

**INDIAN INSTITUTE OF TECHNOLOGY JODHPUR
NH-62 NAGAU ROAD KARWAR JODHPUR**

Index of Tender documents

Sr. No.	DETAILS	PAGE NO.
1.	Index	1-1
2.	Tender Notice with Performa for Earnest Money Deposit Declaration	2-5
3.	Form "F"	6 - 6
4.	Terms & condition including IITJ/CPWD Form 7/8	7-28
5.	Proforma of schedules A, B, C, D, E & F	29-33
6.	Bank Guarantee Bond	34-34
7.	Additional Terms and Conditions	35-38
8.	Make list	39-39
9.	Schedule of Quantities	40-50
10.	Price Bid	51-51

This tender document contains pages One to Fifty-One Only.

NIT Amounting to Rs. 1,17,25,078.00 (Rupees One Crore Seventeen Lakh Twenty-Five Thousand Seventy-Eight Only)

Superintending Engineer
IIT Jodhpur

NOTICE INVITING E-TENDERS

Superintending Engineer, Indian Institute of Technology Jodhpur invites online **Percentage Rate Tender** from Firms/ Contractors for the following work:

1. NIT No : IITJ/OIE/2026-27/26
2. Name of Work : Annual, Repair and Maintenance of Heat Ventilation and Air Conditioning (HVAC) system of IIT Jodhpur.
3. Sub Head : HVAC Work.
4. Estimated cost : Rs. 1,17,25,078.00
5. Earnest money : Rs. 2,34,502.00
6. Tender Fee : Rs. 1000.00
7. Period of completion : 01 Year.
8. Last time & date of submission of bid: 04/08/2026 up to 3:00 pm (on line)

The bid forms and other details can be obtained from the website <http://www.iitj.ac.in> or <http://eprocure.gov.in/eprocure/app> free of cost. For more clarification you may visit on above website.

Superintending Engineer
IIT Jodhpur

Copy to: -

1. DOIP
2. ADAO
3. Assistant Executive Engineer (Electrical-I)
4. AR (Accounts)
5. Office Copy

INDIAN INSTITUTE OF TECHNOLOGY JODHPUR
NH-62 NAGAU ROAD KARWAR JODHPUR

INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR e-TENDERING (Tender Notice)

Superintending Engineer, IIT Jodhpur invite online **Percentage Rate Tender** on two bid systems through CPP Portal from Firms/ Contractors for the following work:

S. No.	NIT No.	Name of Work	Estimated Cost (in Rs.)	Earnest Money (in Rs.)	Tender Fees (in Rs.)	Time for completion
1	IITJ/OIE/2026-27/26	Annual, Repair and Maintenance of Heat Ventilation and Air Conditioning (HVAC) system of IIT Jodhpur Sub Head: - HVAC Work	Rs. 1,17,25,078.00	Rs. 2,34,502.00	Rs. 1000/-	01 Year.

Last date and time of submission of financial & Technical bid :- 04/08/2026 upto 3:00 pm (on line)

Date and time of opening of Online Technical bid :- 05/08/2026 at 3:00 pm

Price/Financial bids of eligible bidders as per NIT shall be opened at a later date after scrutiny of technical bids.

- The successful bidders shall be required to submit a performance guarantee in the form of Bank Guarantee or F.D.R. from a Nationalized/Scheduled Bank within 07 days of issue of letter of intent before award of work. In case the contractor is failed to deposit the performance guarantee within the specified period, full earnest money will be forfeited, and the tender shall be treated as void. The performance guarantee shall be initially valid up to the stipulated date of completion plus 06 months beyond. The performance guarantee shall be:

(a) 5% of tendered value or Estimated Cost Put to Tender (ECPT) (whichever is higher).

(b) Where the tendered amount is less than eighty percent (80%) of the Estimated Cost Put to Tender (ECPT), the Performance Guarantee, in addition to the requirement under (a) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount.

- Contractors who fulfill the following requirements shall be eligible to apply. Joint ventures are not accepted.

Firms/contractors must have completed similar works satisfactorily under Government organization/ Public Sector Undertaking / Autonomous bodies only.

- One similar single HVAC work amounting to Rs. 93,80,063.00

Or

- Two similar HVAC work and each single work amounting to Rs. 70,35,047.00

Or

- Three similar HVAC work and each single work amounting to Rs. 46,90,032.00

Works completed during last 7 years ending on 30.06.2026.

iv) **Earnest money and Tender fee** in the form of Demand Draft or pay order or Banker's Cheque or Deposit at Call Receipt (drawn in favour of Director IIT Jodhpur,) as specified of any scheduled / Nationalized Bank or online payment through RTGS/NEFT as **per details given in the NIT**.

3. The intending bidder must read the terms and conditions of IITJ/CPWD-6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
4. No exemption for submission of EMD/experience of work shall be allowed for MSME.
5. No relaxation in EMD will be allowed for MSME and MSEs as per CPWD works manual.
6. Information and Instructions for bidders posted on website shall form part of bid document.
7. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website <http://eprocure.gov.in/eprocure/app> in free of cost.
8. **Completion certificates issued by an officer not below the rank of Executive Engineer or equivalent level shall be considered.**
 - **Similar work means "HVAC work".**
9. The value of executed work shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum calculated from the date of completion to last date of submission of financial bid.
10. IIT Jodhpur is committed to follow the principle of transparency, equity and competitiveness in public procurement. Before submission of bid each bid should sign integrity pact at respective places and submit the bid, if duly signed integrity pact is not submitted by bidder such bid shall not be considered.
11. Those contractors not registered on CPP Portal are required to get registered beforehand. If needed they can be imparted training on online bidding process as per details available on the website
12. The intending bidder must have valid class-III digital signature to submit the bid.
13. On opening date, the contractor can login and see the bid opening process. After opening the bids, he will receive the competitor's bid sheets.
14. Contractors can upload documents in the form of JPG format and PDF format.
15. Contractor must ensure to quote rate of each item, 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).
16. The department reserves the right to reject any prospective application without assigning any reason and to restrict the list of qualified contractors to any number deemed suitable by it, if too many bids are received satisfying the laid down criterion.
17. In e-Tendering intending bidder can quote his rates in figures only. The rates in words, amount of each item and total is generated automatically. Therefore, the rate quoted by the bidder in figures is to be taken as correct.
18. The bid can only be submitted after uploading the mandatory scanned documents such as **Demand Draft or Fixed Deposit Receipts** or through **RTGS / NEFT** towards Tender Fee and EMD (if applicable) in favour of **Director, I.I.T. Jodhpur** or to be deposited with <http://eprocure.gov.in/eprocure/app/> NEFT facility.

For online payment through RTGS/NEFT IIT Jodhpur Bank details are as below:

Name of Bank A/C	:	Revenue Account IIT Jodhpur
Account No.	:	3399101000631
IFSC Code	:	CNRB0003399
MICR Code	:	342015501
Name of Bank & Branch	:	Canara Bank & IIT Jodhpur.
19. The EMD in original shall be deposited by the lowest tenderer within a week after opening of financial bid failing which the tender shall be rejected.
20. Certificate of work experience and other documents as specified in the notice inviting tender shall be scanned and uploaded to the e-Tendering website within the period of bid submission. However, certified / original copy of all the scanned and uploaded documents as specified in web notice may be verified by the institute.
21. **The bid submitted shall become invalid if:**

- i. The bidder does not upload all the documents (including GST registration) as stipulated in the bid document.
 - ii. The lowest bidder does not deposit original EMD declaration within a week of opening of tender.
 - iii. In the event of tender being submitted by a firm, it must be signed separately by each partner thereof or in the event of the absence of any partner, it must be signed on his behalf by a person holding a power of attorney authorizing him to do so, such power of attorney to be produced with the tender, and it must disclose that the firm is duly registered under the Indian Partnership Act 1932, above not submitted.
22. Bid validity shall be 90 days after opening of bids.

23. List of Documents to be scanned and uploaded within the period of bid submission:

- i. Affidavit (on Rs. 10 non-judicial stamp with notarized) regarding establishment of proprietorship firm/ partnership deed/ letter of incorporation for private ltd/ ltd firm with written power of attorney (in case of bidder is owner, not required) of authorized signatory.
- ii. Proof of deposit of Tender Fee and EMD.
- iii. Attested copy of work experience certificate.
- iv. Attested copy of valid PAN, GSTIN Registration.
- v. Attested copy of up to date filed return of GST.
- vi. Affidavit as per Notice Inviting Tender Condition 1.3 of IITJ/CPWD-6 FOR e-TENDERING.
- vii. Acceptance to execute Integrity Pact.
- viii. FORM "F" (Duly filled with all relevant required details).
- ix. Compliance sheet as per Annexure-I.
- x. List of Govt Organization as per Annexure-II

FORM-F

STRUCTURE & ORGANISATION

1. Name & Address of the bidder:
2. Telephone no./ Phone no./ Fax no.:
3. E-mail:
4. Contact Person No.:
5. GST No.:
6. PAN No.:
7. Tender Fee (UTR No.):
(In case of on-line payment of Tender Fee)
8. EMD (UTR No.)
(In case of on-line payment of Tender Fee):
9. 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. Designation of individuals authorized to act for the organization.....!
6. Has the bidder or any constituent partner in case of partnership firm, ever abandoned the awarded work before its completion? If so, give name of the project and reasons for abandonment.....!
7. Has the bidder or any constituent partner in case of partnership firm, ever been debarred/ blacklisted for tendering in any organization at any time? If so, give details.....!
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.....!

Signature of Bidder/Tenderer

INDIAN INSTITUTE OF TECHNOLOGY JODHPUR
NH-62 NAGAU ROAD KARWAR JODHPUR

Notice Inviting Tender

Terms & Conditions

Indian Institute of Technology Jodhpur is in the process of purchasing following item(s) as per details as given as under.

Details of the item	As per Tender Notice
Earnest Money Deposit to be submitted	As per Tender Notice
Warranty	As per Tender Notice, NIT & IITJ/CPWD form 7/8
Performance security	As per Tender Notice, NIT & IITJ/CPWD form 7/8

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

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

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

Schedule

Name of Organization	Indian Institute of Technology Jodhpur.
Tender Type (Open/Limited/EOI/Auction/Single)	Open.
Tender Category (Services/Goods/works)	Works.
Type/Form of Contract (Work/Supply/ Auction/Service/Buy/Empanelment/ Sell)	Works.
Product Category (Civil Works/Electrical Works/Fleet Management/ Computer Systems)	HVAC work
Source of Fund (Institute/Project)	Institute Recurring Budget.
Is Multi Currency Allowed	No
Date of Issue/Publishing	14/07/2026.
Document Download/Sale Start Date	14/07/2026.
Document Download/Sale End Date	04/08/2026.
Date for Pre-Bid Conference	Nil.
Venue of Pre-Bid Conference	N/A.
Last Date and Time for Uploading of Bids	As per Tender Notice.
Date and Time of Opening of Technical Bids	As per Tender Notice.
Tender Fee (as per tender notice)	In the form of Demand Draft or Fixed Deposit Receipts or term deposit or through RTGS / NEFT (for online payment, IIT Jodhpur Bank account details are as under): Name of the Bank A/C: Revenue Account, IIT Jodhpur. Canara Bank A/C No. : 3399101000631. Name of the Bank : Canara Bank IIT Jodhpur. IFSC Code : CNRB0003399. MICR Code : 342015501.
EMD (as per tender notice)	
No. of Covers (1/2/3/4)	02 (Technical and Financial).
Bid Validity days	90 days (From the date of opening of bids)
Address for Communication	Assistant Executive Engineer(Electrical-I), Office of Infrastructure Engineering, W-1 Berm, IIT Jodhpur.
Contact No.	0291-2801054.
Fax No.	Nil.
Email Address	oie@iitj.ac.in

Instructions for Online Bid Submission:

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

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

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

REGISTRATION

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

SEARCHING FOR TENDER DOCUMENTS

- 1) There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, 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. These 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 tender, in case they want to obtain any clarification / help from the Helpdesk.

PREPARATION OF BIDS

- 1) Bidder should take into account any corrigendum published on the tender document before submitting their bids.
- 2) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid

documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.

- 3) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF formats. Bid documents may be scanned with 100 dpi with black and white option.
- 4) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Space" area available to them to upload such documents. These documents may be directly submitted from the "My Space" area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

SUBMISSION OF BIDS

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

OR

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

- 5) The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
- 6) All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done.
- 7) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 8) Upon the successful and timely submission of bids, the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
- 9) Kindly add scanned PDF of all relevant documents in a single PDF file of compliance sheet.

ASSISTANCE TO BIDDERS

1. Any queries relating to the 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 24x7 CPP Portal Helpdesk. The contact number for the helpdesk is 1800 233 7315.

General Instructions to the Bidders

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

GENERAL INSTRUCTIONS

Tenders have been invited on the basis of standard Forms 7/8 and General Conditions of contract for the work in Central Public Works Department (CPWD). However, in the contract of IIT Jodhpur, the following terms may be read as:

S. No.	As per Standard Forms	To be read as
I	President of India	Director, IIT Jodhpur
II	Government of India	Indian Institute of Technology Jodhpur
III	Central Public Works Departments	Office of Infrastructure Engineering, IIT Jodhpur
IV	Chief Engineer, CPWD	Dean of Infrastructure Planning, IIT Jodhpur
V	Circle Office	Office of Infrastructure Engineering, IIT Jodhpur

Superintending Engineer
Office of Infrastructure Engineering.

Terms & Conditions Details

S. No.	Specification
1.	Due date: The tender has to be submitted online before the due date. The offers received after the due date and time will not be considered. No manual bids will be considered.
2.	Preparation of Bids: The offer/bid should be submitted in two bid systems (i.e.) Technical bid and financial bid. The technical bid should consist of all technical details along with commercial terms and conditions. Financial bid should indicate item wise price for the items mentioned in the technical bid in the given format i.e BOQ_XXXX. OR Financial Bids to be submitted in Excel. The Technical bid and the financial bid should be submitted online.
3.	EMD (if applicable): As per NIT
4.	Refund of EMD: As per NIT
5.	Opening of the tender: As per Tender Notice, NIT & IITJ/CPWD form 7/8
6.	Acceptance/ Rejection of bids: The Committee reserves the right to reject any or all offers without assigning any reason.
7.	Pre-qualification criteria: Mentioned in Tender notice
8.	Performance Security: Mentioned in Tender notice
9.	Force Majeure: As per IITJ/CPWD form 7/8
10.	Risk & Cost Clause: As per IITJ/CPWD form 7/8
11.	Delivery and Documents: As per Tender Notice & NIT & IITJ/CPWD form 7/8
12.	Delayed delivery: As per Tender Notice & NIT & IITJ/CPWD form 7/8
13.	Prices: As per Tender Notice & NIT & IITJ/CPWD form 7/8
14.	Progress of Work: As per Tender Notice & NIT & IITJ/CPWD form 7/8
15.	Inspection and Tests: As per Tender Notice & NIT & IITJ/CPWD form 7/8
16.	Resolution of Disputes: As per Tender Notice & NIT & IITJ/CPWD form 7/8
17.	Applicable Law: As per Tender Notice & NIT & IITJ/CPWD form 7/8
18.	Supplier Integrity: As per Tender Notice & NIT & IITJ/CPWD form 7/8
19.	Training: As per Tender Notice & NIT & IITJ/CPWD form 7/8
20.	Installation & Demonstration: As per Tender Notice & NIT & IITJ/CPWD form 7/8
21.	Incidental services: As per Tender Notice & NIT & IITJ/CPWD form 7/8
22.	Defect liability Period: As per Tender Notice & NIT & IITJ/CPWD form 7/8
23.	Governing Language: As per Tender Notice & NIT & IITJ/CPWD form 7/8
24.	Applicable Law: As per Tender Notice & NIT & IITJ/CPWD form 7/8
25.	Notices: As per Tender Notice & NIT & IITJ/CPWD form 7/8
26.	Taxes: As per Tender Notice & NIT & IITJ/CPWD form 7/8
27.	Termination for Default: As per Tender Notice & NIT & IITJ/CPWD form 7/8
28.	Disputes and Jurisdiction: As per Tender Notice & NIT & IITJ/CPWD form 7/8
29.	Completion certificate: As per Tender Notice & NIT & IITJ/CPWD form 7/8

COMPLIANCE SHEET

S. No.	Technical Bid Requirement As per Tender Notice & NIT & IITJ/CPWD form 7 (Duly attested)	Compliance Y/N
1	Tender Fee.	
2	EMD Deposition.	
3	Similar Work Experience Certificate.	
4	PAN Card and GSTIN Registration.	
5	Up to date filed return of GST.	
6	Affidavit as per Notice Inviting Tender Condition 1.3 at page 16 of NIT.	
7	INTEGRITY PACT Acceptance.	
8	FORM-F (duly filled with all required details).	
9	Affidavit as per Notice Inviting Tender Condition 23(i) at page 5 of NIT.	
10	List of Govt. Organization as per Annexure-II	
11	BOQ	

I have also enclosed all relevant documents in support of my claims, (as above) in the following pages.

Signature of Bidder

Name: _____

Designation: _____

Organization Name: _____

Contact No. : _____

List of Govt. Organization/ Department.

List of Government organization/ Public Sector Undertaking / Autonomous bodies for whom the Bidder has undertaken such work as per Tender Notice & NIT & IITJ/CPWD -7/8		
Name of the organization	Name of Contact Person	Contact No.

Signature of Bidder**Name:** _____**Designation:** _____**Organization Name:** _____**Contact No.:** _____

IITJ/CPWD -6 FOR e-TENDERING

Percentage rate tenders are invited from contractors/firms engaged in the field of HVAC work in appropriate category for the work as per tender notice.

1. The work is estimated to cost as per tender notice. This estimate, however, is given merely as a rough guide.
2. Details of criteria for eligibility as Indicated in "INFORMATION AND INSTRUCTIONS FOR CONTRACTORS FOR e-TENDERING FORMING PART OF NIT AND TO BE POSTED ON WEBSITE"
3. To become eligible for issue of tender, the tenderer shall have to furnish an affidavit.
 - (i) Affidavit shall be purchased /notarized on or after NIT published date but on or before last date of submission of NIT.
 - (ii) Affidavit must have "NIT/tender reference number" and "Name of work" and shall be used once for each fresh tender.
No back dated affidavit shall be entertained and non-compliance of point (i) & (ii) shall lead to rejection of the tender.
Affidavit should be as mentioned under: -
"I/We undertake and confirm that eligible similar works(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 IIT Jodhpur in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee." (Scanned copy to be uploaded at the time of submission of bid)
4. Agreement shall be drawn with the successful bidders on prescribed Form No. IITJ/CPWD form No. 7 (or other standard form as mentioned), which is available as a Govt. of India Publication. Bidders shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
5. The time allowed for carrying out the work will be **as per tender notice** 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, if any, indicated in the tender documents.
6. The site for the work is available.
7. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen from the web Site <http://eprocure.gov.in/eprocure/app> or iitj.ac.in or e-procure.gov **free** of cost.
8. 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 tender as notified.
9. 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 tender as notified.
10. If it is desired to submit revised financial bid, then it shall be mandatory to submit revised financial bid. If not submitted, then the tender submitted earlier shall become invalid.
11. Earnest Money in the form of Demand Draft or Fixed Deposit Receipts (drawn in favour of Director IIT Jodhpur) **or through RTGS / NEFT** from any Scheduled/ Nationalized Bank and shall be scanned & uploaded to the e-tendering website within the period of tender submission and original should be deposited by lowest bidder within a week after the opening of financial bid in office of **Superintending Engineer, IIT Jodhpur.**
12. The time & date of submission & opening of financial bid of contractors qualifying the **criteria as per Tender Notice** shall be communicated to them at a later date.
13. The successful bidders shall be required to submit a performance guarantee of 5% of the tendered amount in the form of Bank Guarantee or F.D.R. from a Nationalized/Scheduled Bank within 07 days of

issue of letter of intent before award of work. In case the contractor fails to deposit the performance guarantee within the specified period, full earnest money will be forfeited, and the tender shall be treated as void. The performance guarantee shall be initially valid up to the stipulated date of completion plus 06 months beyond.

14. The earnest money deposited along with bid shall be returned after receiving the aforesaid performance guarantee. 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 Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor.
15. Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders 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, 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 tender. Bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent to any misunderstanding or otherwise shall be allowed. The tenderer 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 tender by a tenderer implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government, local conditions and other factors having a bearing on the execution of the work.
16. The competent authority does not bind itself to accept the lowest or any other tender and reserves to itself the authority to reject any or all the tenders received without the assignment of any reason. All tenders in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer shall be summarily rejected.
17. Canvassing whether directly or indirectly, in connection with tenderers is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.
18. The competent authority reserves the right to accept the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.
19. The bidder shall not be permitted to tender for works in the IIT Jodhpur responsible for award and execution of contracts, in which his near relative is posted as a Divisional Accountant or as an officer in any capacity between the grades of Dean of Infrastructure Planning and Junior Engineer (both inclusive). The contract shall be withdrawn if any bidder is found violating this condition.
20. 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 previous permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found at any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the tender or engagement in the contractor's service.
21. The bids for the work shall remain open for acceptance for a period of 90 (ninety) days from the date of opening of technical bids. Further
 - i. If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department within 7 days after last date of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 50% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
 - ii. If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department after expiry of 7 days after last date of submission of bids, then the Government 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.

- iii. In case of forfeiture of earnest money as prescribed in para (i) and (ii) above, the bidders shall not be allowed to participate in the rebidding process of the same work.

- 3. This notice inviting tender shall form a part of the contract document. The successful tenderer / contractor, on acceptance of his tender by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of:
 - a. The Notice Inviting Tender, all the documents including additional conditions, specifications and drawings, if any, forming part of the tender as uploaded at the time of invitation of tender and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
 - b. Standard IITJ/CPWD Form – 7/8 or other Standard IITJ Form as mentioned.

**Superintending Engineer
IIT Jodhpur**

To,

.....,

.....,

.....

Subject: - Annual, Repair and Maintenance of Heat Ventilation and Air Conditioning (HVAC) system of IIT Jodhpur

Sub Head: - HVAC Work.

Dear Sir,

It is hereby declared that I.I.T. Jodhpur is committed to follow the principle of transparency, equity and competitiveness in public procurement.

The subject Notice Inviting Tender (NIT) is an invitation to offer made on the condition that the Bidder will sign the integrity Agreement, which is an integral part of tender/bid documents, failing which the tenderer / bidder will stand disqualified from the tendering process and the bid of the bidder would be summarily rejected.

This declaration shall form part and parcel of the Integrity Agreement and signing of the same shall be deemed as acceptance and signing of the Integrity Agreement on behalf of the I.I.T. Jodhpur.

Yours faithfully

**Superintending Engineer
Office of Infrastructure Engineering**

Acceptance to execute integrity pact

I.I.T.J

(To be signed by bidder and upload the scanned copy)

To,
Superintending Engineer,
IIT Jodhpur, NH 62 Nagaur Road Karwar
Jodhpur Rajasthan.

Subject: Annual, Repair and Maintenance of Heat Ventilation and Air Conditioning (HVAC)
system of IIT Jodhpur

Sub Head: HVAC Work

Dear Sir,

I/We acknowledge that I.I.T. Jodhpur is committed to follow the principles thereof as enumerated in the Integrity Agreement enclosed with the tender/bid document.

I/We agree that the Notice Inviting Tender (NIT) is an invitation to offer made on the condition that I/We will sign the enclosed integrity Agreement, which is an integral part of tender / bid documents, failing which I/We will stand disqualified from the tendering process. I/We acknowledge that THE MAKING OF THE BID SHALL BE REGARDED AS AN UNCONDITIONAL AND ABSOLUTE ACCEPTANCE of this condition of the NIT.

I/We confirm acceptance and compliance with the Integrity Agreement in letter and spirit and further agree that execution of the said Integrity Agreement shall be separate and distinct from the main contract, which will come into existence when tender/bid is finally accepted by I.I.T. Jodhpur. I/We acknowledge and accept the duration of the Integrity Agreement, which shall be in the line with Article 1 of the enclosed Integrity Agreement.

I/We acknowledge that in the event of my/our failure to sign and accept the Integrity Agreement, while submitting the tender/bid, I.I.T. Jodhpur shall have unqualified, absolute and unfettered right to disqualify the tender / bidder and reject the tender/bid in accordance with terms and conditions of the tender/bid.

Yours faithfully

(Duly authorized signatory of the Bidder)

To be signed by the bidder and same signatory competent / authorized to sign the relevant contract on behalf of IIT Jodhpur.

INTEGRITY AGREEMENT

This Integrity Agreement is made aton this.....day of..... 2.....

BETWEEN

The Director, IIT Jodhpur represented through Superintending Engineer, IIT Jodhpur

....., (Hereinafter referred as the
(Address of Division)

‘Principal/Owner’, which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

AND

.....
(Name and Address of the Individual /firm/ Company)

through..... (Hereinafter referred to as the
(Details of duly authorized signatory)

“Bidder/Contractor” and which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

Preamble

WHEREAS the Principal / Owner has floated the Tender (NIT No.) (Hereinafter referred to as **“Tender/Bid”**) and intends to award, under laid down organizational procedure, contract for.....

.....
(Name of work)

hereinafter referred to as the **“Contract”**.

AND WHEREAS the Principal/Owner values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/transparency in its relation with its Bidder(s) and Contractor(s).

AND WHEREAS to meet the purpose aforesaid both the parties have agreed to enter into this Integrity Agreement (hereinafter referred to as **“Integrity Pact”** or **“Pact”**), the terms and conditions of which shall also be read as integral part and parcel of the Tender/Bid documents and Contract between the parties.

NOW, THEREFORE, in consideration of mutual covenants contained in this Pact, the parties hereby agree as follows and this Pact witnesses as under:

Article 1: Commitment of the Principal/Owner

- 1) The Principal/Owner commits itself to take all measures necessary to prevent corruption and to observe the following principles:
 - (a) No employee of the Principal/Owner, personally or through any of his/her family members, will in connection with the Tender, or the execution of the Contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
 - (b) The Principal/Owner will, during the Tender process, treat all Bidder(s) with equity and reason. The Principal/Owner will, in particular, before and during the Tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the Tender process or the Contract execution.
 - (c) The Principal/Owner shall endeavor to exclude from the Tender process any person, whose conduct in the past has been of biased nature.
- 2) If the Principal/Owner obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal code (IPC)/Prevention of Corruption Act, 1988 (PC Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, the Principal/Owner will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

Article 2: Commitment of the Bidder(s)/Contractor(s)

- 1) It is required that each Bidder/Contractor (including their respective officers, employees and agents) adhere to the highest ethical standards, and report to the Government / Department all suspected acts of **fraud or corruption or Coercion or Collusion** of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.
- 2) The Bidder(s)/Contractor(s) commits himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution:
 - a) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal/Owner's employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the Tender process or during the execution of the Contract.
 - b) The Bidder(s)/Contractor(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to cartelize in the bidding process.
 - c) The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Bidder(s)/Contractor(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal/Owner as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
 - d) The Bidder(s)/Contractor(s) of foreign origin shall disclose the names and addresses of agents/representatives in India, if any. Similarly, Bidder(s)/Contractor(s) of Indian Nationality shall disclose names and addresses of foreign agents/representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly

could bid in a tender but not both. Further, in cases where an agent participates in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent/parallel tender for the same item.

- e) The Bidder(s)/Contractor(s) will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.
- 3) The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
- 4) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice **means a willful misrepresentation or omission of facts or submission of fake/forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or to influence the procurement process to the detriment of the Government interests.**
- 5) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his/ her reputation or property to influence their participation in the tendering process).

Article 3: Consequences of Breach

Without prejudice to any rights that may be available to the Principal/Owner under law or the Contract or its established policies and laid down procedures, the Principal/Owner shall have the following rights in case of breach of this Integrity Pact by the Bidder(s)/Contractor(s) and the Bidder/ Contractor accepts and undertakes to respect and uphold the Principal/Owner's absolute right:

- 1) If the Bidder(s)/Contractor(s), either before award or during execution of Contract has committed a transgression through a violation of Article 2 above or in any other form, such as to put his reliability or credibility in question, the Principal/Owner after giving 14 days' notice to the contractor shall have powers to disqualify the Bidder(s)/Contractor(s) from the Tender process or terminate/determine the Contract, if already executed or exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal/Owner. **Such exclusion may be forever or for a limited period as decided by the Principal/Owner.**
- 2) **Forfeiture of EMD/Performance Guarantee/Security Deposit:** If the Principal/Owner has disqualified the Bidder(s) from the Tender process prior to the award of the Contract or terminated/determined the Contract or has accrued the right to terminate/determine the Contract according to Article 3(1), the Principal/Owner apart from exercising any legal rights that may have accrued to the Principal/Owner, may in its considered opinion forfeit the entire amount of Earnest Money Deposit, Performance Guarantee and Security Deposit of the Bidder/Contractor.
- 3) **Criminal Liability:** If the Principal/Owner obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of IPC Act, or if the Principal/Owner has substantive suspicion in this regard, the Principal/Owner will inform the same to law enforcing agencies for further investigation.

Article 4: Previous Transgression

- 1) The Bidder declares that no previous transgressions occurred in the last 5 years with any other Company in any country confirming to the anticorruption approach or with Central Government or State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the Tender process.

- 2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the Tender process or action can be taken for banning of business dealings/ holiday listing of the Bidder/Contractor as deemed fit by the Principal/ Owner.
- 3) If the Bidder/Contractor can prove that he has resorted / recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal/Owner may, at its own discretion, revoke the exclusion prematurely.

Article 5: Equal Treatment of all Bidders/Contractors/Subcontractors

- 1) The Bidder(s)/Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact. The Bidder/Contractor shall be responsible for any violation(s) of the principles laid down in this agreement/Pact by any of its Sub-contractors/sub-vendors.
- 2) The Principal/Owner will enter into Pacts on identical terms as this one with all Bidders and Contractors.
- 3) The Principal/Owner will disqualify Bidders, who do not submit, the duly signed Pact between the Principal/Owner and the bidder, along with the Tender or violate its provisions at any stage of the Tender process, from the Tender process.

Article 6- Duration of the Pact

This Pact begins when both the parties have legally signed it. It expires for the Contractor/Vendor 09 Months after the completion of work under the contract or till the continuation of defect liability period, whichever is more and for all other bidders, till the Contract has been awarded.

If any claim is made/lodged during the time, the same shall be binding and continue to be valid despite the lapse of this Pacts as specified above, unless it is discharged/determined by the Competent Authority, I.I.T. Jodhpur.

Article 7- Other Provisions

- 1) This Pact is subject to Indian Law, place of performance and jurisdiction is the Headquarters of the Division of the Principal/Owner, who has floated the Tender.
- 2) Changes and supplements need to be made in writing. Side agreements have not been made.
- 3) If the Contractor is a partnership or a consortium, this Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a Company, the Pact must be signed by a representative duly authorized by board resolution.
- 4) Should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
- 5) It is agreed terms and conditions that any dispute or difference arising between the parties with regard to the terms of this Integrity Agreement / Pact, any action taken by the Owner/Principal in accordance with this Integrity Agreement/ Pact or interpretation thereof shall not be subject to arbitration.

Article 8- LEGAL AND PRIOR RIGHTS

All rights and remedies of the parties hereto shall be in addition to all the other legal rights and remedies belonging to such parties under the Contract and/or law and the same shall be deemed to be cumulative and not alternative to such legal rights and remedies aforesaid. For the sake of brevity, both the Parties agree that this Integrity Pact will have precedence over the Tender/Contact documents with regard any of the provisions covered under this Integrity Pact.

IN WITNESS WHEREOF the parties have signed and executed this Integrity Pact at the place and date first above mentioned in the presence of following witnesses:

.....
(For and on behalf of Principal/Owner)

.....
(For and on behalf of Bidder/Contractor)

WITNESSES:

1.
(signature, name and address)

2.
(signature, name and address)

Place:

Dated:

**INDIAN INSTITUTE OF TECHNOLOGY
Jodhpur****Percentage Rate Tender & Contract for Works**

Tender for the work of: Annual, Repair and Maintenance of Heat Ventilation and Air Conditioning (HVAC) system of IIT Jodhpur

Sub Head: - HVAC Work.

- i. To be submitted online as per tender notice through website www.eprocure.gov.in to Engineer in-charge, IIT Jodhpur.
- ii. Online Bids to be opened in presence of tenderers / their authorized representatives who may be present in the Office of Stores and Purchase/OIE, IIT Jodhpur.

TENDER

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, Conditions of Contract, 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 I.I.T. Jodhpur, 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 date of opening of bid.

A sum of **as per tender notice** is hereby forwarded in Banker Cheque or Demand Draft or Fixed Deposit receipt of a schedule bank drawn in favour of IIT Jodhpur earnest money. If I/We, fail to furnish the prescribed performance guarantee within prescribed period. I/We agree that the I.I.T. Jodhpur or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/We agree that The I.I.T. Jodhpur or the successors 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 in the tender documents upon the terms and conditions contained or referred to 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, I/We agree that in case of forfeiture of Earnest Money & Performance Guarantee as aforesaid. I/We shall be debarred for participation in the re-tendering 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 I.I.T. Jodhpur in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/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 of the State.

Dated:

Signature of Contractor

Postal Address

Witness:

Address:

Occupation:

ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of I.I.T. Jodhpur for a sum of Rs. (Rupees
.....)

The letters referred to below form part of this contract agreement:

- (a)
- (b)
- (c)

For & on behalf of IIT Jodhpur

Signature

Designation

Date.....

PROFORMA OF SCHEDULES

I.I.T.J

PROFORMA OF SCHEDULES

SCHEDULE 'A'

Schedule of quantities (enclosed)

SCHEDULE 'B'

Schedule of materials to be issued to the contractor.

S. No.	Description of item	Quantity	Rates in figures & words at which the material will be charged to the Contractor	Place of issue
1			4	
←		Nil		→

SCHEDULE 'C'

Tools and plants to be hired by the contractor

S. No.	Description	Hire charges per day	Place of Issue
1			
←		Nil	→

SCHEDULE 'D'

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

----- Nil -----

SCHEDULE 'E'

Reference to General Conditions of contract: General Conditions of contract for CPWD: GCC 2023 for maintenance Works, Form-7 for CPWD works as amended up to last date of submission of bid.

Name of work: Annual, Repair and Maintenance of Heat Ventilation and Air Conditioning (HVAC) system of IIT Jodhpur

Sub Head: Upgradation Work.

- | | | | |
|-------|------------------------|---|---|
| (i) | Estimated cost of work | : | As per Tender Notice |
| (ii) | Earnest Money | : | As per Tender Notice |
| (iii) | Performance Guarantee | : | As per Tender Notice |
| (iv) | Security Deposit | : | 2.5% of the gross amount of each running and final bill till the sum deducted will amount to security deposit of 2.5% of the tendered amount of the work. |

SCHEDULE 'F'

SCHEDULE 'F' (HVAC WORK)	
General Rules & Directions:	
Officer inviting tender	Superintending Engineer, IIT Jodhpur.
Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3	See Below.
Definitions	
Engineer-in-charge	Assistant Executive Engineer (Electrical-1).
Accepting Authority	Director, IIT Jodhpur.
Percentage on cost of materials and labor to cover all overhead & profits	7.5%
Standard schedule of Rates	DSR 2025 (E & M) with up-to-date correction slips and market rate.
Department	Office of Infrastructure Engineering, IIT Jodhpur
Standard IITJ contract Form	General Conditions of contract for CPWD for maintenance Works 2023 as amended/modified up to last date of submission of bid.

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 including Provident Fund Code No. or proof of applying thereof from date of issue of letter of acceptance.	07 Days
(ii)	Maximum allowable extension with late fee@ 0.1% per day of performance guarantee amount beyond the period provided in (i) above	07 Days

Clause -2			
Authority for fixing Compensation under Clause 2		Superintending Engineer, IIT Jodhpur.	
Clause 2A			
Whether clause 2A is applicable		Not applicable	
Clause 5			
Number of days from the date of issue of letter of acceptance for reckoning date of start of start milestone(s) as per table given below:		10 Days	
Sl No.	Description of Milestone (Physical)	Time Allowed in days (from the date of	Amount to be deducted in case of non-

		requirement)	achievement of milestone
1.	Day to day complaints.	02 Days or 48 Hours	100/- complaint.
2.	Day to day complaints.	05 Days or 120 Hours	300/- complaint.
3.	New work requirement.	05 Days or 120 Hours	1000/- requirement.
Time allowed for execution of work		01 Year.	
Authority to decide:			
(i)	Extension of time	Superintending Engineer, IIT Jodhpur	
(ii)	Rescheduling of milestones	Superintending Engineer, IIT Jodhpur	
(iii)	Shifting of date of start in case of delay in handing over of site	Superintending Engineer, IIT Jodhpur	
Clause 6, 6A			
Clause applicable -		Computerized Measurement Book (CMB)/ Electronic Measurement Book (EMB)	
Clause 7			
Gross work to be done together with net payment /adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment		Rs. Ten Lacs or as mutually agreed by both the parties.	
CLAUSE 10A			
Not Applicable			
Clause 10B		Not Applicable	
Clause 10B(ii)			
Whether Clause 10 B (ii) shall be applicable		No	
Clause 10C			
Component of labour expressed as percentage of value of work		No	
Clause 10CC escalation clause		Not Applicable	
Schedule of component of other Materials, Labour, POL etc. for price escalation.			
Component of civil (except materials covered under clause 10CA) /Electrical construction Materials expressed as percent of total value of work. -		Xm.....%	
Component of Labour -			
expressed as percent of total value of work.		Y..... %	
Component of P.O.L. -			
expressed as percent of total value of work.		Z..... %	
Clause 11			
Specifications to be followed for execution of work		CPWD specifications 2019 Vol-1&2 for civil and Part-I Internal 2023 and Part-II External 2023 for electrical works with upto date correction slips & manufacturers specifications & NIT	
Clause 12			
Type of work		Annual, Repair and Maintenance of Heat Ventilation and Air Conditioning (HVAC) system of IIT Jodhpur	
12.2. & 12.3 Deviation Limit beyond which clauses shall apply for building work		As per CPWD Manual.	

Clause 16					
Competent Authority for deciding reduced rates				Superintending Engineer, IIT Jodhpur	
Clause 18					
Not applicable					
Clause 25					
Settlement of dispute by conciliation and arbitration				Director, Indian Institute of Technology Jodhpur	
CLAUSE 32					
“Requirement of Technical Representative (s) and Recovery Rate” for the work					
S. No.	Requirement of Technical Staff		Minimum Experience (Years)	Designation of Technical Staff	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause
	Qualification	Number			
1.	Graduate Engineer or Diploma Engineer	1	2 or 5 respectively	Project Manager cum Planning/Quality/Site/Billing Engineer	Rs. 15000/- per month
“Assistant Engineer retired from Government Services those are holding Diploma will be treated at par with Graduate Engineer”.					
Diploma holder with minimum 10-year relevant experience with a reputed construction co. can be treated at par with Graduate Engineers for the purpose of such deployment subject to the condition that such diploma holders should not exceed 50% of requirement of degree engineers.					
CLAUSE 38					
(i)	Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates			DSR 2023 with correction slips issued upto last date of submission of bid	
(ii)	Variations permissible on theoretical quantities				
	a.	Cement for works estimated cost put to tender not more than Rs. 25 Lakhs		3 % plus/minus	
	(i)	For works with estimated cost put to tender more than Rs. 25 Lakhs		2 % plus/minus	
	b.	Bitumen for all works		2.5% plus only & nil on minus side	
	c.	Steel reinforcement and structural steel section for each diameter, section and category		2% plus/minus	
	d.	All other materials		Nil	
RECOVERY RATES FOR QUANTITY BEYOND PERMISSIBLE VARIATION For All Elements					
	Excess beyond permissible limits			As per CPWD norms	
	Less use beyond the permissible limit			As per CPWD norms	

BANK GUARANTEE BOND

I.I.T.J

Form of Earnest Money Deposit Bank Guarantee Bond

WHEREAS, contractor (Name of contractor) (hereinafter called "the contractor") has submitted his tender dated (date) for the work of (name of work) (hereinafter called "the Tender")

KNOW ALL PEOPLE by these presents that we (name of bank) having our registered office at (hereinafter called "the Bank") are bound unto

(Name and division of Engineer) (hereinafter called "the Engineer-in-Charge") in the sum of Rs. (Rs. In words) for which payment well and truly to be made to the said Engineer-in-Charge the Bank binds itself, his successors and assigns by these presents.

SEALED with the Common Seal of the said Bank this day of 20..... THE CONDITIONS of this obligation are:

- (1) If after tender opening the Contractor withdraws, his tender during the period of validity of tender (including extended validity of tender) specified in the Form of Tender;
- (2) If the contractor having been notified of the acceptance of his tender by the Engineer-in-Charge:
 - (a) fails or refuses to execute the Form of Agreement in accordance with the Instructions to contractor, if required;
OR
 - (b) fails or refuses to furnish the Performance Guarantee, in accordance with the provisions of tender document and Instructions to contractor,
OR
 - (c) fails or refuses to start the work, in accordance with the provisions of the contract and Instructions to contractor,
OR
 - (d) fails or refuses to submit fresh Bank Guarantee of an equal amount of this Bank Guarantee, against Security Deposit after award of contract.

We undertake to pay to the Engineer-in-Charge either up to the above amount or part thereof upon receipt of his first written demand, without the Engineer-in-Charge having to substantiate his demand, provided that in his demand the Engineer-in-Charge will note that the amount claimed by him is due to him owing to the occurrence of one or any of the above conditions, specifying the occurred condition or conditions.

This Guarantee will remain in force up to and including the date* after the deadline for submission of tender as such deadline is stated in the Instructions to contractor or as it may be extended by the Engineer-in-Charge, notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this Guarantee should reach the Bank not later than the above date.

DATE

SIGNATURE OF THE BANK

WITNESS
(SIGNATURE, NAME AND ADDRESS)

SEAL

*Date to be worked out on the basis of validity period of 6 months from last date of receipt of tender.

ADDITIONAL TERMS & CONDITIONS

1. All the work shall be carried out as per CPWD General specifications for Electrical works, Part-I (Internal)-2013, Part-II (External)- 2005 should also comply with relevant provisions of the Indian Electricity Rules /Acts as applicable, amended up to date. Where specifications are silent, the decision of Engineer-in-Charge shall be final and binding on contractor
2. The work is to be carried out to the entire satisfaction of the Engineer-in-charge and his authorized representative
3. In case of any complaint against any of the personnel of the contractor, the said person will have to be replaced immediately by the contractor and the decision of the Engineer In-charge, IIT Jodhpur, in this regard shall be final and binding on the contractor.
4. In case of any dis-obedience by the staff of the contractor with the occupant's/authorities/ Engineer-in-charge and his authorized representatives, the contractor shall be responsible fully for such consequences and such staff shall be removed from the site immediately.
5. Agency/ Firm shall abide by all laws of the land including, labour laws, Companies Act, Tax deduction liabilities, welfare measures of its employees and all other statutory obligations that enjoin in such cases and are not enumerated and defined herein, through any such onus shall be the exclusive responsibility of the Agency/ Firm, and it shall not involve the Institute in any way whatsoever.
6. Institute reserves the right to require the Agency/ Firm to remove any person deployed by the company, without assigning any reasons/notice. This will be without prejudice to the right of the Agency/ Firm to remove any of its own employees deployed in the Institute.
7. It would be responsibility of Agency/Firm to arrange all permission/ approvals from all local bodies/statutory bodies as per applicable law in vogue. Nothing extra shall be paid on this account by the Institute.
8. The Agency/ Firm shall be responsible for all injury and accidents to people employed by him while on duty. It is desirable that all employees are covered under insurance cover.
9. All employees of the Agency/Firm shall be issued Identity Cards bearing their photographs. Photographs for identity cards should be provided by the Agency/ Firm at their own cost. The ID Cards will be issued by the Agency/ Firm. These will be countersigned by the IIT Jodhpur Security Officer/ Engineer of Office of Infrastructure Engineering.
10. The Agency/Firm shall be responsible for the good conduct and behavior of its employees. If any employee of the Agency/ Firm is found misbehaving with the supervisory staff or other staff members of the Institute the Agency/ Firm shall terminate the services of such employees forthwith at their own risk and responsibility. The Agency/ Firm shall issue necessary Instructions to its employees to act upon the instructions given by the supervisory staff of the Institute.
11. When a register gets completed, it will be handed over to the concerned J.E. / A.E. It will not be returned to the contractor and the same will remain the property of the department.
12. The dismantled material which has scrap value needs to be handed over to Institute.
13. In the event of any loss being occurred to the Institute during the course of execution of work, on account of the negligence of duty by the Agency/ Firm' and their employees, the Agency/ Firm shall make good the loss sustained to the Institute either by replacement or on payment of the adequate compensation as per decision of Engineer-in-charge.
14. The Agency/ Firm shall not appoint sub-Agency/Firm to carry out any obligation under the contract.
15. The Agency/ Firm will take day-to-day instructions from the supervisory staff of the institute and shall keep diary for the same.
16. The labours engaged by agency shall not be below age 18 years and no worker will be allowed to stay in the Institute campus.

17. The Agency/Firm shall maintain an Inspection Book as prescribed, which will be made available to supervisory staff of the Institute. Fault/observation record there on shall be attended to immediately.
18. Agency/ Firms will apply to the Labour Commissioner to obtain a Labour License as applicable, and nothing extra shall be paid to Agency by IIT Jodhpur. Agency/ Firms will submit a copy of license to officer-in-charge of IIT Jodhpur.
19. The Agency/ Firm would sign and give an undertaking as per Performa every month for compliance of the provision of Contract Labour Act. Rule and other Law as applicable.
20. 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 Jodhpur Courts only and no other court shall have the jurisdiction refer IITJ/CPWD GCC form 7/8 in regard.
21. IIT Jodhpur is a 'No SMOKING ZONE' The Agency/ Firm should ensure that his employees DO NOT SMOKE while working in the IIT Campus. They will also not indulge in drinking alcohol or any other intoxicants. They will not consume drugs and eat pan/ Khaini / tobacco etc. they will not play cards or indulge in gambling on campus.
22. The Agency/ Firm shall keep himself fully informed of all acts and laws of the Central and State Government, all orders, decrees of statutory bodies, tribunals having any jurisdiction or authority, which in any manner may affect their engaged or employed and anything related to carry out the work. All the rules & regulations & byelaws lay down by the local bodies and any other statutory bodies shall be adhered to, by the Agency/ Firm, during the execution of work.
23. Agency/ Firm must employ adult and skilled personnel only. Employment of child labour shall lead to the termination of the contract at the risk and cost of the Agency/ Firm. Agency/ Firm shall deploy/ engage reliable persons at client after proper character and police verification and impose any conditions as per prevailing contractual labour laws for such engagements, take disciplinary action or reward any person at work etc., at its sole costs, risks and responsibilities.
24. Agency/ Firm shall deal with and settle the matters related with unions and shall make sure that no labour disputes / problems are referred to Client. It shall totally indemnify Client in this regard.
25. Agency/ Firm should at all times indemnify Client against all claims, damages or compensation under the provisions of payment of wages Act, 1936; Minimum Wages Act, 1948; Employer's Liability Act, 1938 ; the workmen compensation Act, 1932 ; Industrial Disputes Act, 1947 ; Maternity Benefit Act, 1961 ; or any modification thereof or any other law relating thereto and rules made hereunder from time. Client will not own any responsibility in this regard.
26. All statutory & mandatory deductions as per Government of India & Rajasthan State Government norms shall be deducted from each running bill & final bill of agency/ firm.
27. GST shall be applicable in this contract. NIT and the rules of Govt. of India as notified from time to time shall be followed in items of GST. Presently, 18% GST has been considered in this tender and agency has to quote the rates inclusive of GST.
28. No escalation clause i.e, clause 10CC of IITJ/CPWD GCC form 7/8 is applicable in this NIT/ Contract.
29. Non-Judicial stamp paper worth Rs. 10/- (Ten Rupees only) will be submitted by contractor for execution of agreement between both the parties.
30. No T & P would be supplied by the Institute and contractor will have to make his own arrangement for the required work.
31. The contractors are advised to get acquainted with the proposed work including specifications & its site and additional conditions carefully before quoting. No claim of any sort shall be entertained or account of any site conditions and ignorance of specifications & additional conditions. The work shall be carried out as per the availability of site.
32. The rates quoted by the contractor shall be taken as net and nothing extra shall be paid on any account i.e Royalty, Cartage, GST & stacking of material required at places etc. The rates for different items of

- work shall apply for Heights & Depths, Leads & Lifts unless otherwise specified in the agreement or specifications applicable in the agreement.
33. The agency shall execute the material/items as per list of approved make given in tender document.
 34. The sample of material required in the work brought at site shall be got approved from Engineer –in-Charge before use in execution of work.
 35. All the required materials shall be checked & approved by the Engineer-in-charge on receipt of the same at site before use and rejected material is to be removed from the site immediately.
 36. The sample material required for Testing shall be provided at free of cost by the contractor. Testing charges if any shall be borne by the IIT Jodhpur if satisfactory report and if test results are unsatisfactory then testing charges shall be deducted from bills of contractor. All other expenditure to be incurred on taking sample, conveyance, packing etc. shall be borne by the contractor.
 37. The contractor shall submit a detailed program of work within 7 days of the date of award of work. The Engineer – in- Charge can modify the program and the contractors have to work accordingly.
 38. The contractor shall make his own arrangement to get permission with respect to trucks from the Traffic Police.
 39. No payment shall be made to contractor for any damage caused by the rain or any other natural causes whatsoever during the execution of work.
 40. Some restrictions may be imposed by the security staff of IIT Jodhpur etc. on the work and on movement of labour & material. **No labour camp/ huts shall be allowed in IIT Jodhpur. The contractor shall make his own arrangement for labour huts outside the campus.** However, constructions of cement godown and Chowkidar's hut in the Campus shall be permitted. The contractor shall be bound to follow all such restrictions/ instructions and nothing shall be payable on this account.
 41. The contractor shall be fully responsible for the safe custody of the material issued or brought at site by him for doing the work.
 42. The Malba / Garbage generated at site due to construction activities shall be removed from the site immediately & shall be disposed off by the contractor to the approved dumping site of Jodhpur Municipal Corporation and all statutory approvals from local bodies shall be the sole responsibility of contractor.
 43. The contractor shall clean the site thoroughly of scaffolding materials, rubbish, equipment's left out of his work & dress the site around the building to the complete satisfaction of the Engineer-in-Charge before the work is treated as completed.
 44. Security **deposit @2.5%** will be deducted for entire gross work done including extension period if any, from each installment however, earnest money deposit will be adjusted to security deposit.
 45. **1% (one percent) cess** towards labour welfare fund or as applicable, income tax as applicable and other taxes/ statutory recoveries as applicable will be deducted from the bill of contractor.
 46. **Water charges @ 1% and Electricity charges @ 0.5 %** of gross work done shall be deducted from bills of contractor if electricity and water provided by IIT Jodhpur for this work.
 47. Income tax/other taxes/statutory recoveries as applicable will be deducted from the bill.
 48. Agency must take proper safety measures during the execution of work.
 49. IITJ/CPWD GCC form 7/8 shall form part of NIT and the bidder shall go through GCC before quoting rates and the same shall be deemed to be accepted by bidder if he participates in the tender.
 50. ESI & EPF shall be reimbursed as per norms on production of original receipt of ESI & EPF from contractor specific to this work.
 51. All the statutory obligations which is not covered in the bid document shall be reimbursed on actual basis after submission of proof of payment.
 52. The contractor should arrange his own tools and plants necessary for maintenance of the work. Nothing extra shall be paid on account of tools and plants required for the maintenance.
 53. Boarding and lodging of the maintenance staff of the contractor will be the responsibility of the contractor.

54. The contractor shall authorize his representative to be responsible for supplying the required material from the Department for day to day maintenance work & dismantle material is to be return back to the department daily.
55. The Staff Employed by the contractor shall be at the sole responsibility and liability of contractor and they will be employee of the contractor and all expenses in connection with these Employees shall be borne by the contractor. Department shall not bear any liability whatsoever for these staff. The contractor shall provide at his own cost all statutory benefits to the staff employed by the contractor and department will not entertain any liability whatsoever on this account.
56. The contractor shall be solely responsible for compliance with various statutory obligations (including the financial liabilities) under the contractor labour regulation minimum wages act and other applicable laws and rules framed there from time to time.
57. The work is annual repair and maintenance of HVAC infrastructure, thereby, validity for the work shall be 01 year from the date of commencement. Accordingly, the contractor shall be supplying the material and services as and when required basis throughout the year, if the material/services is not supplying within the given timeframe, then a penalty/recovery shall be imposed as under: -
- If material/services is not provided within 48 Hours/ 2 days after lodge @ 100/- per material/services per day.
 - If material/services is not provided within 120 Hours/ 5 Days after lodge @ 300/- per material/services per day.
58. IIT Jodhpur provides internet connection for accessing email or software module for maintenance activity subject to availability of network connectivity on chargeable basis as per Institute prevailing norms (Tentative amount Rs. 6000/- for six months). However, if network is not available in the provided space for maintenance activity, contractor shall have to arrange all the material required for internet connectivity.
59. IIT Jodhpur shall provide the electricity connection for maintenance office and maintenance work subject to availability of power on chargeable basis as per institute prevailing norms. Necessary cable, energy meter and other accessories required for metering connection shall be provided by the contractor with due consent from Engineer In charge.
60. Bad workmanship whenever noticed and conveyed to the contractor, verbally or expressed, shall be rectified by the contractor at his own cost and to the satisfaction of the Engineer- in- Charge.
61. If any employee of the contractor goes to any court/conciliation officer/labour court or another legal authority etc. in or anywhere in India at any time under this contract the department shall not be made a party of it in any way by the employees of the contractor or by contractor himself. This fact should be clearly and legally told to all his employees by the contractor, and the contractor shall be fully responsible for all losses/damages, misconduct etc. arise on this contract.
62. The contractor shall pay all legal wages/dues/allowances to all his employees always covered under this contract and can quote his rates accordingly in this tender/offer. The contractor should not deny such things to any of his employees on the pretext that such things are not covered by the present contract/agreement.
63. The cleaning of the entire system components, its various equipment's and Components, control panels, rooms etc. shall always be the responsibility of the contractor. All the materials needed for it like brooms, cleaning powder, dhotis, cotton waste etc., shall be arranged by the contractor at his own cost.
64. The contractor shall give his telephones nos. both landline & mobile, for any emergency complaints and any change in them shall be informed to the department immediately.
65. The staff employed by the contractor shall in no case will be eligible for absorbing in the department.
66. Before the start of contract, the contractor is bound to submit the following details of the workers proposed to be engaged by him:
- Name and Postal Address.
 - Photograph with specimen signature, addhar card/Voter ID etc as proof of identity.
 - Qualification and Experience.

67. The Contractor is fully responsible for the workmen deployed at site under this contract for safety, accident, any mishap occurs or any other unwanted misery at site. IITJ is not responsible/liable for any kind of compensation, treatment or any kind of favour.
68. The work shall be done in full co-operation with other agencies working at site. The staff deputed shall be soft-spoken, well-behaved and physically fit.
69. Contractor has to ensure Mobile phone & sufficient balance amount of recharge value with employees deputed at site for proper communication. He has to give their mobile number to the IITJ Engineers concerned, nothing extra will be paid on this account.
70. The department is at liberty of discontinuing the contract if the performance is not found satisfactory, in accordance with the terms and conditions without assigning any reason.
71. Some of the Installation is under Defect Liability Period, it is the duty of contractor to provide the details of defect occurred of non-consumable items immediately to IITJ Engineer of work. The DLP Agency shall provide the replacement of defective material and contractor must install it on timely basis without any extra cost.
72. Institute reserves the right to remove /reduced/or increases the scope of work at any time.
73. GCC and other relevant clauses / manuals of CPWD shall be part of this Tender document unless and otherwise specified.
74. Material make list should be as per approved material given in the tender, until or unless individual items make/model no. specified in BOQ.
75. Final payment shall be made only after satisfactory supplying of the material/service to the satisfaction of Engineer in-charge.
76. Failure to comply with any of the above clauses or due to unsatisfactory performance as observed by Engineer-in-charge, the contract shall be terminated at any stage without assigning any reason thereof.
77. The contractor will supply the material/services as and when required basis.
78. The IIT Jodhpur will share the requisition of material/services to the contractor. The contractor will share the brand/make of material and its expected delivery, which will be provided. If engineer in charge approve the brand/make, then material can be provided at IIT Jodhpur store.
79. The contractor shall comply with all applicable safety regulations and ensure the safety of personnel, equipment, and the public. The contractor shall provide necessary protective equipment, training, and supervision. In the event of any accident, injury, or damage arising out of or in connection with the execution of the work, the Contractor shall bear full responsibility including immediate medical assistance to injured persons, Reporting the incident to the appropriate authorities as required by law, bearing all costs related to treatment, compensation, insurance claims, and legal liabilities, Repairing or replacing any damaged property at their own cost.
80. If contractor deny to execute the work after issuing the work order, then EMD/PBG will be forfeited and disciplinary action will be initiated against contractor.

LIST OF APPROVED MATERIALS:

S. No.	Material	Approved makes
1	Butterfly valve	CASTLE, ADVANCE, L&T VALVES
2	Pipes (MS/GI)	TATA, JINDAL(Hissar), SAIL
3	Ball Valve	RAPID CONTROL, CIM, SKS, L&T VALVES
4	Air release valve	CASTLE, LEADER
5	Non Returning valves	KIRLOSKAR, ZOLOTO, AUDCO
6	Pressure gauges	FIEBIG, H.GURU, DANFOSS
7	Motors	ABB, SIEMENS, BHARAT BIJLEE, KIRLOSKAR, CROMPTON GREAVES
8	Hi wall Fan coil units	Edgetech, Zeco, Midea, Carrier
9	Balancing valves	ADVANCE, CASTLE
10	Thermostat and Actuator	ANERGY, SIEMENS, HONEYWELL, RAPID CONTROL, Belimo
11	Drain pump	Aspen, Blue diamond, Sauremann
12	Water cooler	Bluestar, Voltas, Usha
13	Motorized valve	Honeywell, Belimo, Danfoss, Siemens, Rapid control
14	MCB	SIEMENS (BETA GUARD), L&T(AU), SCHNEIDER (ACTI 9), LEGRAND (DX 3), HAGER
15	Contactors & Add on block	L&T, SIEMENS, SCHNEIDER, HAGER, LEGRAND, ABB
16	Overload relays	L&T, SIEMENS, SCHNEIDER, LEGRAND, ABB
17	Lugs and Ferrules	DOWELLS, JAINSON, COMMEX, GRIPWELL, HENSEL, DOWELL
18	Anemometer	Testo, Fluke, Lutron
19	Jet spray pump	Nilfisk, STARQ, BOSCH, Eureka Forbes
20	Copper wires and cables	UNISTAR, NATIONAL, RALLISON, KEI, HAVELLS POLYCAB, RR KABEL
21	Nitrile rubber insulation	Armacell (Armaflex), K-Flex, Aeroflex (ALP)
22	AHU Belts	Fenner, Optibelt, Mitshuboshi
23	CPVC Pipe	Supreme, Finolex, Astral
24	Compressor	Daikin, Carrier, Emerson Copeland
25	Capacitor	Tibcon, Epcos, Arcos, Havells
26	Digital Temperature meter	HTC, Meco, Generic
27	Sound level meter	HTC, Fluke, Meco
28	Hammer machine	Bosch, IBELL, Ingco
29	Digital Clamp Meter	Moglix, Meco, Fluke
25	PPEs Kit	HONEYWELL, KUSAM MECO, 3M, JOHANSON & JOHANSON, KARAM.

Note: Superintending Engineer, IIT Jodhpur reserves the right to add or delete any material and brands in the list of preferred material/brands on the recommendation of Engineer-In -charge.

Schedule of Quantities

Name of work - Annual, Repair and Maintenance of Heat Ventilation and Air Conditioning (HVAC) system of IIT Jodhpur

Sr. No.	Description	Unit	Quantity	Unit Rate	Total
Plant Side (From HVAC PLANT to entry of Low side till AHU)					
1	Supplying of capacitor for AC & others				
a	1.5 mfd	Nos.	200	24	4800
b	2.5 mfd	Nos.	40	32	1280
c	4 mfd	Nos.	40	42	1680
d	6 mfd	Nos.	40	56	2240
e	10 mfd	Nos.	40	100	4000
f	50+6 mfd, 50+4 mfd, 50+2 mfd	Nos.	30	354	10620
g	80 mfd	Nos.	40	325	13000
h	100 mfd	Nos.	20	574	11480
2	Supplying of bearing of motors				
a	6210	Nos.	8	673	5384
b	6209	Nos.	4	639	2556
c	6309	Nos.	4	1302	5208
d	6310	Nos.	8	1276	10208
e	6314	Nos.	4	3446	13784
3	Supplying NON RETURN VALVE cast Iron double flange as per IS/5312 PN 1.6 rating complete with Bronze body & wedge Stainless Steel spindle, Gland packing, Rubber gasket				
a	50 mm	Nos.	10	4242	42420
b	65 mm	Nos.	10	4849	48490
c	80 mm	Nos.	10	5594	55940
d	100 mm	Nos.	4	8465	33860
e	125 mm	Nos.	4	13183	52732
f	150 mm	Nos.	4	15013	60052
g	200 mm	Nos.	2	25640	51280
h	250 mm	Nos.	2	40929	81858
i	300 mm	Nos.	2	55593	111186
4	Supplying of Flange Set G.I. with Bolt				
a	25 mm	Nos.	200	141	28200
b	32 mm	Nos.	200	141	28200
c	40 mm	Nos.	100	141	14100
d	50 mm	Nos.	100	141	14100
5	Supplying of natural plain rubber gasket of following thickness				
a	2 mm thickness	Sq Mtr.	20	1611	32220
b	4 mm thickness	Sq Mtr.	50	2910	145500
6	Supplying of Auto air band raiser				

a	20 mm	Nos.	25	2345	58625
b	25 mm	Nos.	25	2767	69175
7	Supplying of Balancing Valve With Built in Mesasuring Facility with C I body flanged construction with EPDM coated disc with long pitch with protected out pipe insulation & PN 16 pressure rating for chilled / hot water circulation as specified.				
a	100 mm	Nos.	2	17065	34130
b	125 mm	Nos.	2	23420	46840
c	150 mm	Nos.	2	31158	62316
d	200 mm	Nos.	1	64930	64930
e	250 mm	Nos.	1	102750	102750
f	300 mm	Nos.	1	122425	122425
g	350 mm	Nos.	1	262080	262080
8	Supplying of Butterfly Valve PN 1.6 rating Gear Box Type				
a	65 mm	Nos.	10	2755	27550
b	80 mm	Nos.	10	3052	30520
c	100 mm	Nos.	10	4234	42340
d	125 mm	Nos.	10	5349	53490
e	150 mm	Nos.	3	6154	18462
f	200 mm	Nos.	3	11772	35316
g	250 mm	Nos.	3	16543	49629
h	300 mm	Nos.	3	20633	61899
i	350 mm	Nos.	3	29469	88407
j	400 mm	Nos.	1	38238	38238
9	Supplying of GI pipe as par IS/1239 ISI MARKED C Class (heavy)				
a	20 mm	Metre	36	220	7920
b	25 mm	Metre	36	219	7884
c	32 mm	Metre	36	275	9900
d	40 mm	Metre	36	320	11520
e	50 mm	Metre	36	397	14292
f	65 mm	Metre	30	506	15180
10	Supplying of Pipes of sizes 150mm & below shall be M.S. 'C' class as per IS : 1239 and pipes size above 150mm shall be welded black steel pipe heavy class as per IS: 3589, from minimum 6.35mm thick M.S. Sheet for pipes upto 350 mm dia. and from minimum 7mm thick MS sheet for pipes of 400 mm dia and above.				
a	20 mm	Metre	36	143	5148
b	25 mm	Metre	36	379	13644
c	32 mm	Metre	36	470	16920
d	40 mm	Metre	36	545	19620
e	50 mm	Metre	18	774	13932
f	65 mm	Metre	18	984	17712

g	80 mm	Metre	18	1231	22158
h	100 mm	Metre	18	1798	32364
i	125 mm	Metre	18	2224	40032
j	150 mm	Metre	6	2642	15852
k	200 mm	Metre	6	4328	25968
l	250 mm	Metre	6	5403	32418
m	300 mm	Metre	6	6439	38634
n	350 mm	Metre	6	7170	43020
o	400 mm	Metre	6	13903	83418
p	450 mm	Metre	6	16675	100050
q	500 mm	Metre	6	18880	113280
r	600 mm	Metre	6	23478	140868
11	Supplying of Aluminium Lugs				
a	6 mm	Nos.	10	2	20
b	10 mm	Nos.	10	3	30
c	16 mm	Nos.	10	4	40
d	25 mm	Nos.	10	5	50
e	35 mm	Nos.	10	6	60
f	50 mm	Nos.	10	10	100
g	70 mm	Nos.	10	15	150
h	95 mm	Nos.	10	16	160
i	120 mm	Nos.	10	22	220
j	150 mm	Nos.	10	29	290
k	240 mm	Nos.	10	61	610
l	300 mm	Nos.	10	86	860
12	Supplying of rubber bellows				
a	200 mm	Nos.	5	7396	36980
b	250 mm	Nos.	5	12458	62290
c	300 mm	Nos.	5	14589	72945
13	Supplying of Y strainer ball valve				
a	20 mm	Nos.	100	548	54800
b	25 mm	Nos.	30	848	25440
c	32 mm	Nos.	30	1466	43980
d	40 mm	Nos.	20	2191	43820
14	Supplying of liquid pressure gauge with syphon pipe including ball valve	Nos.	40	3339	133560
15	Supplying of 12 VA flush mount room digital thermostat	Nos.	20	1888	37760
16	Suppling thermal overload Relay				
a	0-5 amp MN2	Nos.	50	1108	55400
b	6-12 Amp. MN2	Nos.	10	1108	11080
c	12-25 Amp. MN2	Nos.	10	1115	11150
d	25- 50 Amp. MN5	Nos.	5	2737	13685
e	50 – 75 Amp. MN5	Nos.	5	3161	15805
f	9-15 Amp. MN 5	Nos.	5	2222	11110
g	14-23 Amp MN5	Nos.	5	2222	11110

17	Supplying Contactor for AC 3 Pole 220 V				
a	MNX 50	Nos.	10	4717	47170
b	MNX80	Nos.	10	8015	80150
c	MNX 95	Nos.	10	12443	124430
d	MNX 9	Nos.	25	652	16300
e	MNX 32	Nos.	5	2248	11240
f	MNX 18	Nos.	5	893	4465
18	Supplying Add on aux. contact block				
a	2 NO + 2 NC	Nos.	20	407	8140
b	1 NO + 1 NC	Nos.	20	407	8140
19	Supplying Pipe aluminium Cladding 0.63mm insulation	Sq.Mtr	50	461	23050
20	Supplying Secondary Pump Pin bush Coupling Bolt Set P-3	Nos.	42	83	3486
21	Supplying Primary Pump pin bush Coupling Bolt Set P-2	Nos.	42	61	2562
22	Supplying of fenner rubber Coupling tyre				
a	FTC - 014	Nos.	4	1512	6048
b	FTC - 013	Nos.	4	1448	5792
c	FTC - 015	Nos.	4	2281	9124
d	FTC - 016	Nos.	4	3030	12120
e	FTC - 017	Nos.	4	3805	15220
			Total - 'A'		₹ 40,18,176.00
One Time & PPE					
23	Supplying Digital Temperature & RH Meter with tabletop wall mounted 9 volt 2AA betteries etc. equipped with latest technology	Nos.	1	2822	2822
24	Supplying Digital Sound Level Meter equivalent to Make & Model- Meco 970P	Nos.	1	2407	2407
25	Supplying of 5 Steps Aluminium Heavy Duty Foldable Ladder with Platform	Nos.	4	4836	19344
26	Supplying of 8 Steps Aluminium Heavy Duty Foldable Ladder with Platform	Nos.	4	6405	25620
27	Supplying Hammer machine with drill and braker bosch 26 mm bit size	Nos.	1	9084	9084
28	Supplying of Chisel				
a	19 mm with rubber handle	Nos.	2	963	1926
b	12 mm with rubber handle	Nos.	2	795	1590
29	Supplying Hammer 1.5 KG	Nos.	2	537	1074

30	Supplying of Anemometer Sensor head diameter 70 mm Wind temperature Resolution 0.1°C Wind speed Range 0.40 to 25.00 m/s Wind speed Resolution 0.01 m/s Wind temperature Range 0°C to 50°C Auto Switch Off Enter the sleep mode after 20 minutes (can be disabled) to save power Battery Life 100 hours Operating Humidity Max. 80 % RH Power Supply 9 V battery (heavy-duty alkaline) Air Velocity 0.40 to 10.00 m/s, 10.00 to 25.00 m/s Display Dual-screen 4-digit (9999 points) LCD screen Type of Product Anemometer Weight 363 g Air Flow Range 0.01 to 99.99 m3/s Resolution 0.01 m/s Dimension 181x71x38 mm (Main Instruments) Operation Temperature 32 °F to 122 °F CFM 1 ft to 9999 ft3/min etc. completely equipped with latest technology	Nos.	1	24341	24341
31	Supplying of Industrial leather Safety Shoes	Nos.	30	590	17700
32	Supplying of High Density Safety Helmet	Nos.	30	266	7980
33	Supplying of Welding Torch for brazing	Nos.	2	256	512
34	Supplying of Digital Clamp meter	Nos.	5	1467	7335
35	Supplying of Nitrogen cylinder with 10 litre gas	Nos.	1	7047	7047
36	Supplying of Gas Cylinder with gas				
a	R-22, 10 kg cylinder with gas	Nos.	1	15746	15746
b	R-32, 8 kg cylinder with gas	Nos.	1	12166	12166
c	R-410, 9 kg cylinder with gas	Nos.	1	12638	12638
d	R-134a 10 Kg cylinder with gas	Nos.	1	14119	14119
37	Supplying of Wash Bag				
a	For Split AC Service	Nos.	10	833	8330
b	For Cassette AC Service	Nos.	2	1217	2434
38	Supplying of Two Stage Vacuum Pump	Nos.	1	26058	26058
39	Supplying of Jet spray pump pressure 120 bar horizontal type with gun	Nos.	4	13030	52120
			Total - 'B'		₹ 2,72,393.00
HVAC Material					
40	Supplying Fastener MS Cadmium Plated 10 mm per piece	Nos.	100	9	900
41	Supplying and drawing following sizes of FRLS/HFFR PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.				
a	4 x 2.5 sq. mm	Mtr.	100	189	18900
42	Supplying of Black elastomeric nitrile rubber tube insulation of following thickness of per mtr. length for the SS double braided flexible connector flexible shall be duly insulated with closed cell of minimum 80 kg/m3 density, thermal conductivity 0.037W/MK or better at 20 deg mean temperature class 'O' insulation applied by suitable adhesive. (PN 16 Tested)				
a	9 mm	Mtr.	100	45	4500

b	13 mm	Mtr.	100	47	4700
c	19 mm	Mtr.	50	61	3050
d	25 mm	Mtr.	50	69	3450
e	32 mm	Mtr.	50	83	4150
43	Supplying of following capacity single skin Hi-wall fan coil unit complete with row deep cooling coil, cordless remote-control handset with Inbuilt 2 way on/off Motorized Valves and three speed fans including ball valve, Y strainer valve, T fitting, actuator, flanges at drain pipe for cleaning provision and other plumbing accessories, connection with flexible pipe etc. complete as required	Nos.			
a	1.0 TR 400 cfm air quantity	Nos.	5	15920	79600
b	1.5 TR 600 cfm air quantity	Nos.	5	19509	97545
c	2.0 TR 800 cfm air quantity	Nos.	8	22188	177504
44	Supplying of AHU Belts				
a	B-79	Nos.	15	199	2985
b	B-80	Nos.	15	209	3135
c	B-86	Nos.	15	227	3405
d	B-56	Nos.	15	372	5580
e	B-59	Nos.	15	320	4800
f	B-77	Nos.	15	220	3300
g	A-21	Nos.	40	219	8760
h	A-22	Nos.	40	231	9240
i	A-23	Nos.	40	227	9080
j	A-26	Nos.	40	223	8920
k	A-28	Nos.	20	213	4260
l	A-30	Nos.	20	229	4580
m	A-31	Nos.	20	217	4340
n	A-32	Nos.	20	208	4160
o	A-34	Nos.	40	218	8720
p	A-37	Nos.	20	215	4300
45	Supplying of PIC valve with actuator thermostate				
a	25 mm	Nos.	50	11637	581850
b	32 mm	Nos.	50	12775	638750
c	50 mm	Nos.	50	19961	998050
46	Supplying of Ball valve (Brass)				0
a	20 mm	Nos.	50	548	27400
b	25 mm	Nos.	15	848	12720
c	32 mm	Nos.	15	1466	21990
d	40 mm	Nos.	15	2191	32865
47	Supplying of Water flow switch	Nos.	10	8328	83280
			Total - 'C'		₹ 28,80,769.00
Low side AC units					

48	Supplying of Insulation for copper pipe 6 mm thick tube				
a	3/8	Nos.	20	32	640
b	5/8	Nos.	20	45	900
c	1/2	Nos.	20	38	760
d	1/4	Nos.	20	26	520
49	Supplying of Insulation for copper pipe 9 mm thick tube				
a	1/4	Nos.	20	32	640
b	3/8	Nos.	20	38	760
c	5/8	Nos.	20	51	1020
d	1/2	Nos.	20	45	900
50	Supplying of Electrothermic Actuator 230 V NC for Hi-wall units	Nos.	100	2259	225900
51	Supplying of Condensate Drain Pumps Floita + DE05LCC440 Max. Flow 550L/h Max. rec. Head 5m (Flow Rate 55L/h) Ducted Units Floor Standing & Chassis Units Cassette Units	Nos.	20	2956	59120
52	Supplying of mini blanc automatic condensate drain pump for hi-wall unit with following specifications:- Max. flow 12L/h, Max. rec. head 10m (flow rate 4L/h), Sound level 21dB(A) @ 1m and etc. required complete in all respect	Nos.	50	5972	298600
53	Supplying of rubber bush in indoor unit of split type Air conditioning unit	Nos.	20	192	3840
54	Supplying of insulation tape 18 meter (Pack of 6) 2 inch width	Nos.	100	455	45500
55	Supplying of Wall stand with fastener for Split AC Outdoor unit	Nos.	20	448	8960
56	Supplying of 6/16 Amps Plug top / Adapter ISI marks complete with PRCD as required in all respect.	Nos.	50	97	4850
57	Supplying of Indoor Blower motor of Split AC	Nos.	5	2819	14095
58	Supplying of M-seal 100 gm	Nos.	20	102	2040
59	Supplying of Solvent For pvc Drainpipe 100 ml	Nos.	50	77	3850
60	Supplying of T-joint for Drainpipe (25-32mm)	Nos.	10	45	450
61	Supplying of PVC Drainpipe Adapter (25-32mm) with brass thread	Nos.	10	192	1920
62	Supplying of Socket for Drainpipe (25-32mm)	Nos.	10	32	320
63	Supplying of Elbow for Drainpipe (25-32mm)	Nos.	20	38	760
64	Supplying of Filter Dryer (Double Capillary Tray) copper 15 gm and 25 gm	Nos.	10	128	1280
65	Supplying of Copper thimble				
a	4 mm ring type	Nos.	20	8	160
b	10 mm ring type	Nos.	20	11	220
c	16 mm ring type	Nos.	20	15	300
d	4 mm pin type	Nos.	20	6	120
e	10 mm pin type	Nos.	20	12	240
f	16 mm pin type	Nos.	20	15	300
66	Supplying of Brass dead cap				

a	1/4 pack of 4	Nos.	10	217	2170
b	3/8 pack of 4	Nos.	10	268	2680
c	1/2 pack of 2	Nos.	10	214	2140
67	Supplying of Cooper refrigerant piping (Soft drawn) with tube thickness 1.2 mm with 19 mm thick insulation Soft/hard drawn copper refrigerant piping for VRV/VRF system, complete with fittings of following capacity.				
a	6.4 mm dia (OD)	Mtr.	20	228	4560
b	12.7 mm dia (OD)	Mtr.	20	433	8660
c	15.86 mm dia (OD)	Mtr.	20	547	10940
68	Supplying of Spring Tube Bender				
a	5/8 inch	Nos.	5	128	640
b	1/2 inch	Nos.	5	102	510
69	Supplying of Pipe tube bender				
a	5/8 inch	Nos.	5	2050	10250
b	1/2 inch	Nos.	5	1666	8330
70	Supplying of Pressure Gauge with Charging Line	Nos.	2	705	1410
71	Supplying of Flexible PVC drainpipe (Hose Pipe) 100 ft 20 mm diameter	Nos.	20	1628	32560
72	Supplying of 25 mm iron staples/ saddles/ screws(100 Pcs. Packet)	Nos.	100	13	1300
73	Supply of teflon tape	Nos.	50	25	1250
74	Supplying of Electric insulation Tape 6.5 Meter (Pack of 10)	Nos.	100	184	18400
75	Supplying of battery powered digital temperature meter	Nos.	10	379	3790
76	Supplying of PVC Gitti Packet (100 pc)				
a	35*8	Nos.	50	173	8650
b	35*6	Nos.	50	173	8650
77	Supplying of Screw 1.5 inch 35*8	Nos.	200	24	4800
78	Supplying of Breezing flux powder	Kg.	10	1922	19220
79	Supplying of Copper welding rod / Brazing rod	Kg.	2	1601	3202
80	Supplying of Refrigerant gas per kg				
a	R134 a	Kg.	30	961	28830
b	R32	Kg.	50	1153	57650
c	R22	Kg.	50	1409	70450
d	R410	Kg.	50	1153	57650
81	Supplying of Discharge valve 1/4 inch copper	Nos.	10	288	2880
82	Supplying of Suction valve for AC copper	Nos.			
a	5/8 inch		20	461	9220
b	1/2 inch		20	416	8320
c	1/3 inch		20	381	7620
83	Supplying of Fince Swing Motor for Split AC	Nos.	20	705	14100
84	Supplying of PVC casing capping				
a	25*12 mm(2 mtr. Length)	Nos.	20	81	1620
b	20*12 mm(2 mtr. Length)	Nos.	20	76	1520

85	Supplying of Water collecting tray for AC	Nos.	10	577	5770
86	Supplying of 25mm CPVC pipe	Mtr.	60	122	7320
87	Supplying of Smart contactor (AC timer)	Nos.	50	923	46150
88	Supplying of Remote for AC	Nos.	100	577	57700
89	Supplying of Sensor for PCB of AC	Nos.	20	416	8320
90	Supplying of PCBs for AC/DC inverter type indoor unit 1.5 TR S/AC	Nos.	5	8328	41640
91	Supplying of PCBs for AC/DC inverter type indoor unit 2.0 TR S/AC	Nos.	5	8968	44840
92	Supplying of PCBs for 1.5 TR S/AC (Non inverter) IDU	Nos.	5	5765	28825
93	Supplying of PCBs for 2.0 TR S/AC (Non inverter) IDU	Nos.	5	7431	37155
94	Supplying of S/R of rotary type compressor for split AC				
a	1.5 TR	Nos.	5	11787	58935
b	2.0 TR	Nos.	5	14734	73670
95	Supplying of Thermostat switch.	Nos.	20	577	11540
96	Supplying of Outdoor fan motor (35-55 watt)	Nos.	5	2883	14415
97	Supplying of Outdoor fan blade	Nos.	5	1537	7685
98	Supplying of Indoor fan motor (15-35 watt)	Nos.	5	2819	14095
99	Supplying of Indoor fan motor blower	Nos.	5	2819	14095
100	Supplying of Indoor coil sensor	Nos.	5	416	2080
101	Supplying of Outside Temp & Humidity Sensor with radiation Air/room sensor shield. Measuring Range: Temp:- -15 to 50 0C & RH 0-100%, Accuracy: +/- 1 0C +/- 3 %	Nos.	5	8296	41480
102	Supplying of 1 set (2 nos. of braided pipe) 3/4" of following length SS double braided flexible AC pipe with connector for connecting chilled water supply and return pipes of corridor with chilled water Hi-Wall unit inside the room of the hostel area with Hex Nipple etc. complete as required, The pressure bearing capacity of the SS braided pipe should be 20kg or above. Agency have to submit pressure testing report.				
a	1000 mm	Nos.	20	1380	27600
b	600 mm	Nos.	20	1133	22660
c	400 mm	Nos.	20	890	17800
103	Supplying of Copper pipe flare nut diameter (Brass)				
a	1/4	Nos.	20	51	1020
b	1/2	Nos.	10	77	770
c	5/8	Nos.	10	122	1220
d	3/4	Nos.	10	192	1920
104	Repairing of PCB of AC units				
a	Hi wall fan coil units	Nos.	100	2050	205000
b	Splits AC indoor unit	Nos.	10	2562	25620
c	Split AC outdoor unit	Nos.	10	3459	34590
d	Tower AC indoor unit	Nos.	3	4100	12300

e	Tower AC outdoor unit	Nos.	3	5381	16143
f	Cassette AC indoor unit	Nos.	3	3459	10377
g	Cassette AC outdoor unit	Nos.	3	6022	18066
h	Ductable AC indoor unit	Nos.	3	4740	14220
i	Ductable AC outdoor unit	Nos.	3	9609	28827
105	Supplying of motor for Hi wall fan coil unit				
a	Short shaft motor	Nos.	40	2388	95520
b	Long shaft motor	Nos.	40	3800	152000
106	Supplying of 3 phase, foot mounted, 4 pole motor for Air handling unit(AHU)	Nos.	5	10761	53805
107	Supplying of Glass fuse 3 Amp.	Nos.	300	10	3000
			Total - 'D'		₹ 23,51,110.00
Water cooler					
108	Supplying of water cooler				
a	80 Ltr.	Nos.	5	37459	187295
b	120 Ltr.	Nos.	5	48859	244295
c	150 Ltr.	Nos.	5	63517	317585
109	Supplying of Reciprocating Compressor water cooler for 80/120/150 litres capacity	Nos.	20	10152	203040
110	Supplying of Copper Non Return Valve (1/4)	Nos.	50	64	3200
111	Supplying of Fan blade for water cooler	Nos.	20	961	19220
112	Supplying of Fan motor for water cooler	Nos.	40	2370	94800
113	Supplying of Capillary with filter 0.36" to 0.64"	Foot	100	51	5100
114	Supplying of Water cooler Condenser coil	Nos.	5	3203	16015
			Total - 'E'		₹ 10,90,550.00
Motor and Pump maintenance					
115	Dismantling, General servicing, Testing, Reinstallation & Commissioning of existing Motor/Pump including Clear out dirt and debris from bearings and grease them, check overall pump/motor systems for leaks and clean the pumping/motoring system surroundings, Resolve pump and motor for any vibration damage, Grease bearings as per need, Change the oil in bearing systems, replacement of bearing, Check all hold down bolts for tightness to reduce vibration, Inspect shaft pump alignment, Inspect coupling alignment, Check oil levels and refill as per need, Inspect impeller for erosion, Maintenance of mechanical seal if needed, Check for excessive pump vibration or unusual noises etc. Submit checklist (provide by IITJ) with filled all parameter i.e. voltage, current, winding/body temperature, resistance, megger/insulation resistance, rpm etc. All complete required to make motor/pump efficiently functional				
A	0 HP<Motor/Pump<=1 HP	Nos.	20	443.00	8860.00
B	1 HP<Motor/Pump<=3 HP	Nos.	10	891.00	8910.00
C	3 HP<Motor/Pump<=8 HP	Nos.	10	1850.00	18500.00

D	8 HP<Motor/Pump<=15 HP	Nos.	10	2741.00	27410.00
E	15 HP<Motor/Pump<=30 HP	Nos.	5	7853.00	39265.00
F	30 HP<Motor/Pump<=60 HP	Nos.	5	10594.00	52970.00
G	60 HP<Motor/Pump<=75 HP	Nos.	5	14843.00	74215.00
116	Dismantling, Testing, Reinstallation & Commissioning of Motor/Pump and replacement of main motor stator's worn out or failed winding along with replacement of main and drive bearing set, insulation paper, varnish, connecting copper leads of suitable quality, glass rings, tape rolls, copper rings, primer varnish, epoxy insulation etc. complete as required make motor/pump efficiently functional				
A	0 HP<Motor/Pump<=1 HP	Nos.	20	2493.00	49860.00
B	1 HP<Motor/Pump<=3 HP	Nos.	10	3589.00	35890.00
C	3 HP<Motor/Pump<=8 HP	Nos.	10	5097.00	50970.00
D	8 HP<Motor/Pump<=15 HP	Nos.	10	8949.00	89490.00
E	15 HP<Motor/Pump<=30 HP	Nos.	5	14020.00	70100.00
F	30 HP<Motor/Pump<=60 HP	Nos.	5	44858.00	224290.00
G	60 HP<Motor/Pump<=75 HP	Nos.	5	72270.00	361350.00
			Total - 'F'		₹ 11,12,080.00
	Net Total				₹ 1,17,25,078.00

PRICE BID

<u>Percentage BoQ</u>						
Tender Inviting Authority:						
Name of Work: Annual, Repair and Maintenance of Heat Ventilation and Air Conditioning (HVAC) system of IIT Jodhpur						
Contract No: IITJ/OIE/2026-27/26						
Name of the Bidder/ Bidding Firm/ Company:						
<u>PRICE SCHEDULE</u>						
(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)						
NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With Taxes in Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	6	7
1	Annual, Repair and Maintenance of Heat Ventilation and Air Conditioning (HVAC) system of IIT Jodhpur	1.000	Nos	1,17,25,078.00	1,17,25,078.00	INR One Crore Seventeen Lakh Twenty-Five Thousand Seventy-Eight Only
Total in Figures					1,17,25,078.00	INR One Crore Seventeen Lakh Twenty-Five Thousand Seventy-Eight Only
Quoted Rate in Figures			Select		0.00	INR Zero Only
Quoted Rate in Words		INR Zero Only				