves sections of not less than 8 mm thick etc. complete as required. (Acceptable make: Astral / Geroge Fischer / Finolex / Prakash / Supreme / Prince) | | | | |
| 7.01 | 40 mm dia | 10 | | Metre | ***** |
| 7.02 | 32 mm dia | 10 | | Metre | ***** |
| 8 | Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required. | 2 | | Each | ***** |
| 9 | Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required. | 2 | | Each | ***** |
| 10 | Draining out of chilled water to certain level, cutting of main existing chilled water line of suitable area, jointing with new MS pipe of following size with proper welding, making the system completely leak proof, cleaning the surface properly, insulating the exposed surface to prevent any further condensation, filling of chilled water, air purging the system, testing, etc. complete as required. | | | | |
| 10.01 | 50 mm dia 'C' class with another 50 mm or 25 mm dia 'C' Class pipe | 2 | | Job | ***** |
| 11 | Supplying and fixing of 25 mm Automatic Air Purging valve with ball valve of same size in different locations as directed by the Engineer-in-charge. | 2 | | Each | ***** |
| | TOTAL | | | | |

***** Bidder shall not quote rate here.

J.E(E)

AEE (in charge AC Division)

J.E(E)

AEE (in charge AC Division)