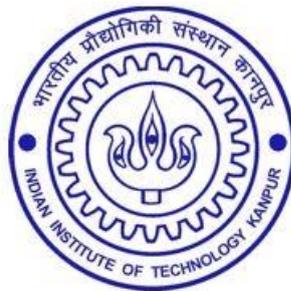


**Name of work**

**Comprehensive annual maintenance contract of  
water coolers installed in and around academic area  
at IIT Kanpur.**

*BID DOCUMENT*



OFFICE OF SUPERINTENDING ENGINEER,  
IWD INDIAN INSTITUTE OF TECHNOLOGY

KANPUR, FEBRUARY 2026

# Indian Institute of Technology Kanpur

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*It is certified that this document contains 62 pages starting with Page No. i*

Superintending Engineer

## 1 Notice Inviting e-Tenders

The Executive Engineer on behalf of Board of Governors of Indian Institute of Technology Kanpur invites online percentage rate tenders from eligible Air conditioning Contractors, satisfying the eligibility criteria mentioned in the document.

NIT No: **35/AC/SE/2026/285 dated 27.02.2026**

1	Name of work	: <b>Comprehensive annual maintenance contract of water coolers installed in and around academic area at IIT Kanpur.</b>
2	Estimated Cost inclusive of GST	: <b>Rs. 17,35,684/- (including GST)</b>
3	Earnest Money Deposit (Rs.)	: <b>Rs. 34,714/-</b> (In Favour of Director, IIT Kanpur)
4	Duration of contract	: Twelve (12) months
5	<b>Last Time &amp; date of submission of bids (Up to)</b>	: As per CPP portal data ( <a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a> )
6	<b>Opening of bids</b>	: As per CPP portal data
7	<b>Time allowed for submission of requisite documents by lowest bidder</b>	: Within <b>One week</b> of opening of financial 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 enroll / 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.

**Note: No manual bids will be accepted. All bids (both Technical & Financial) should be submitted in the e-procurement portal.**

Applicants are advised to keep visiting the above-mentioned websites from time to time (till the deadline for bid submission) for any updates in respect of the tender documents, if any. Failure to do so shall not absolve the applicant of his liabilities to submit the applications complete in all respect including updates thereof, if any. An incomplete application may be liable for rejection.

Superintending Engineer

## 2 Information and Instructions for Bidders for E-Tendering

The Executive Engineer on behalf of Board of Governors of Indian Institute of Technology Kanpur invites online percentage rate tenders from eligible Air conditioning Contractor, satisfying the eligibility criteria mentioned in the document..

### 2.1 Schedule

1	Name of organization	: Indian Institute of Technology Kanpur
2	NIT No	: 35/AC/SE/2026/285
3	Location	: Indian Institute of Technology Kanpur
4.	Tender / Quotation type (open / limited / EOI / auction / single)	: Open
5.	Tender / Quotation category (services / goods /works)	: Works
6.	Type of Contract (work / supply / auc- tion / service / buy / empanelment / sell)	: Works
7.	Form of contract (IITK-7/8)	: IITK-7
8.	Work Category (Electrical /Ac/Civil)	: AC
9.	Is multi-currency allowed?	: No
10.	Date of publishing / issue / start	: As per CPP portal
11.	Document download start date	: As per CPP portal
12.	Document download end date	: As per CPP portal
13.	Date & time of pre-bid meeting	: As per CPP portal
14.	Venue of pre-bid meeting	: As per CPP portal
15.	Last date & time of uploading of bids	: As per CPP portal
16.	Date & time of opening of Technical bids	: As per CPP portal
17.	Bid Validity Days	: 90 days after opening of technical bid
18.	Earnest Money Deposit (EMD)	: <b>Rs. 34714/-</b> . Scanned copy of the proof of EMD deposition to be uploaded with the tender. The hardcopy of the EMD receipt shall be submitted in the office of Superintending Engineer, IWD IIT Kanpur

19. Non- Refundable Processing Fee	NIL
20. No. of Bids / Covers (1 / 2 / 3 / 4)	: 2
21. Address for communication	: Office of Superintending Engineer IWD, Indian Institute of Techno- logy Kanpur, Kanpur, U.P. Pin - 208016, Tel: 0512-259-7059
22. e-mail address	: <a href="mailto:vktiware@iitk.ac.in">vktiware@iitk.ac.in</a> , <a href="mailto:seiwd@iitk.ac.in">seiwd@iitk.ac.in</a>

The intending bidder must read the terms and conditions of CPWD-6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.

1. Information and instructions for bidders posted on website shall form part of bid document.
2. The bid document consisting of drawings, specifications, schedule of quantities of items to be executed, schedule of stages for payment as applicable and the set of terms & conditions of the contract to be complied with and other necessary documents can be seen and downloaded free of cost from [www.eprocure.gov.in](http://www.eprocure.gov.in)
3. But the bid can only be submitted proof of submission of EMD.
4. Those contractors not registered on the website mentioned above, are required to get re- gistered beforehand. Only e-bids shall be accepted on website CPP portal through e- tendering processes.
5. The intending bidder must have valid Class-III digital signature to submit the bid.
6. On opening date, the contractor can login and see the bid opening process. After opening of bids, he will receive the competitor bid sheets.
7. Contractor can upload documents in the form of JPG format and PDF format.
8. Contractor must ensure to quote rate of each item. The column meant for quoting rate in figures appears in pink colour and the moment rate is entered, it turns sky blue.

In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0". Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (ZERO).

However, if a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above/below on the total amount of the tender or any section / sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.

9. The “Eligibility/technical Bid” shall be opened first on due date and time as per the evaluation scheme. The “Financial Bid” of bidders qualifying the technical bid shall be opened on a later date as to be announced in CPP portal.
10. The bidders are advised to visit the site before submission of bids to have more clarity about the site conditions and availability of space for execution of the work.
11. All modifications/addendums/corrigendum issued regarding this bidding process shall be uploaded on website only.
12. The department reserves the right to reject any or all bids without assigning any reason thereof and may restrict the list of qualified bidders to any number deemed suitable by it, if too many bids are received satisfying the minimum laid down criteria.
13. The rates for all items of work, shall unless clearly specified otherwise, include cost of all operations and all inputs of labour, material, T&P, scaffolding, wastages, watch and ward, other inputs, all incidental charges, all taxes, cess, duties, levies, etc. inclusive of GST required for execution of the work.
14. If the work involves addition/upgradation/alteration/renovation the work shall be in compliance with 3 Star GRIHA rating and as per environmental policies of Institute. Nothing extra shall be payable on this account.
15. The enlistment of the contractors, if applicable, should be valid on the last date of submission of bids. In case the last date of submission of bid is extended, the enlistment of contractor should be valid on the original date of submission of bids.
16. The description of the work is as follows: “**Comprehensive annual maintenance contract of water coolers installed in and around academic area at IIT Kanpur.**”
17. The work is estimated to cost **Rs. 17,35,684/-.(Including GST)**. However, this estimate given is mere approximation for guide.
18. Agreement shall be drawn with the successful bidders on prescribed Form No. CPWD 7 which is available as a Govt. of India Publication and also available on website [www.cpwd.gov.in](http://www.cpwd.gov.in). Bidders shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
19. The time allowed for carrying out the entire work will be Twelve (12) months from the date of start as defined in Schedule “F” or from the first date of handing over of the site, whichever is later, in accordance with the phasing as detailed in special conditions of contract in the bid document. It may be extended for 2nd & 3rd year provided the maintenance/operation is proper/satisfactory on the same rate, terms & conditions, which will be examined by a committee at the end of the year. However IIT Kanpur will not be bound to extend the period.
20. The contract shall be drawn initially for a period of 12 (Twelve) months and can be extended for two more years. However the Institute reserves the right to terminate and completely extinguish the service contract within this period from the date of commissioning. It will however issue 1 (one) month advance notice in writing of its intention to do so. The Institute reserves the right to appoint another agency for service contract from the date of termination

of contract.

21. The listed tools in BOQ will have to be provided within one month from the award of the contract.
22. The sites for the work will be handed over as per the special terms and conditions of the document.
23. An approved programme of completion submitted by the contractor after award of work based on the available / to be available works for addition/alteration/upgradation.
24. The bid document consisting of NIT, 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 [www.eprocure.gov.in](http://www.eprocure.gov.in) free of cost.
25. After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of bid as notified.
26. While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.
27. Earnest Money Deposit receipt scanned copy shall be uploaded to the e-Tendering website within period of submission.
28. Copy of Enlistment Order and other documents as specified in the bid shall be scanned and uploaded to the e-tendering website within the period of bid submission.
29. The bid submitted shall be opened at as per the details provided in the CPP portal at IWD office. The date of opening of Financial Bid shall be informed through web site after the opening of technical bid.
30. The bid submitted shall become invalid if:
  - (i) The bidder is found ineligible.
  - (ii) The bidder does not upload scanned copies of all the documents stipulated in the bid document.
  - (iii) If a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above/below on the total amount of the tender or any section / sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.
31. The contractor whose bid is accepted will be required to furnish performance guarantee of 5% of tendered value within the period specified in Schedule F. This guarantee shall be in the form of or Deposit at Call receipt of any scheduled bank/ Banker's cheque of any scheduled bank/ Demand Draft of any scheduled bank/ Pay order of any Scheduled Bank of any scheduled bank (in case guarantee amount is less than Rs. 1,00,000/-) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form.
32. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F' including the extended period if any, the contractor shall be suspended for two years and shall not be eligible to bid for IITK tenders from the date of issue of suspension order.
33. The contractor whose bid is accepted will also be required to furnish either copy of applicable

licenses/ registrations or proof of applying for obtaining licenses, registration with EPFO, ESIC and BOCW Welfare Board including Provident Fund Code No. If applicable and also ensure the compliance of afore said provisions by the sub-contractors, if any engaged by the contractor for the said work and program chart (Time and Progress) within the period specified in Schedule 'F'.

34. Intending Bidders are advised to inspect and examine the sites and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, making proper arrangements to the site for smooth operation, 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. Bidder shall be deemed to have full knowledge of the sites whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. **The bidder 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 Institute and local conditions and other factors having a bearing on the execution of the work.
35. Intending Bidders are advised to get familiarized with the specifications /rules related (i.e., Comprehensive annual maintenance contract of water coolers installed in and around academic area at IIT Kanpur..) to the work as approved by the competent authority and various policies related to c&d waste and other environmental guidelines of the institute pertaining to the. Bidder shall be deemed to have full knowledge of such rules and regulations whether he has read it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. In case of reduction of scope of work or no work is possible to carry out on account of such issues, no cost shall be payable to them. Submission of a bid by the bidder implies that he has read this notice and all other documents and has made himself aware of the Institute Regulations and other factors having a bearing on the execution of the work.
36. 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 assigning any reason. Bids in which any of the prescribed conditions is not fulfilled or any condition including that of conditional rebate is put forth by the bidders shall be summarily rejected.
37. Canvassing whether directly or indirectly, in connection with bids is strictly prohibited and the bids submitted by the bidders who resort to canvassing will be liable to rejection.
38. The competent authority on behalf of the Board of Governors reserves to himself the right of accepting the whole or any part of the bid and the bidders shall be bound to perform the same at the rate quoted.
39. The contractor shall not be permitted to bid for works in the Office of Infrastructure and Planning / Institute Works Department responsible for award and execution of contracts, in which his near relative is posted as Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive) in IWD and Office of Infrastructure and Planning. 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 Office of Infrastructure and Planning/ Institute Works Department. Any breach of

this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.

40. 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 is liable to be canceled 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.
41. The bids for the work shall remain open for acceptance for a period of Ninety (90) days from the date of opening of 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 Institute shall, without prejudice to any other right or remedy, be at liberty to suspend the bidder for one year
42. This notice inviting Bid shall form a part of the contract document. The successful bidders/contractor, on acceptance of his bid by the Accepting Authority shall within 7 days from the stipulated date of start of the work, sign the contract consisting of the Notice Inviting Bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto
43. Standard C.P.W.D. Form 7 or other Standard C.P.W.D. Form as applicable.
44. The bid document will include the following components:
  - (a) CPWD-7 and CPWD-6 including Schedule A to F for all the components of the work, Standard General Conditions of Contract for CPWD 2023 as amended/modified up to last date of submission of the bid.
  - (b) General / specific conditions, specifications applicable to all components of the work.
45. After acceptance of the bid by competent authority, Superintending Engineer issue letter of award on behalf of the Board of Governors to the contractor. After the work is awarded, the contractor will have to enter into one agreement with Superintending Engineer. One such signed set of agreement shall be handed over to Engineer-In- Charge.
46. The requirement of technical staff given in various specialized works is as per requirements given in clause 32 of NIT document. The actual deployment of these technical staff will be as per execution of work and direction of the Superintending Engineer, IITK. In case of non-deployment, a penalty of Rs. 25,000/- per month shall be levied from the contractor.
47. Running bill and final bill for components shall be facilitated by Engineer-in-Charge to the contractor.
48. The work shall be treated as complete when all the components of the work are complete.
49. It will be obligatory on the part of bidder to sign the contract document for all components before the first payment is released.
50. In case of reduction in scope of work no claim on account of reduction in value of work, loss of expected profit, consequential overheads etc. shall be entertained.

51. A team of officers from Indian Institute of Technology Kanpur may visit the office/ site of work of bidders for establishing their credibility and verification of submitted documents.
52. The work is urgent as requested by client/Institute and to be completed strictly in given time schedule as per special terms and conditions. The contractor has to deploy the labour and supervisory staff in shifts to meet the targeted completion date. The work may be executed in extended shifts or two shifts. The rates quoted by the contractor will be deemed to be inclusive of any extra expenditures on account of this reason. Nothing shall be paid on this account.
53. The competent authority on behalf of the Board of Governors reserves the right to terminate the contract if,
  - (a) Any violation of labour law has been observed.
  - (b) Any of the worker engaged in the works under this contract is found also engaged in other service contracts of the Institute at the same time.
54. The competent authority on behalf of the Board of Governors reserves the right to disqualify an agency for
  - (a) Non-compliance of Institute orders
  - (b) Violation of Institute policies as established by the Competent Authority in the best interests of the Institute.

### **a. Instructions for Online BID Submission**

This 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>

#### **2.2.1 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 the 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 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 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 user ID Password and the password of the DSC / eToken.

#### **2.2.2 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, organization 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 organization 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.

### **2.2.3 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.

### **2.2.4 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 tender document.
3. 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 colored [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).

4. 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.
5. 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.
6. The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
7. 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.
8. Add scanned PDF of all relevant documents in a single PDF file of compliance sheet.

### **2.2.5 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.

### **2.2.6 General instruction to 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 authorized certifying agencies, details of which are available in the website <https://eprocure.gov.in/eprocure/app> under the link "Information about DSC".

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

Executive Engineer,  
Institute Works Department

## **2.3 List of documents to be scanned and uploaded within the period of bid submission**

The following mandatory documents to be submitted with online bid submission:

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

### **2.3.1 Envelope - 1: Technical Bid**

The following mandatory documents to be provided as **a single PDF** file in the same sequence as listed for evaluation :

1. Scanned copy of EMD
2. GST Registration Certificate or GST Undertaking as per 5.1
3. EPF & ESI Registration
4. Copy of PAN card
5. Affidavit for not being blacklisted/debarred/restrained As per 5.2
6. Performance report of works executed as per 5.3
7. Structure and Organization of the Agency as per 5.4
8. Declaration on Details of the Bidder(s) as per 5.5
9. Details of Similar Nature of Works Completed as per 5.6
10. Declaration about Site Inspection as per 5.7
11. Enlistment Order of the Contractor in appropriate class and category issued by CPWD or others or specialized agencies
12. Tender Certificate as per 5.8
13. Tender Acceptance Letter as per 5.9
14. Letter of Transmittal as per 5.10
15. CPWD-7 as per 5.11
16. Turnover and Other Financial statement of the Agency as per 5.12
17. Solvency certificate as per 5.13 **Or** Scanned copy of Net Worth Certificate from certified Chartered Accountant as per 5.14

The hard copy of earnest money deposit receipt (EMD) shall be submitted in the office of Executive Engineer Elect & AC, Central office IWD IIT Kanpur before the opening of the technical bid on 12.03.2026 till 3:30 PM. In absence of the EMD in hardcopy, the bidder shall be not eligible for opening of their technical bid and shall be rejected..

### **2.3.2 Envelope - 2: Financial Bid**

Price bid should be submitted in BOQ format

### 3 Eligibility Criteria

#### 3.1 Eligibility criteria for contractors

Contractors who fulfill the following criteria shall be eligible to apply.

##### Eligible Bidders

Eligible bidders should satisfy the following criteria for an eligible bid:

##### 1. Average annual financial turn over:

i Average annual financial turnover of works should be at least 50% of the estimated cost of work put to tender during the last 3 consecutive financial years by the certified Chartered Accountant.

Audited turnover statements to be furnished as proof of the same duly certified by chartered accountant along with Profit & Loss Statements.

iii. Bankers Certificate- 40% of the estimated cost put to tender **Or** Net Worth Certificate - 10% of ECPT from certified Chartered Accountant as per 5.15

##### 2. Experience:

Firms/Contractors must have completed satisfactorily

i) One similar work of 80% value of the estimated cost put to tender

Or

ii) Two similar work of 60% value of the estimated cost put to tender

or

iii) Three similar work of 40% value of the estimated cost put to tender

Works completed during last 7 years ending on date **11.03.2026**.

And

One completed work of similar nature costing not less than the amount equal to 40% of the estimated cost put to tender with Central Government Department/ Central Autonomous Body/Central Public Sector Undertaking/ State Government Department

**Definition of similar work:** Similar type of work means “Annual maintenance work of DX type AC’s, i.e. Window AC/ Split AC/cassette AC /tower AC/Water cooler units and associated AC works”

The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum calculated from date of completion to previous day of last date of submission of bids

##### 3. Eligible bidders must also satisfy the following conditions and ensure submission of all documents mentioned in 2.3

1. **Legal:** Unregistered Partnership Firm and Joint Venture or Consortium are not eligible.
2. **Registration:** Bidder should be registered with the Income Tax Department, Employees Provident Fund (EPF) Organization, Employees State Insurance (ESI) Corporation & GST. Bidders are not eligible in absence of these documents.
3. **Office:** Bidders have to establish its local accessible office registered with local GSTIN at IIT Kanpur to run the awarded work.

## **4 Bid Evaluation and Award**

The following process will be followed for the Technical and Financial Bids Evaluation:

### **4.1 Technical Bid Evaluation**

- Technical bids received complete in all respects covering the entire scope of work, will only be opened
- The technical bid evaluation is done only for bidders who satisfy the minimum criteria by submitting documentary proof supporting eligibility criteria and the bids of agencies who have not submitted these documents/declarations are liable to be rejected without notice

### **4.2 Financial Bid Evaluation**

For financial bids, the following points shall be followed:

- After evaluation of Pre-Qualification Documents, a list of short listed agencies will be prepared.
- Thereafter the financial bids of only the qualified and technically acceptable bidders shall be opened at the notified time, date and place in the presence of the qualified bidders or their representatives, if present.
- The bid shall remain valid for Ninety (90) days from date of opening of eligibility bids/Technical bid.

### **NOTE**

The employer reserves the right, without being liable for any damages or obligation to inform the bidder, to:

- Amend the scope and value of contract to the bidder.
- Reject any or all the applications without assigning any reason.

Any effort on the part of the bidder or his agent to exercise influence or to pressurize the employer would result in rejection of his bid. Canvassing of any kind is prohibited.

## **5 Various Forms and Formats**

### **5.1 Undertaking regarding obtaining GST registration**

#### **Proforma for Undertaking regarding obtaining GST registration Certificate of The State in which work is to be taken up**

(Undertaking to be furnished on a 'Non-Judicial' stamp paper worth Rs.100/)  
(Scanned copy of this notarized undertaking to be uploaded at the time of submission of bid, if required)

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 IITK, 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 IITK or GST department in this regard.

.....  
(Signature of Bidder(s))

**Or**

.....  
(An authorized Officer of the firm with stamp)

.....  
(Signature of Notary with seal)

## 5.2 Affidavit for not being blacklisted/debarred/restrained

### **Proforma for AFFIDAVIT for not being blacklisted/debarred/restrained**

(AFFIDAVIT to be submitted on a 'Non-Judicial' stamp paper worth Rs.100/)

(Scanned copy of this notarized affidavit to be uploaded at the time of submission of bid)

I/we undertake and confirm that our firm/partnership firm has not been blacklisted and/or debarred/restrained by any Central Govt./ State Govt. Agency/ Autonomous body of the Central or State govt./ PSU etc. Further that, if such information comes to the notice of the Institute, then I/we shall be debarred for bidding in the Institute in future forever. Also, if such information comes to the notice of the Institute on any day before date of start of work, the competent authority shall be free to cancel the agreement and to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee.

.....  
(Signature of Bidder(s))

**Or**

.....  
(An authorized Officer of the firm with stamp)

.....  
(Signature of Notary with seal)

### **5.3 Performance report on work executed**

**Proforma of Performance report on works referred to in Financial Information**  
(To be printed in Company's Letterhead)

(Scanned copy of the Performance Reports to be uploaded at the time of submission of bid)

1. Name of work/project & location:
2. Agreement no.:
3. Estimated cost:
4. Tendered cost:
5. Date of start:
6. Date of completion:
7. Stipulated date of completion:
8. Actual date of completion:
9. Amount of compensation levied for delayed completion, if any:
10. Amount of reduced rate items, if any:
11. Performance Report:
  - (a) Quality of work: Outstanding / Very Good / Good /Poor
  - (b) Technical Proficiency: Outstanding / Very Good / Good /Poor
  - (c) Resourcefulness: Outstanding / Very Good / Good /Poor
  - (d) General Behavior: Outstanding / Very Good / Good /Poor

Date:

Signature of Superintending Engineer or Equivalent

## 5.4 Structure and Organization of the Agency

### **Proforma of providing Structure and Organization of the Bidding Agency**

(To be printed in Company's Letterhead)

(Scanned copy of the Structure and Organization Document to be uploaded at the time of submission of bid)

1. Name & address of the bidder:
2. Telephone no./Telex no./Fax no.:
3. Email address for Communication.:
4. Legal status of the bidder (attach copies of original document defining the legal status):
  - (a) An Individual:
  - (b) A proprietary firm:
  - (c) A firm in partnership:
  - (d) A limited company or Corporation:
5. Particulars of registration with various Government Bodies (attach attested photocopy)

#### **Organization / Place of Registration No.**

- 1.
- 2.
- 3.
6. Names and titles of Directors & Officers with designation to be concerned with this work.
7. Designation of individuals authorized to act for the organization
8. Has the bidder, or any constituent partner in case of partnership firm, ever been convicted by the court of law? If so, give details.
9. Any other information considered necessary but not included above.

(Signature of Bidder(s))

## 5.5 Declaration on Details of the Bidders

### Proforma of Declaration on Details of the Bidders

(To be printed in Company's Letterhead)

(Scanned copy of the Performance Reports to be uploaded at the time of submission of bid)

### 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.

Particulars of the bidder as per following details:

1	Name of the firm / organization	:	
2	Type of the firm / organization: Public Ltd. / Private Ltd. / Registered firm	:	
3	Registered address	:	
4	Address of office	:	
5	Contact people	:	
6	Name & Designation	:	
7	Landline & Mobile numbers	:	
8	E-mail IDs	:	
9	PAN No.	:	
10	GST No.	:	
11	EPFO Reg. No.	:	
12	ESIC Reg. No.	:	
13	Copy of EMD receipt with signature	:	
14	Has the applicant ever been required to suspend any project for a period of more than six months continuously after Commencement of work?	:	If so, give the name of the project and reasons of suspension of project
15	Has the applicant ever been convicted by a court of law?	:	YES / NO, If yes, give details of the case
16	Details of any litigation in which the applicant is/was involved.	:	
17	All forms submitted as desired in the bid	:	Yes / No

18 Undertaking regarding no subletting of :  
work

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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.

Date:

Signature of Bidder(s) with seal

## 5.6 Details of Similar Nature of Works Completed

### Proforma for submission of Details of Eligible Similar Nature of Works Completed\* during the Last Seven Years ending previous day of the last date of submission of tenders

The contractor needs to submit the supporting documents in the following tabular format:

Sr.No.	Name of work/project and location	Owner or sponsoring organization	Cost of work in crores of rupees	Date of commencement as per contract	Stipulated date of completion	Actual date of completion	Litigation / arbitration cases / progress with details*	Name and address/ telephone number of officers to whom reference maybe made	Whether the work was done on back to back basis Yes / No
1	2	3	4	5	6	7	8	9	10

\* Indicate gross amount claimed and amount awarded by the Arbitrator.

Date:

Signature(s) of Bidder with seal

## 5.7 Declaration About Site Inspection

### Declaration about Site Inspection

(By Bidder)

To

The Superintending Engineer

Subject: Submission of Tender for the work of “Comprehensive annual maintenance contract of water coolers installed in and around academic area at IIT Kanpur...”.

Dear Sir/Madam,

It is hereby declared that as per terms and conditions of this tender document, I/ We the bidder inspected and examined the subject site and its surrounding and satisfy myself / ourselves as to the nature of the ground and sub-soil (so far as is practicable), the forms and nature of the site./ ourselves before submitting the bid, the accommodation which may require and all necessary information as to risks, contingencies and other circumstances which may influence or affect our bid have been obtained. I/We the bidder shall have full knowledge of the site and no extra charge consequent upon any misunderstanding or otherwise shall be claimed in later date. I /We bidder shall be responsible for arranging and maintaining at 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 me/us implies that I / We have read this notice and all other contract documents and has made myself /ourselves aware of the scope and specifications of the work to be done and local conditions and other factors having a bearing on the execution of the work.

Sincerely

(Duly authorized signatory of the Bidder)

5.9 **Certificate for Tender**

(To be given on Company Letter Head)

Date: .....

To,  
Superintending Engineer  
IIT Kanpur-208016

Sub: Certificate of compliance as per Rule 144 (xi) GFR's 2017

Tender Reference No: .....

Name of Tender / Work: .....

1. "I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority. I hereby certify that this bidder fulfils all requirements in this regard and is eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached.]"
2. "I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries; I certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority and will not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority. I hereby certify that this bidder fulfills all the requirements in this regard and is eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached.]"

Yours Faithfully,

(Signature of the Bidder, with Official Seal)

## 5.10 Tender Acceptance Letter

(To be given on Company Letter Head)

To,  
Superintending Engineer  
IIT Kanpur-208016

Date: .....

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No: .....

Name of Tender / Work: .....

Dear Sir,

- 5.10.1 I / We have downloaded / obtained the tender document(s) for the above mentioned 'Tender/Work' from the web site(s) namely: .....as per your advertisement, given in the above mentioned website(s).
- 5.10.2 I / We hereby certify that I / we have read the entire terms and conditions of the tender documents from Page No..... to ..... (including all documents like annexure(s), schedule(s), etc .), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.
- 5.10.3 The corrigendum(s) issued from time to time by your department/ organisation too have also been taken into consideration, while submitting this acceptance letter.
- 5.10.4 I / We hereby unconditionally accept the tender conditions of above mentioned tender document(s) / corrigendum(s) in its totality / entirety.
- 5.10.5 I / We do hereby declare that our Firm has not been blacklisted/ debarred/ terminated/ banned by any Govt. Department/Public sector undertaking.
- 5.10.6 I / We certify that all information furnished by our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organization shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

(Signature of the Bidder, with Official Seal)

## 5.11 Letter of Transmittal

To

The Superintending Engineer  
Indian Institute of Technology Kanpur  
Kanpur, UP - 208016

Subject: Comprehensive annual maintenance contract of water coolers installed in and around academic area at IIT Kanpur.

Dear Sir/Madam

Having examined details given in Notice and bid document for the above work, I/we hereby submit the relevant information.

- 5.11.1 I/We hereby certify that all the statements made and information supplied in the enclosed forms and accompanying statement are true and correct.
- 5.11.2 I/we have furnished all information and details necessary for eligibility and have no further pertinent information to supply.
- 5.11.3 I/We also authorize the Executive Engineer, Indian Institute of Technology Kanpur or his representative(s) to approach individuals, employers, firms and corporation to verify our competence, work experience, and general reputation.
- 5.11.4 I/we submit the following certificates in support of our suitability, technical knowledge and capability for having successfully completed the following eligible completed works:

Sl. No.	Name of work	Amount	Certificate issued by
1.			
2.			
3.			
4.			

### CERTIFICATE

It is certified that the information given in the enclosed eligibility bid are correct. It is also certified that I/We shall be liable to be debarred, disqualified/ cancelation of enlistment in case any information furnished by me/us found to be incorrect.

Enclosures:

Date of submission:

Signature(s) of Bidder with seal

## **5.12 CPWD-7**

### **CPWD-7**

#### **PERCENTAGE RATE TENDER & CONTRACT FOR WORKS**

Tender for the “Comprehensive annual maintenance contract of water coolers installed in and around academic area at IIT Kanpur..”

- 5.12.1 To be uploaded as per details uploaded in CPP portal at [www.eprocure.gov](http://www.eprocure.gov)
- 5.12.2 To be opened in the presence of tenderers who may be present at the time of opening in the office of Executive Engineer, Institute Works Department IIT Kanpur.
- 5.12.3 The pre-qualification/Technical bid shall be opened first on due date and time as mentioned above. The time and date of opening of financial bid of contractors qualifying the technical bid shall be communicated to them at a later date.

#### **TENDER**

((To be signed in Company’s Letterhead))

I/We have read and examined the notice inviting tender, schedule, A, B, C, D, E & F Specifications applicable, Drawings & Designs, General Rules and Directions, General Conditions of Contract (For construction works) 2023, CPWD SOP 2024 corrected up to the last date of bid submission, CPWD works manual 2024 corrected up to the last date of bid submission and clauses of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the Board of Governors within the time specified in Schedule ‘F’ viz., schedule of quantities and in accordance in all respect with the specifications, designs, drawing and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of contract and with such materials as are provided for, by, and in respect of accordance with, such conditions so far as applicable.

We agree to keep the tender open for Ninety (90) days from the due date of its opening and not to make any modification in its terms and conditions.

A sum of Rs. 37,252/- is here by forwarded in receipt treasury challan/ Deposit as call receipt of a scheduled bank / Fixed deposit receipt of scheduled bank/ Demand draft of a scheduled bank/ bank guarantee issued by scheduled bank as earnest money deposit. If I/we, fail to furnish the prescribed performance guarantee or fail to commence the work within prescribed period, I/ we agree that the said Board of Governors, IIT Kanpur or his successors in office shall without prejudice to any other right or remedy to be at liberty to forfeit the said earnest money absolutely. Further, if I/we fail of commence the work as specified , I/we agree that Board of Governors , IIT Kanpur or his successor in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely, otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to the tender documents upon the terms & condition contained or referred to therein and to carry out such deviations as may be ordered, up to maximum of the percentage mentioned in schedule “F” and those in excess of that limit at the rates to be determined in accordance with the provision contained in clause 12.2 and 12.3 of the tender form.

Further, If I/we, withdraws tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department after the last date of submission of bids, then the Institute shall without prejudice to any other right or remedy, be at liberty to forfeit 100% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.

Further, I/we agree that in case of forfeiture of earnest money or both earnest money & performance guarantee as aforesaid, I/we shall be debarred for participation in the retendering process of the work.

**I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back-to-back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for tendering in Indian Institute of Technology Kanpur in future forever. Also, if such a violation comes to the notice of Indian Institute of Technology Kanpur before date of start of work, the Superintending Engineer shall be free to forfeit the entire amount of Performance Guarantee.**

I/We hereby declare that I/We shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived there from to any person other than a person to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the safety & integrity of IIT Kanpur

Date:

Signature(s) of Contractor(s) with seal

Address:

Occupation:

## 5.13 Financial Information

### Proforma for providing Financial Information

(Scanned copy of the completed information sheet to be uploaded at the time of submission of bid)

Financial Analysis: Details to be furnished duly supported by figures in balance sheet/ profit & loss account for the last three financial years duly certified by the Chartered Accountant, as submitted by the applicant to the Income Tax Department (Copies to be attached).

Financial Years	2022-23	2023-24	2024-25
<b>Gross Annual turnover</b>			
<b>Profit/Loss</b>			

.....  
Signature of Chartered Accountant with Seal

.....  
Signature of the bidders(s)

## 5.14 Banker's Certificate from a scheduled Bank

### *Proforma of Banker's Certificate (Solvency) from a Scheduled Bank*

(To be printed in Bank's Letterhead)

(Scanned copy of the Certificate to be uploaded at the time of submission of bid)

This is to certify that to the best of our knowledge and information that M/s./Sh..... having marginally noted address, a customer of our bank are/is respectable and can be treated as good for any engagement up to a limit of Rs ..... (Rupees ..... ). This certificate is issued without any guarantee or responsibility on the bank or any of the officers.

.....  
(Signature for the Bank)

#### NOTE:

1. Bankers certificates should be on letter head of the Bank, addressed to tendering authority.
2. In case of partnership firm, certificate should include names of all partners as recorded with the Bank.

**5.15 Net Worth Certificate by certified Chartered Accountant**

***Proforma of Net Worth Certificate by certified Chartered Accountant***

(To be printed in Letterhead of Chartered Accountant)

(Scanned copy of the Certificate to be uploaded at the time of submission of bid)

This is to certify that as per the audited Balance Sheet and Profit & Loss statement of the account during the financial year ....., the net worth of M/s./Sh.....(Name & Registered Address of individual/firm/company) as on 31.03.2025 is Rs. ....(Rupees. ....) after considering all liabilities.. It is further certified that the net worth of the company has not eroded by more than 30% in the last three years ending on 31.03.2025.

.....  
(Signature of the Chartered Accountant)

.....  
(Name of the Chartered Accountant)

.....  
(Membership No. of ICAI)

.....  
(Date & Seal)

## 6 Proforma of Schedules

### PROFORMA OF SCHEDULES

(Tender)

#### 6.1 SCHEDULE 'A': Schedule of Quantities

Schedule of Quantities : BOQ uploaded  
separately

#### 6.2 SCHEDULE 'B': Schedule of materials to be issued to the contractor

Schedule of materials to be issued to the contractor: NIL

#### 6.3 SCHEDULE 'C': Tools and plants to be hired to the contractor

Tools and plants to be hired to the contractor: NIL

#### 6.4 SCHEDULE 'D': Extra schedule for specific requirements/document for the work, if any

Extra schedule for specific requirements/document for the work, if any: NIL

#### 6.5 SCHEDULE 'E': Reference to General Conditions of Contract

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Reference to General Conditions of Contract	:	General Conditions of Contract 2024 for Construction Works & Maintenance work and as amended / modified up to the last date of submission of Bid.
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Name of Work	:	"Comprehensive annual maintenance contract of water coolers installed in and around academic area at IIT Kanpur...".
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Total Estimated cost of work	:	Rs. 1862597/-
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Earnest Money	:	Rs. 37252/-
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Performance Guarantee	:	5% of tendered value
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Security Deposit	:	2.5% of tendered value. It will be deducted from each bill on the respective billing amount. Same would be released after successful completion of One month defect liability period and clearance of all dues i.e. EPF, ESI & wages etc .
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#### 6.6 SCHEDULE 'F': General Rules and Directions

##### GENERAL RULES & DIRECTIONS:

Officer Inviting tender: Superintending Engineer, IWD

### 6.6.1 Definitions

1 Inviting Authority	:	Superintending Engineer, IWD
2(v) Engineer-in-Charge	:	Superintending Engineer
2(viii) Accepting Authority	:	DOIP/SE
2(x) Percentage on cost of materials and Labour to cover all overheads and profits	:	7.5%
2(xi) Standard Schedule of Rates	:	Current Minimum Central labour wages Rates central Govt. and market rate for other items.
2(xii) Department	:	Institute Works Department, IITKanpur
9(ii) Standard CPWD Contract Form	:	General Conditions of Contract 2024, SOPs 2024, CPWD Works manual 2024 updated till last date of tender submission CPWD Form 7 as amended / modified up to the last date of submission of Bid. The following condition pertains to GST of clause 37 & 38 of General Condition of contract and corresponding Amendments should be read as follows: a- The Quoted rates should be inclusive of GST..

### 6.6.2 Clauses

#### Clause 1

- i. Time allowed for submission of Performance Guarantee, Programme Chart (Time and Progress) and applicable labour licenses, registration with EPFO, ESIC and BOCW welfare board or proof of applying thereof from the date of issue of the letter of acceptance : **7 days**
- ii. Maximum allowable extension with late fee @ 0.1% per day of Performance Guarantee amount beyond the Period provided in (i) above : **7 days**

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**Clause 1A** : **Applicable. The Defect liability period shall be One month from the date of handing over of the assigned works to the user/Institute and clearance of all dues i.e. EPF, ESI & wages etc.**

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**Clause 2**  
Authority for fixing compensation : Dy. Director/Director, IIT Kanpur  
under Clause 2

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**Clause 2A**  
Whether Clause 2A shall be applic- : YES  
able

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<b>Clause 5</b>	:	
<b>(i):</b> Number of days from the date of issue of letter of acceptance for reckoning date of start	:	15 Days
<b>ii:</b> Milestones	:	Time allowed for execution of work alongwith the amount to be withheld in case of non-achievement of milestone are shown in Tables 6
<b>Clause 6:</b> Computerized Measurement Bill	:	<i>Applicable</i>
<b>Clause 7</b>	:	Not Applicable
<b>Clause 10A</b>	:	Applicable
<b>Clause 10B (ii)</b>	:	Not Applicable
<b>Clause 10B (iii)</b>	:	Not Applicable
<b>Clause 10C</b>	:	Not Applicable
<b>Clause 10CA</b>	:	Not Applicable
<b>Clause 10CC</b>	:	Not applicable
<b>Clause 11</b>	:	CPWD Specification 2019 Vol. I &II, and latest CPWD specifications of all E&M items, with correction Slips issued up to the last date of receipt of tenders (herein called CPWD Specifications also) and as per NIT for E&M works. Specifications to be followed for execution of Civil work and E&M works
<b>Clause 12: Type of work</b>	:	Original Work
<b>Clause 12.2 &amp; 12.3: Deviation limit beyond which clause 12.2 &amp; 12.3 shall apply for Building work</b>	:	Not Applicable
<b>Clause 16 Competent Authority for deciding reduced rates: For Civil items and For Electrical items of work</b>	:	As per Table 7
<b>Clause 17 - Defect liability period completion of contract whichever is later</b>	:	One month and those listed in Special Conditions of Contract
<b>Clause 18 - List of mandatory machinery, tools &amp; plants to be deployed by the contractor at site</b>	:	As per the scope of the work
<b>Clause 32 - Requirement of Technical Representative(s)</b>	:	As per Table 9

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*If the Contractor commits default in commencing the execution of the work as aforesaid, the performance guarantee shall be forfeited.*

Table 6: Major milestones of the project

Sl. No.	Description of Milestone (Physical)	Time allowed from date of start	Maximum Duration of work	Amount to be withheld in case of non-achievement of milestone(% of composite tendered amount)
1	Comprehensive annual maintenance contract of water coolers installed in and around academic area at IIT Kanpur.	12 Months	12 Months	1.0

---

The detailed program chart approved by the engineer-in-charge shall indicate how the resources will be deployed by the contractor to maintain desired progress and for the completion of the work within the specified period. If the submitted program is approved, the milestone shall be redefined accordingly by the Superintending Engineer, IWD Indian Institute of Technology Kanpur.

Time allowed for execution of work: Twelve (12) month

Table 7: Authority to decide

(i)	Extension of time (EOT)	:	SE, IIT Kanpur
(ii)	Rescheduling of milestones	:	Superintending Engineer, IWD, IIT Kanpur
(iii)	Shifting of date of start in case of delay in handing over of site	:	Superintending Engineer, IWD, IIT Kanpur

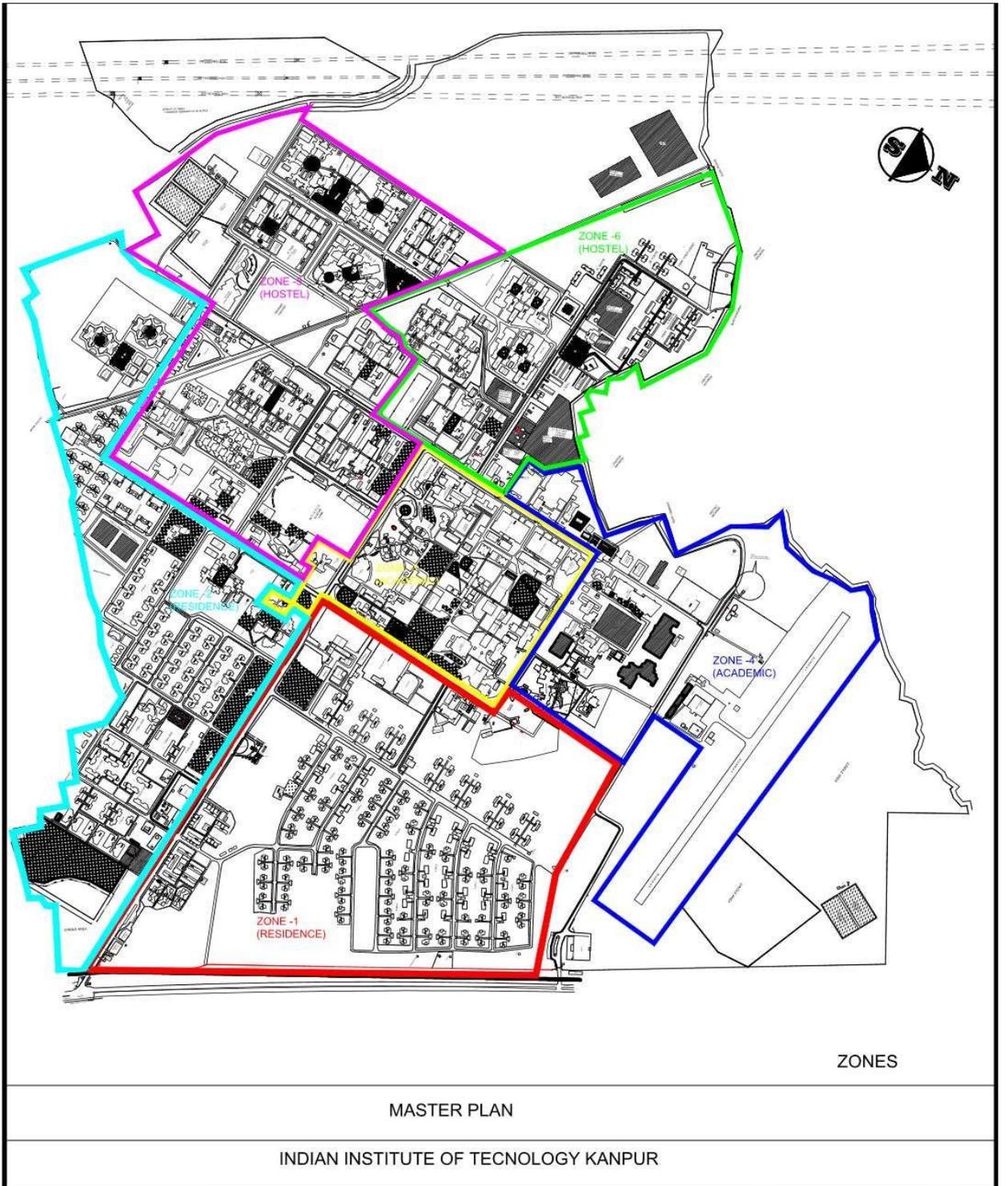
Table 8: Materials for which all India Wholesale Price Index to be followed

Sl.No	Material covered under this clause	Nearest Materials (other than cement, reinforcement bars and the structural steel) for which All India Wholesale Price Index to be followed	Base Price (with GST) of Materials, covered under clause 10 CA
	Portland Pozzolana		
1	Cement (PPC)/ Ordinary Pozzolana Cement	Nil	Nil
2	Steel for Reinforcement TMT Fe 500D Primary	Nil	
3	Manufacturer Structural Steel (Primary producers)	Nil	Nil

Table 9: Requirement of Technical staff as per Clause 32

Sl. No.	Qualification	Number	Minimum Experience in Year	Designation	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of Clause 32
1	Graduate/ Diploma (Electrical/ Mechanical)	1	5 Yrs	Project Planning/ Construction/ Quality/ Billing Engineer  (Elect/Mech)	Rs. 25000 (Rupees Fifteen Thousand only) per month, per person

Note: Project/Site Engineer for Electrical /AC work mentioned must be required from the beginning of the work to meet the date of handover of site as per special terms and conditions. The details of the appointed site engineers have to be verified and approved by Engineer-in- Charge.



## 7 Scope of work

### 7.1 Brief of the works

Comprehensive annual maintenance contract of water coolers installed in and around academic area at IIT Kanpur.... As specified in BOQ.

#### *Scope of work for comprehensive annual maintenance contract work:*

- 1.0 *The contract is for comprehensive annual maintenance contract work Water cooler..*
- 2.0 *The contractor shall engage the following labours in the Institute.*
- *Unskilled labour : 2 ( Two)*
  - *Semiskilled labour : 1 ( One)*
  - *Skilled labour/Supervisor : 2 ( Two)*
- 3.0 *The Technical Supervisor shall manage the air conditioning related complaints received from different departments telephonically and from Engineer Incharge.*
- i) *He shall prepare a docket, in prescribed Performa, for each complaint and allocate the work to the respective workers. The worker shall carry the docket/complaint details while attending the complaint.*
  - ii) *The distribution of complaints shall be done once in forenoon and once in afternoon. He has supervise the quality of work and ensure timely rectification of the complaints.*
  - iii) *The Technical Supervisor shall refer the complaint of major nature to the Engineer In Charge with details of the activity and material required to rectify the complaints.*
  - iv) *The Technical Supervisor shall supervise the repair work and liaison with the complaint, after distributing the complaint so as to ensure timely completion, good quality work and for securing user satisfaction.*
  - v) *He shall anticipate the requirement of materials for attending routine complaints, for a period of 1 (one) month at a time and submit the indent to the controlling officer for arranging the materials.*
  - vi) *The Technical Supervisor shall keep the materials in his safe custody under lock and key and personally ensure that the inventory is properly accounted for.*
  - vii) *The Technical Supervisor shall report to the controlling officer on all working days and work as per his instructions and guidance.*
  - viii) *The contractor shall engage only experienced and skilled worker to execute good quality work.*
  - ix) *The contractor shall be held responsible if there is unusually high quantum of wastage of materials. The Engineer in Charge shall determine the legitimate wastage and recover the cost of excess wastage if deemed necessary.*
  - x) *The Technical Supervisor shall ensure that the site of work is left clean and free of debris after the completion of work. Any complaint on this account from the user shall be viewed seriously.*
  - xi) *The complaint shall be attended on first come first serve basis.*

- xii) *The Technical Supervisor shall maintain up to date the complaint register, record of dockets, indent book and other records as may be required by the controlling officer. The maintenance of record shall not be kept pending beyond the weekend.*
- xiii) *The Competent Authority through SE/EE/ZIC, IWD shall have the right to assign any other duty or work at any other building, if so required under contingent circumstances.*
- xiv) *The contractor has to provide a dress code for all his workers.*
- xv) *Mechanism for checking and follow-ups of complaints in whole campus comprising of all zones covered under the contract, making records of breakdowns/complaints/rectification and reporting to ZIC*

#### **4.0 Definition of Terms:**

*In this contract (as hereinafter defined) the following workers and expressions shall have meanings hereby assign to them, except where the context requires otherwise.*

- 4.1 *The “**INSTITUTE**” shall mean Indian Institute of Technology, Kanpur (IITK) with its premises located at Kalyanpur, Kanpur- 208016 and shall include its authorized representatives, successors and assignees.*
- 4.2 *The “**CONTRACTOR**” shall mean the person or persons firm or company whose tender has been accepted by the Institute and includes the contractor’s legal representatives, his successors and permitted assignees.*
- 4.3 *The “**TENDER**” shall mean the proposal / offer along with supporting documents submitted by the tenderer for consideration by the Institute.*
- 4.4 *The “**TENDER DOCUMENTS**” shall mean the documents issued by the Institute to prospective tenderers, containing various terms and conditions, scope of work etc.*
- 4.5 *The “**ACCEPTANCE OF TENDER**” shall mean an official intimation from the Institute to successful tenderer to the effect that his / their tender has been accepted in accordance with the provisions contained therein.*
- 4.6 *The “**WORK**” shall mean all works and engagement of labour specified in the scope of work and qualified under general and special terms and conditions.*
- 4.7 *The “**CONTRACT**” shall mean the agreement between the Institute and the contractor, duly signed by the parties to the agreement, through their authorized representatives, for the execution of the work included in the tender document, letter of acceptance of tender, agreed variations to the tender documents if any. Schedule of rate and other relevant documents submitted by the contractor and as accepted by the Institute.*

*Superintending Engineer*

## **SPECIAL TERMS & CONDITIONS**

1. The quantities mentioned in this tender are and shall be deemed to be only approximate. The water coolers are 1 to 15 years & above old and their condition shall be taken in to consideration before quoting. However machines shall be handed over to the contractor in working condition only.
2. The water coolers shall be maintained for preventive maintenance and also shall be attended on “as and when required” basis. Replacement of all spare parts including compressor, condenser, fan motor, refrigerant gas, capacitors, thermostat etc. are included in the scope of work. The work is therefore for comprehensive maintenance including service and components. Defective compressors shall be got replaced with new compressor from approved make.
3. All machines shall be serviced four times in a year to clean the cooling coil, condenser, water tank by using acid, descaling compound, detergent powder and lubrication of fan motor etc. Minor fabrication, denting/ patching and painting work in water cooler body shall also be carried out during the wet cleaning. The tank of the water cooler must be cleaned at least once in two months.
4. Company shall place the services of at least 1 no. mechanic grade-1 & 1 no. Skilled(Supervisor), 1 (one) nos. mechanic grade-2 and 2 (two) helpers exclusively for this work, who shall report to the supervisor of contractor on 6 (six) days (except Sunday) throughout the year. Domestic A/c unit shall remain closed on gazetted holiday of Central Govt. of India.
5. Complaint in writing or any breakdown calls of water cooler shall be attended preferably on the same day but necessarily on the following day. If any complaint remains pending for more than two days, penalty shall be recovered from the rate @ Rs. 75/- day for each of default. The amount of penalty shall be recovered from monthly bills. Contractor shall be required to keep company repaired fan motors and other spare parts in ready stock for immediate replacement.
6. Water cooler having problem like “less cooling due to gas shortage” or “defective compressor” etc. (of which repairing at site in not possible) shall be taken to the workshop and returned duly repaired by next working day.
7. Contractor will have to routine check the working condition of water coolers once every fortnight. It will be the contractor’s responsibility to check the water storage tank clean at all times and it should be closed properly.
8. Complaints shall be received by the Institute Engineer who shall issue the job orders to the contractors. The orders shall be returned to domestic A/c unit on same day after the complaint is attended.
9. The contractor shall print the booklet of service records for each machine as per the proforma decided by Engineer In Charge just after the award of work. At the time of servicing the proforma has to be signed by the mechanic, certified by user and to be produced at the time of billing. The format of the service record shall be as mentionbed below :

**WATER COOLER MACHINE ANNUAL MAINTENANCE SERVICE RECORD SHEET**

( To be verified by the user )

Name of work:- Annual Maintenance Contract of Water cooler

Name of Contractor:- .....

Work Order /CA No. :- .....

Installed machine AMC no. :- .....

Location of machine: .....

Validity From: .....

No. of services	Date	Description of work done	Material used	Name & Sign. of Technician	Sign. of user.	Name and Contact No. of User	Remarks
Ist service		Dry service					
IInd service		Dry service					
IIIrd service		Wet service					

M/s ..... will provide all of the above services free of cost.

**Dry Service Means:-** Cleaning of water storage tank, cooling coil, condenser coil, fan blade, filters, removing dust of complete body by using air blower, checking thermostat, compressor, temperature, thimbles, connections etc., Replacement of defective parts, oiling & all cleaning of all other parts

**Wet Service Means:-** Cleaning of water storage tank, cooling coil, condenser coil, fan blade, filters and complete body by using liquid detergent soap, desclaning agent, oiling and greasing the fan motor, denting and painting of rusted portion, replacement of defective spare parts.

(Sign. of AMC contractor)

10. A printed water proof slip containing annual maintenance contract number of the machine & as specified by the Engineer-In-Charge has to be pasted on each AC just after award of the work as mentioned below :

**WATER COOLER AMC NO. -.....**  
**VALIDITY FROM -**  
**NAME OF CONTRACTOR --M/S**  
**COMPLAINT PHONE NOS. 7097,6749.....**  
**MOBILE NO:-.....**

11. Running monthly bill payment shall be made in the first week of the following month @ one twelve of quoted rates.
12. The contractor shall have to pay the wages to mechanic & labour as per central govt. notification approved by labour commissioner Ministry of labour, GOI from time to time. Any increase in the wages will be paid on submission of proof of payment.\_
13. The right to reject all or any of the tenders and to split up the work or relax any or all the above conditions without assigning any reason is within the full power of the Institute.
14. Subletting the work is strictly prohibited and also the operating staff shall maintain discipline and works ethics. However the institute shall have the right to ask any of maintenance staff to leave the premises of in the opinion of the institute the contract of such an employ is not the interest of the institute.
15. A list of all complaints and its day to day status shall be recorded in a register and these records shall be put up to the Engineer in charge on regular basis.
16. The qualification and experience of the staff shall be as under :-
  - a. :- Mechanic -ITI with 2-3 years experience in the similar field.
  - b. :- Helper -Literate preferably High School Pass.
17. Any other piece of work not specifically mentioned above but essential for the normal routine work & maintenance is also covered in the scope of work.
18. No person below the age of 18 (eighteen) years shall be employed on the work. Similarly no women staff shall be employed since the duty involves working in odd hrs.
19. Drinking liquor with in the Institute campus is strictly prohibited. Violation of this rule by the employees of the contractor shall render them liable for prosecution as per law and automatically disqualify them from deployment on the work
20. The contractor shall not pay to persons engaged by him on the work, less than minimum wages prescribed by labour commissioner (central), Kanpur from time to time. The current minimum wages applicable as per the central government chief labor commissioner ( C ) New Delhi (Office Order/GO No.1/6(3)/2025-LS-II Dated 28.03.2025) applicable to IIT Kanpur is as following:

<i>Description</i>	<i>Minimum Wage/day</i>
<i>Skilled</i>	<i>Rs. 981/-</i>
<i>Semiskilled</i>	<i>Rs. 893/-</i>
<i>Unskilled</i>	<i>Rs. 805/-</i>

21. The value of work shall be inclusive of the wages of the workers & supervisor, cost of tools and implements i/c contingent expenditure incidental to the work etc. Nothing extra shall be payable in addition to the monthly value of the contract except.
  - i) The difference in minimum wages applicable to the labour are revised by Govt. of India, subsequent to the date of submission of tender shall be paid by the contractor to the labour and reimbursed by the Institute on production of claim. The difference in minimum wages, with respect to the wages applicable in the month of Oct.2025 + 7.5% shall be reimbursed to the contractor.
  - ii) The contribution of EPF & ESIC by the contractor shall be reimbursed on production of the receipt of deposit of the same in the office of competent authorities. Administrative expenses

deposited by the contractor shall not be reimbursed.

iii) The contractor shall provide safety shoe, uniform and other safety items as reqd. etc. to all workers deployed in their team and the costing for the same has to be included in the tender.

22. Rates: The work shall be treated as on works contract basis and the rates tendered shall be for complete item of work and all charges for items contingent to the work, such as packing, forwarding, insurance, freight and delivery at site for the materials to be supplied by the contractor, watch and ward of all materials at the site, labour related expenses as per relevant labour laws, testing of materials/ samples etc. including Goods & Service tax (GST).

### ***Additional Conditions for Safety at the Work Site***

*The contractor will identify one of the supervisors for taking care of implementation of Safety systems.*

*The Contractor should follow the following General Guidelines governing the safety rules as laid down under :*

- 1. Smoking is strictly prohibited at workplace.*
- 2. Nobody is allowed to work without wearing safety helmet. Chinstrap of safety helmet shall be always on. Drivers, helpers and operators are no exception.*
- 3. No one is allowed to work at or more than three meters height without wearing safety belt and anchoring the lanyard of safety belt to firm support preferably at shoulder level.*
- 4. No one is allowed to work without adequate foot protection.*
- 5. Usage of eye protection equipment shall be ensured when workmen are engaged for grinding, chipping, welding and gas-cutting. For other jobs as and when site safety co-coordinator insists eye protection has to be provided.*
- 6. All safety appliances like Safety shoes, Safety helmet, Safety gloves, Safety belt, Safety goggles etc. shall be arranged before starting the job.*
- 7. All excavated pits shall be barricaded & barricading to be maintained till the backfilling is done. Safe approach to be ensured into every excavation.*
- 8. Adequate illumination at workplace shall be ensured before starting the job at night.*
- 9. All the dangerous moving parts of the portable / fixed machinery being used shall be adequately guarded.*
- 10. Ladders being used at site shall be adequately secured at bottom and top. Ladders shall not be used as work platforms.*
- 11. Material shall not be thrown from the height. If required, the area shall be barricaded and one person shall be posted outside the barricading for preventing the tre-passers from entering the area.*
- 12. Other than electricians no one is allowed to carry out electrical connections, repairs on electrical equipment or other jobs related thereto.*
- 13. All electrical connections shall be made using 3 or 4 core cables, having a earth wire.*
- 14. Inserting of bare wires for tapping the power from electrical sockets is completely prohibited.*
- 15. A tools and tackles inspection register must be maintained and updated regularly.*
- 16. Debris, scrap and other materials to be cleared from time to time from the workplace and at the time of closing of work everyday.*
- 17. All the unsafe conditions, unsafe acts identified by contractors, reported by site supervisors and / or safety personnel to be corrected on priority basis.*
- 18. No children shall be allowed to enter the workplace.*

19. *All the lifting tools and tackles shall be stored properly when not in use.*
20. *Clamps shall be used on Return cables to ensure proper earthing for welding works.*
21. *Return cables shall be used for earthing.*
22. *All the pressure gauges used in gas cutting apparatus shall be in good working condition.*
23. *Proper eye washing facilities shall be made in areas where chemicals are handled.*
24. *Connectors and hose clamps are used for making welding hose connections.*
25. *All underground cables for supplying construction power shall be routed using conduit pipes.*
26. *Spill trays shall be used to contain the oil spills while transferring / storing them.*
27. *Tapping of power by cutting electric cables in between must be avoided. Proper junction boxes must be used.*

*(Signature of Contractor)*

*Executive Engineer*

**List of approved Makes for HVAC Installation Works (as applicable).**

S. No.	Items	Makes
1	Air handling unit/ Treated Fresh Air Unit	System Air/Flaktwood/ Zeco/Edgetech
2	Exhaust Air Unit	System Air/Flaktwood/ Zeco/Edgetech/Zair
3	Blower	Nicotra/Comferi/ Kruger
4	Cooling coil	Zeco/Edgetech/ AHRI Certified
5	Hepa Filter	Thermadyne /Anfilco/ Dyna Air Filtration
6	Fan Coil Units	Cruise/Zeco/Edgetech/Kubic Midea/Trane
7	Duct (factory fabricated)	Rola Star / Techno Fabri-duct/Zeco/Ductofab
8	Water strainers (Y- strainer/pot strainer)	Emerald/Sant/DS Engineering / Advance/Maharaj castings
9	Proportional thermostat	Siemens /Honeywell/Johnson
10	3 Way Motorized/ Mixing / Diverting valves	Siemens /Honey-well/Johnson/Anergy/ Rapid Control/Danfoss
11	Pressure gauges for water line/Refrigerant	Emerald / Fiebeg/ H. Guru
12	Thermometers	Emerald/ Japsin
13	V-Belts	Fenner India/ Dunlop
14	Fibre glass wool	UP Twiga /Owens Corning
15	Nitrile Rubber insulation (Open/close cell) with specific- ation as per BOQ.	Armacell/ K-flex/ A-flex/ Supreme/Aerolam
16	Fire retardant flexible duct connection	Air flow / Twiga/ATCO/GP spira/caryaire
17	Gasket for ducts	Prima Kool / Nuprine
18	Anchor Fasteners	Hilti / Fischer
19	Extruded Aluminum grilles & diffusers Fresh air louvers/Dampers	Caryaire/ Ravi Star/ Air Flow/Air master/Titus/System air
20	Fire damper	Ravi Star/Air Flow/ Mapro/System air/Ruskin Titus/Greenheck
21	Duct attenuator	AirFlow/Ravi Star/ Contin-ental/Mahajan
22	Vibration isolators	Resistolex /Gerb / Base/ Dunlop
23	Motors	Siemens/Crompton/ABB/Bharat Bijlee
24	Fuse switch unit/switch fuse unit/HRC fuse	Larsen Toubro / Siemens / Schneider (MG)/Havells
25	Humidistat	Honeywell/Danfoss/Penn
26	Condenser/ Chiller	Trane/Carrier/York/Daikin
27	Polyurethane Foam (PUF)	Malanpur/ Lloyd /Best Opuf
28	Thermocole	Pioneer/Styrin
29	Chemical Reagent	Antiscalant/ Descalant / Antifungal Hibird / amacid/ Maic
30	VFD with sensors	ABB/DANFOSS/ Siemens
31	Cooling Tower	Paharpur/Mihir/ Flow air-tech Pvt.Ltd

		/Advance/Towertech
32	Cooling Tower PVC Fills	Paharpur/Mihir/As per Indian Standard
33	Window/Split Air conditioner/ Hi-wall split AC	Voltas/ Carrier/Panasonic/Blue star/ Toshiba/Daikin
34	Dosing pump	M/s Ion Exchange (I) Ltd/ Milton Royal
35	Tower AC units	Voltas/ Carrier/Panasonic/Blue star/ Toshiba/Daikin
36	Inverter VRF system	Voltas/ Carrier/Panasonic/Blue star/ Toshiba/Daikin/ Mitsubishi Electric
37	Hi wall type chilled water FCU	Cruise/Zeco/Edgetech/Kubic Midea/Trane
38	Wet scrubber	Zeco/Edgetech/Zair
39	Air washer (Evaporative cooling unit)	Carryaire/Zeco/Zair/Edgetech/Airflow
40	Pre-Insulated Pipe	Zeco/Sevenstar-aircon/AGS Engineering/Permapipe
41	VAV Boxes	Ruskin Titus/Honeywell/Trox/Trane/Johnson Controls/Tristar
42	Self-Cooled PAC server Rack	Schneider/Emersion/ Stulz/Vertiv
43	Victaulic coupling	Sevcon/Victaulic/Smith Copper
44	Dehumidifier	Bry-Air/Munters/Bri
45	PICV valve	Advance/Siemens/Denfoss/Honeywell
46	Axial Fans	Krugar/Nicotra/Comefri/Green Deck/Airflow
47	Spiral Flat Oval Duct (with GSS sheets of preferred make)	Dustech/GP spira/Spiral Tubes/Western air ducts/ Ductofab/Seven star
48	Silicone flexible duct connector	Easyflex/Airflow//Resistoflex/Dustech
49	Motorized butterfly valve/ Modulating Valve/Solenoid valve	Advance/Danfoss/Belimo/Johnson Control/Zoloto/Tyco/Victaulic/Honeywell
50	Expansion Bellow	Easyflex/Resistoflex/Cori
51	Fire rated vane Axial/Fire rated tube Axial/Vane Axial/Tube Axial Fan	Nicotra/Comferi/Kruger/Greenheck/Airflow/system air/Zair
52	Inline Fan	Nicotra/ Kruger/Greenheck/Airflow/system air
53	Propeller fan	Nicotra/ Kruger/Caryaire/Crompton/GE
54	Butterfly valve	Audco / Advance / C&R/Honeywell/ Kirloskar
55	Check Valve (Non return valve)	Audco/SKS/Advance/ Zoloto/ Honeywell
56	Balancing valve	Advance /Audco/ Honey- well/Danfoss
57	Centrifugal pump / Monobloc Pump	Grundfoss/Armstrong/Willo/Xylem
58	Water Softening Plant	Ion Exchange Ltd. / Milton Royal
59	Pressure switch	Indfoss / Honewell Indfoss / Honey- well
60	Bronze ball valve	Emerald/ Zolto / Leader/ Sant/Advance
61	Bronze ball valve with Y strainer	Emerald / Rapid control/ BAP/Advance
62	Suction guide	Anergy instrument Pvt.Ltd./Johnson
63	Water cooled screw chilling unit	Trane/Carrier/York/Daikin
64	Chemical reagent	Eco friendly bio clean pond clarifier/Volga
65	Sand filter	M/s Ion Exchange (I) Ltd / Pentair
66	Compressor	Emerson/Tecumsseh/Bohn/Danfoss

67	Cold room/Deep freezer	Danfoss/Blue Star/Bohn
68	Air-cooled ductable split/ceiling mounted Cassette type air-conditioning unit	Voltas/ Carrier/Panasonic/Blue star/ Toshiba/Daikin
69	PVC water tank	Syntex/ Polycon
70	Water Cooler/Drinking water Fountain	Blue Star/Usha/Sidwal/Voltas/Oasis
71	Control cables	CCI/ Fort Gloster/ Universal/ Incab/ Havells/KEI
72	Modular type Variable Refrigerant Flow/ Variable Refrigerant Volume air cooled Out- door units with specification as per BOQ	Voltas/ carrier/Panasonic/Blue star/Daikin/Mitsubishi Electric
73	High static pressure VRF/VRV ceiling mounted ductable type Indoor Unit with specification as per BOQ.	Voltas/ carrier/Panasonic/Blue star/Daikin/Mitsubishi Electric
74	Copper refrigerant piping with specification as per BOQ	Mandev/Rajco/ Maxflow
75	uPVC plumbing drain pipe with specification as per BOQ.	Supreme /Finolex
76	Fabricated GSS/GI Sheet with specification as per BOQ.	Jindal/Tata/SAI/Bhushan
77	80Amp, 4P, 300 Ma Weather proof RCB with specification as per BOQ.	L&T, Schneider, ABB
78	XLPE Class-O tubular insulation with specification as per BOQ.	Supreme / K-Flex/ A-Flex
79	PAC Unit with specification as per BOQ	Schneider (Uniflair)/StulzChspl (In- dia) Pvt.Ltd /Emerson Climate Technologies/ Bluebox/Vertiv
80	Electrical Panel with specification as per BOQ.	Siemens /L&T/Schneider / Le grand/Tecnic / ABB/ C&S/Neptune Milestone switchgear/Tricolite/ Excel/Morden switch gear/Adlec
81	Portable type dehumidifier with Specification as per BOQ.	White Westinghouse/Power Pye Electronics/Bryair/Munter
82	GI volume control duct damper with specification as per BOQ.	Airmaste Equipment Emirates/Omega/Airflow
83	Soft duct (Fabric Duct)	Duct Sox/Prihoda
84	Smoke cum fire damper (Bare Damper)	Dynacraft/Mapro/Servex/Ruskin
85	Smoke cum fire damper (Actuator)	Belimo/Joventa/Honeywell/Siemens

Any other item not covered in the above list shall be ISI marked and as approved by Engineer In Charge.

## **8.1 Quality and Workmanship**

- 8.1.1 The contractor shall be entirely responsible and answerable for all the works done by him regarding quality, adherence to the laid down specifications, terms and conditions, warranty/guarantee etc. and he shall be liable to bear any compensation that may be levied by the department under any of the clauses of the agreement.
- 8.1.2 The materials having ISI mark shall have precedence over the one conforming to IS Specifications.
- 8.1.3 The proposed is for Institute premises and quality of work is paramount importance. Contractor shall have to engage well experienced skilled labour and deploy modern T & Pand other equipment to execute the work.
- 8.1.4 It will be the responsibility of the contractor / bidder to ensure use of genuine materials in the work. The department reserves the right to get (any / all materials / components) inspected by the manufacturer or their authorized representatives at any stage of the execution of work. If any of the materials, supplied and used in work is found spurious at any stage, then the department reserves the right to ask the contractor to replace it by genuine one and make suitable recovery till it is done, even if any payment against that material is already made.
- 8.1.5 The contractor should get the make/TDS documents approved before procuring any material at site. The TDS/Make once approved shall not be changed without any valid recorded reasons. No material to be brought and used at site without the prior knowledge & approval of Engineer-in-Charge.
- 8.1.6 The department may ask for any valid document like manufacturer's test certificate, document for purchase of the material, document for import/shipment of imported materials etc. as deemed fit by the engineer-in-charge to ascertain genuineness of material supplied by/used in the work by the contractor. The contractor shall remain bound to submit all such documents to the department failing which payment may not be made or if already paid may be recovered/ withheld from subsequent running account payment.
- 8.1.7 All equipment and their components, and all the materials to be used in the work shall be suitable for the environmental conditions at the location of the work.
- 8.1.8 The contractor shall ensure quality control measures on different aspects of construction including materials, workmanship and correct construction methodologies to be adopted. He shall have to submit quality assurance programme within two weeks of the award of work. The quality assurance programme should include method statement for various items of work to be executed along with check lists to enforce quality control.
- 8.1.9 The contractor shall get the source of all other materials, not specified elsewhere in the document, approved from the Engineer-in-Charge. The contractor shall stick to the approved source unless it is absolutely unavoidable. Any change shall be done with the prior approval of the Engineer-in-Charge for which tests etc. shall be done by the contractor at his own cost. Similarly, the contractor shall submit brand/ make of various materials not specified in the agreement, to be used for the approval of the Engineer-in-Charge along with samples and once approved, he shall stick to it.
- 8.1.10 Other Laboratories: The contractor shall arrange carrying out of all tests required under the agreement through the laboratory as approved by the Engineer-in-Charge and shall bear all charges in connection therewith including fee for testing. The said cost of tests shall be borne by the contractor/department in the manner indicated below.

- 8.1.10.1 By the contractor, if the results show that the test does not conform to relevant CPWD Specifications / BIS code or specification mentioned elsewhere in the documents.
- 8.1.10.2 By the department, if the results conform to relevant CPWD Specifications / BIS code or specification mentioned elsewhere in the documents.

If the tests, which were to be conducted in the site laboratory, are conducted in other Laboratories for whatever the reasons, the cost of such tests shall be borne by the contractor.

- 8.1.11 Sample of building materials fittings and other articles required for execution of work shall be got approved from the Engineer-in-Charge. Articles manufactured by companies of repute and approved by the Engineer-in-Charge shall only be used. Articles bearing BIS certification mark shall be used in case the above are not available, the quality of samples brought by the contractor shall be judged by standards laid down in the relevant BIS specifications. All materials and articles brought by the contractor to the site for use shall conform to the samples approved by the Engineer-in-Charge which shall be preserved till the completion of the work.
- 8.1.12 The contractor shall ensure quality construction in a planned and time bound manner. Any sub-standard material/work beyond set out tolerance limit shall be summarily rejected by the Engineer-in-Charge.
- 8.1.13 BIS marked materials except otherwise specified shall be subjected to quality test at the discretion of the Engineer-in-Charge besides testing of other materials as per the specifications described for the item/materials. Wherever BIS marked materials are brought to the site of work, the contractor shall if required, by the Engineer-in-Charge furnish manufacturers test certificate or test certificate from approved testing laboratory to establish that the material produced by the contractor for incorporation in the work satisfies the provisions of BIS codes relevant to the material and/or the work done.
- 8.1.14 The contractor shall procure all the materials at least in advance so that there is sufficient time to testing and approving of the materials and clearance of the same before use in work.
- 8.1.15 All materials brought by the contractor for use in the work shall be got checked from the Engineer-in-Charge or his authorized representative of the work on receipt of the same at site before use.
- 8.1.16 The contractor shall be fully responsible for the safe custody of the materials issued to him even if the materials are in double lock and key system.

## **8.2 Natural calamity:**

No payment will be made to the contractor for any damage caused by rain, snow fall, floods, dampness, fire, sun or any other natural cause whatsoever during the execution of work. The damage to the work due to above reason, if any, shall have to be made good by the contractor at his own cost and no claim on this account shall be entertained.

## **8.3 Stocking and Disposal of Materials & Debris**

- 8.3.1 The contractor shall take instructions from the Engineer-in-Charge regarding collection and stacking of materials at any place. No excavated earth or building rubbish shall be stacked on areas where other buildings, roads, compound wall, services etc. are to be constructed.
- 8.3.2 After completion of work the agency shall remove materials and debris etc. from site as per the direction of Engineer-in-Charge, at no extra cost.
- 8.3.3 Contractor's job will also include removing of all malba and debris arising in the process of

painting including washing of floor to remove stains of paint, at no extra cost.

- 8.3.4 The contractor shall conduct work so as not to interfere with or hinder the progress or completion of the work being performed by other contractor(s) or by the Engineer-in-Charge and shall as far as possible arrange his work and shall place and dispose of the materials being used or removed so as not to interfere with the operations of other contractor or he shall arrange his work with that of the others in an acceptable and coordinated manner and shall perform it in proper sequence to the complete satisfaction of others.
- 8.3.5 For construction/renovation works which are likely to generate malba/rubbish to the tune of more than a tempo/truck load, contractor shall dispose of malba, rubbish & other unserviceable materials and wastes at their own cost to the notified/specified dumping ground and under no circumstances these shall be stacked/dumped, even temporarily outside the construction premises.
- 8.3.6 Dismantled but useful materials/components/equipment, if any, should be returned to the Institute as per the direction of Engineer-in-Charge.

#### **8.4 Safety and Security**

- 8.4.1 The contractor has to follow all safety norms as laid down in National Building Code of India. All the workers shall be equipped with the required safety gadgets while working at site such as ISI marked helmets, Shoes and safety belts, gumboots, gloves etc.
- 8.4.2 The contractor, the authorized representative(s), workmen etc., shall strictly observe orders pertaining to fire precautions prevailing in the area.
- 8.4.3 The contractor shall be fully responsible for the safe custody of materials brought by him/ issued to him even though the materials may be under double lock key system.

- 8.4.4 Contractor will arrange proper metal ladders, M.S. double scaffolding (for working, painting, etc. at higher levels) at his own cost and will take all safety measures like double harness safety belt, mechanized electrically operated platform etc. If it is observed that work is proceeding without adequate safety precautions, work may be stopped by Engineer-in-charge and in such cases, contractor will be solely responsible for delay and its consequences thereof.
- 8.4.5 The contractor shall be responsible for the watch and ward/guard of the buildings, safety of all fittings and fixtures including sanitary and water supply fittings and fixtures provided by him against pilferage and breakage during the period of installations and thereafter till the building is physically handed over to the department. No extra payment shall be made on this account.
- 8.4.6 The contractor shall take all precautions to avoid accidents by exhibiting necessary caution boards day and night speed limit boards red flags, red lights and providing barriers. He shall be responsible for all dangers and incidents caused to existing / new work due to negligence on his part. No hindrances shall be caused to traffic during the execution of the work.
- 8.4.7 It shall be ensured by the contractor that no electric live wire is left exposed or unattended to avoid any accidents in this regard.
- 8.4.8 The Institute shall not have any responsibility or liability in case of any accident injury to the personnel to the contractor at work site or to the general public at the work site due to mishandling equipment by the personnel of the contractor or any other similar reason. The responsibilities and liabilities for such accidents and incidents shall be borne by the contractor.

## **8.5 Approach to Site**

- 8.5.1 The tenderer shall see the approaches to the site. In case any approach from main road is required at site or existing approach is to be improved and maintained for cartage of materials by the contractor, the same shall be provided, improved and maintained by the contractor at his own cost.
- 8.5.2 Contractor shall take all precautionary measures to avoid any damage to adjoining property. All necessary arrangement shall be made at his own cost.

## **8.6 Water and Flooding**

- 8.6.1 The contractor shall have to arrange water of desirable quality for the construction purpose for which he may have to install water purifier at site or might have to bring/ purchase water from outside as per decision of Engineer-in-charge. Nothing extra shall be paid on this account.
- 8.6.2 For works below ground level the contractor shall keep that area free from water. If dewatering or bailing out of water is required the contractor shall do it and nothing extra shall be paid except otherwise provided in the items of schedule of quantities.
- 8.6.3 In case of flooding of site on account of rain or any other cause and any consequent damage, whatsoever, no claim financially or otherwise shall be entertained notwithstanding any other provisions elsewhere in the contract agreement. Also, the Contractor shall make good, at his own cost, the damages caused, if any.

- 8.6.4 The water charges (for water connection as well as tanker water) shall be borne by the contractor. Also, if the contractor obtains water connection for the drinking purposes from the Institute or any other statutory body, the consequent sewerage charges shall be borne by the contractor.

## **8.7 Acts and Laws**

- 8.7.1 The Contractor shall keep himself fully informed of all acts and laws of the Central & State Governments, all orders, decrees of statutory bodies, tribunals having any jurisdiction or authority, which in any manner may affect those engaged or employed and anything related to carrying out the work. All the rules & regulations and bye-laws laid down by Collector / MC etc. and any other statutory bodies shall be adhered to, by the contractor, during the execution of work.
- 8.7.2 The Contractor shall also adhere to all traffic restrictions notified by the local authorities.
- 8.7.3 All statutory taxes, levies, charges (including water and sewerage charges, charges for temporary service connections and / or any other charges, as applicable) payable to such authorities for carrying out the work, shall be borne by the Contractor.
- 8.7.4 The Contractor shall arrange to give all notices as required by any statutory / regulatory authority and shall pay to such authority all the fees that is required to be paid for the execution of work. He shall protect and indemnify the Institute and its officials & employees against any claim and /or liability arising out of violations of any such laws, ordinances, orders, decrees, by himself/herself or by his/her employees or his/her authorized representatives. Nothing extra shall be payable on these accounts.
- 8.7.5 The fee payable to statutory authorities for obtaining the various permanent service shall be borne by the Institute.

## **8.8 Labour and Laws**

- 8.8.1 The Contractor shall display all permissions, licenses, registration certificates, bar charts, other statements etc. under various labour laws and other regulations applicable to the works, at his site office.
- 8.8.2 Huts for labour are not permitted within the premises of the Institute. No extra cost shall be payable even if the contractor provides such accommodation at a place as is acceptable to the local body.

## **8.9 Nondisclosure Agreement**

- 8.9.1 The Agency shall take all precautions not to disclose, divulge and/or disseminate to any third party any confidential information, proprietary information on the Institute business or security arrangements (including but not limited to the Assignment instructions, Schedules and other subsequent Arrangements) and/or business of the Institute. The obligation is not limited to any Scope and the Agency shall be held responsible in case of breach of the confidentiality of Institute's information.
- 8.9.2 If the Agency receives enquiries from Press/Media/Radio/Television or other bodies/persons, the same shall be referred by the Agency to Institute immediately on receipt of such queries.

## **8.10 Indemnification:**

- 8.10.1 The agency shall be directly responsible to indemnify the Institute against all charges, dues, claims, etc. arising out of the disputes relating to the dues and employment of the personnel deployed and further for any claim/compensation against all damages and accidents caused due to negligence on the part of the agents, employees and other personnel of the agency.
- 8.10.2 That the contractor shall keep the IITK indemnified against all claims whatsoever in respect of the employees deployed by the contractor. In case any employee of the contractor so deployed enters in dispute of any nature whatsoever, it will be the primary responsibility of the contractor to contest the same. In case IITK is made party and is supposed to contest the case, IITK will be reimbursed for the actual expenses incurred towards Counsel Fee and other expenses which shall be paid in advance by the Contractor to IITK on demand. Further, the contractor shall ensure that no financial or Any other liability comes on IITK in this respect of any nature whatsoever and shall keep IITK indemnified in this respect.

## **8.11 Force Majeure:**

If at any time, during the continuance of this contract, the performance in whole or in part by either party of any obligation under this contract is prevented or delayed by reasons of any war, hostility, acts of public enemy, civil commotion, sabotage, fires, floods, explosion, epidemics quarantine restriction, strikes, lockouts or acts of god (hereinafter referred to as events) provided notice of happenings of any such event, is served by party seeking concession to the other as soon as practicable, but within 21 days from the date of occurrence and termination thereof. Provided the Party satisfies Institute adequately of the measures taken by it. Neither party shall, by reason of such event, be entitled to terminate this contract, nor shall either party have any claim for damages against the other in respect of such non-performance or delay in performance. Further, the services under the contract shall be resumed as soon as practicable after such event has come to an end or ceased to exist and the decision of Institute as to whether the services have to resume or not shall be final and conclusive, provided further, that if the performance in whole or in part of any obligation under this contract is prevented or delayed by reason of any such event for a period exceeding 60 days, Institute may at his option, terminate the contract.

## **8.12 Dispute resolution**

- 8.12.1 The institute reserves the right to amend rules whenever and wherever considered necessary and appropriate. The same shall be intimated to the agency in due course.
- 8.12.2 Any dispute arising out of and in relation to this agreement shall be referred to the arbitration by sole arbitrator to be appointed by Director of the Institute. The arbitration would be conducted and governed by and under the provisions of Arbitration Act, 1996 and its amendments. Any legal dispute will be subject to jurisdiction of Kanpur Courts only and no other court shall have the jurisdiction.
- 8.12.3 Any dispute arising out of and in relation to this agreement shall be referred to the arbitration by sole arbitrator to be appointed by Director of the Institute. The arbitration would be conducted and governed by and under the provisions of Arbitration Act, 1996. Any legal dispute will be subject to jurisdiction of Kanpur Courts only and no other court shall have the jurisdiction.

### **8.13 Arbitration**

- 8.13.1 Except as otherwise provided anywhere in this Agreement, if any dispute, difference, the question of disagreement or matter, whatsoever, arises between the parties, as to the meaning, operation or effect of the Agreement or out of or relating to the Agreement or breach thereof, the same shall be referred to a Sole Arbitrator, to be appointment by the Director of the Institute at the time of the dispute.
- 8.13.2 If the Arbitrator, to whom the matter is originally referred, dies or refuses to act or resigns for any reasons from the position of arbitration, it shall be lawful for the Director of the Institute to appoint another person to act as Arbitrator in the manner aforesaid. Such person shall be entitled to proceed with the reference from the stage at which it was left by its predecessor, provided both the parties consent to this effect, failing which, the arbitrator shall be entitled to proceed on the matter de- novo.
- 8.13.3 It is a term of the Agreement that the party invoking the arbitration shall specify all disputes to be referred to arbitration at the time of invocation of arbitration under the clause.
- 8.13.4 It is a term of the contract that the cost of arbitration shall be borne by the parties themselves.
- 8.13.5 The place of the arbitration shall be Kanpur Nagar, Uttar Pradesh, India.
- 8.13.6 Subject as aforesaid, the provisions of the Arbitration and Conciliation Act, 1996 and any statutory modifications, amendments or re-enactment thereof and rules made thereunder and for the time being in force, shall apply to the arbitration proceeding under this clause.
- 8.13.7 Except as otherwise provided anywhere in this Agreement, the Arbitration proceedings shall be conducted in English and the Agreement shall be constructed, interpreted and governed by the law of India, for the time being in force.

### **8.14 Jurisdiction of Courts**

The court(s) at Kanpur Nagar, Uttar Pradesh, shall have the exclusive jurisdiction to try any as all the disputes(s) between the parties arising out this Agreement.

## 8.15 Other Terms & conditions

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

- a) Schedule of quantities
- b) Technical specifications of the NIT
- c) Approved Drawing (If any)
- d) CPWD General specification Part – I (Internal) 2014, BIS Codes amended up to date, practices
- e) CPWD General Specifications for Electrical Works–Part-II(External), 2014 amended up to date.
- f) Relevant IS or other international code in case IS code is not available.
- g) Indian Electricity Act 2003 and Indian Electricity Rules 1956 amended up to date.
- h) Local Fire Regulations applicable at the place of installation. Relevant and applicable foreign standards and specifications amended up to date.
- i) Any other relevant act or rules and local by-laws.

- 7 contractor will identify one of the supervisors for taking care of implementation of Safety systems.
- 8 Smoking is strictly prohibited at workplace.
- 9 Nobody is allowed to work without wearing safety helmet. Chinstrap of safety helmet shall be always on. Drivers, helpers and operators are no exception.
- 10 No one is allowed to work at or more than three meters height without wearing safety belt and anchoring the lanyard of safety belt to firm support preferably at shoulder level.
- 11 No one is allowed to work without adequate foot protection.
- 12 Usage of eye protection equipment shall be ensured when workmen are engaged for grinding, chipping, welding and gas-cutting. For other jobs as and when site safety co-coordinator insists eye protection has to be provided.
- 13 All safety appliances like Safety shoes, Safety gloves, Safety helmet, Safety belt, Safety goggles etc. shall be arranged before starting the job. .
- 14 All excavated pits shall be barricaded & barricading to be maintained till the backfilling is done. Safe approach to be ensured into every excavation.
- 15 Adequate illumination at workplace shall be ensured before starting the job at night.
- 16 All the dangerous moving parts of the portable / fixed machinery being used shall be adequately guarded.
- 17 Ladders being used at site shall be adequately secured at bottom and top. Ladders shall not be used as work platforms.
- 18 Material shall not be thrown from the height. If required, the area shall be barricaded and one person shall be posted outside the barricading for preventing the trespassers from entering the area.

- 19 Other than electricians no one is allowed to carry out electrical connections, repairs on electrical equipment or other jobs related thereto.
- 20 All electrical connections shall be made using 3 or 5 core cables, having a earth wire.
- 21 Inserting of bare wires for tapping the power from electrical sockets is completely prohibited.
- 22 A tools and tackles inspection register must be maintained and updated regularly.
- 23 Debris, scrap and other materials to be cleared from time to time from the workplace and at the time of closing of work every day.
- 24 All the unsafe conditions, unsafe acts identified by contractors, reported by site supervisors and / or safety personnel to be corrected on priority basis.
- 25 No children shall be allowed to enter the workplace.
- 26 All the lifting tools and tackles shall be stored properly when not in use.
- 27 Clamps shall be used on Return cables to ensure proper earthing for welding works.
- 28 Return cables shall be used for earthing.
- 29 All the pressure gauges used in gas cutting apparatus shall be in good working condition.
- 30 Proper eye washing facilities shall be made in areas where chemicals are handled.
- 31 Connectors and hose clamps are used for making welding hose connections.
- 32 All underground cables for supplying construction power shall be routed using conduit pipes.
- 33 Spill trays shall be used to contain the oil spills while transferring / storing them.
- 34 Tapping of power by cutting electric cables in between must be avoided. Proper junction boxes must be used.
- 35 All the E&M works shall be carried out as per direction and to the satisfaction of the Engineer-in-charge.
- 36 If the specifications for any item or its component are not available in the CPWD specifications cited above, relevant BIS specification as amended up to date shall be followed, whether or not the specific reference of a particular BIS specification has been made in this specification/ tender document.
- 37 Wherever any reference to any Indian Standard specification occurs in the document relating to this contract the same shall be inclusive of all amendments issued there to or revisions thereof, if any, up to the date of opening of tenders.
- 38 All materials should conform to relevant BIS specifications wherever the same exists in absence of stipulation in this tender document.
- 39 Where manufacturers furnish specific instructions / recommendations relating to the materials used in this job and/or their installation, covering points not specifically mentioned in these documents, these instructions shall be followed in all cases and shall be deemed to be included in the schedule of work whether they have been specifically mentioned or not All chase cuttings in the wall, for recessed conduits & boxes and drilling the holes shall be done with power operated machines only. No chase shall be allowed to be cut manually with the use of hammer & chisel.
- 40 All cuttings in cement plaster and brick shall be made good by using cement mortar 1:3 (1 part cement, 3-part coarse sand) The cut surfaces shall be repaired by an experienced mason only so as to match the repaired plaster with the original. All such repaired surfaces shall be cured for 3 to 4 days to keep the surfaces wet, using water spray machine (hand/motor operated) and avoid unnecessary flooding of the area.
- 41 The structural and architectural drawings shall at all times be properly co-related before executing

any work.

- 42 For the purpose of recording measurements and preparing running account bills, the abbreviated nomenclature indicated in the publications Abbreviated Nomenclature of Items of DSR 2022 shall be accepted. The abbreviated nomenclature shall be taken to cover all the materials and operations as per the complete nomenclature of the relevant items in the agreement and relevant specifications. In case of items for which abbreviated nomenclature is not available in the aforesaid publication and also in case of extra and substituted items for which abbreviated nomenclature are not provided for in the agreement, full nomenclature of item shall be reproduced in the measurement books and bill forms for running account bills. For the final bill, however, full nomenclature of all the items shall be adopted in preparing abstract in the electronic measurement books and in the bill forms.
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