



NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI – 15

Web: www.nitt.edu

Phone: 0431-2503830

e-Procurement Notice

Ref: NITT/EMD/AE(R&AC)/Enq.No.11C/CAMC-AC/GROUP-I/2020-21

Dated: 06.7.2021

Online tenders are hereby invited in **three cover system** from Indian Nationals for **Tender for the Comprehensive Annual Maintenance Contract (spare parts wise) of 1020 Nos. various Brand/Capacity/Window/ Hi wall Split Air-conditioning units installed in NIT, Tiruchirappalli – 620 015. Tamilnadu. (listed in Annexure - A)**

Bidders can download complete set of bidding documents from e- procurement Platform <http://eprocure.gov.in/eprocure/app> from **28.07.2021** onwards. Bidders need to submit the bids online for the interested items by uploading all the required documents through <http://eprocure.gov.in/eprocure/app>.

Last Date/ Time for receipt of bids through e-procurement is: 28.07.2021(03.00PM) (Server time).

Late bids shall not be accepted.

For further details regarding Tender Notification & Specifications please visit website:

<https://eprocure.gov.in/eprocure/app> and www.nitt.edu

CRITICAL DATE SHEET

Published Date	06.07.2021 (06.00PM)
Bid Document Download Start Date	06.07.2021 (06.00PM)
Clarification Start Date	06.07.2021 (06.00PM)
Clarification End Date	06.07.2021 (11.30AM)
Bid Submission Start Date	06.07.2021 (06.00PM)
Bid Submission End Date	27.07.2021 (03.00PM)
Bid Opening Date(Technical)	28.07.2021(03.30PM)
Bid Opening Date(Price)	Will be announced after technical evaluation

Note:*Bidder should submit the EMD as specified in the tender. The hard copy should be posted / couriered / deposit in person to the Central Dispatch section / Tender Inviting Authority, within bid submission due date and time as indicated in the tender. Scanned copy of the instrument should be uploaded as part of the offer.

NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI – 15

Estate Maintenance Department

Web: www.nitt.edu

Phone: 0431-250 3830



Tender Document (e - Procurement)

Name of Work/ Service	:	Tender for the Comprehensive Annual Maintenance Contract (spare parts wise) of 1020Nos. various Brand/Capacity/Window/ Hi wall Split Air-conditioning units installed in NIT, Tiruchirappalli – 620 015. Tamilnadu. (listed in Annexure –A)
Tender Notification No	:	NITT/EMD/AE(R&AC)/Enq.No.11C/CAMC-AC/GROUP-I/2020-21
Date	:	06.07.2021
Name of the Department	:	Estate Maintenance Department
EMD Amount	:	Not Applicable (Office Memorandum vide: F.9/4/2020-PPD) valid up to 31.12.2021
Last Date & Time of submission of Tender	:	28.07.2021(3.00 PM)
Address for submission of Tender	:	THE DIRECTOR, NIT TIRUCHIRAPPALLI-15 KIND ATTENTION TO: The Executive Engineer, EMD
Date & Time of opening of technical bid	:	28.07.2021(03.30PM)

Bidding Procedures

Section I: Instructions for Online Bid Submission

Instructions to the Bidders to submit the bids online through the Central Public Procurement Portal for e Procurement at <https://eprocure.gov.in/eprocure/app>.

1. Possession of valid Digital Signature Certificate (DSC) and enrollment / registration of the contractors / bidders on the e-Procurement/e-tender portal are prerequisite for e-tendering.
2. Bidder should register for the enrollment in the e-Procurement site using the “[Online Bidder Enrollment](#)” option available on the home page. Portal enrollment is generally free of charge. During enrollment / registration, the bidders should provide only valid and true information including valid E-mail id. All the correspondence shall be made directly with the contractors/bidders through E-mail id as registered.
3. Bidder need to login to the site through their user ID / password chosen during enrollment / registration.
4. Then the Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by SIFY/ TCS / nCode / eMudra or any other Certifying Authority recognized by Controller of Certifying Authorities (CCA) India on eToken / Smartcard, should be registered.
5. The registered DSC only should be used by the bidder in the transactions and should ensure safety of the same.
6. Contractor / Bidder may go through the tenders published on the site and download the tender documents/schedules for the tenders.
7. After downloading / getting the tender document/schedules, the Bidder should go through them carefully and then submit the documents as required, otherwise bid will be rejected.
8. Any clarifications may be sought online through the tender site, through the contact details or during pre-bid meeting if any. Bidder should take into account the corrigendum if any published before submitting the bids online.
9. Bidder may log in to the site through the secured login by the user id / password chosen during enrolment / registration and then by submitting the password of the e-Token / Smartcard to access DSC.
10. Bidder may select the tender in which he / she is interested in by using the search option and then move it to the ‘my tenders’ folder.
11. From my tender folder, he / she may select the tender to view all the details uploaded there.
12. It shall be deemed that the bidder has read and understood all the terms and conditions before submitting the offer. Bidder should go through the tender schedules carefully and upload the documents as asked; otherwise, the incomplete bid shall stand rejected.
13. Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and ordinarily it shall be in PDF /xls / rar / jpg / dwf formats. If there is more than one document, all may be clubbed together and provided in the requested format. Bidders Bid documents may be scanned with 100 dpi with black and white option. It is advisable that each document to be uploaded through online for the tenders should be less than 2 MB. If any document is more than 2MB, it can be reduced through zip / rar and the same if permitted may be uploaded. The file size being less than 1 MB the transaction uploading time will be very fast.
14. The Bidders can update well in advance, the documents such as certificates, annual report details etc., under “My Space option” and these can be selected as per tender requirements and then send along with bid documents during bid submission. This will facilitate the bid submission process faster by reducing upload time of bids.
15. Bidder should submit the Tender Fee / EMD as specified in the tender. The hard copy should be posted / couriered / given in person to the Tender Inviting Authority, within bid submission due date and time as indicated in the tender. Scanned copy of the instrument should be uploaded as part of the offer.

16. The bidder has to select the payment option as offline to pay the Tender FEE / EMD as applicable and enter details of the instruments.
17. The details of the DD / any other accepted instrument, physically delivered, should tally with the details available in the scanned copy and the data entered during bid submission time, otherwise submitted bid shall not be acceptable or liable for rejection.
18. While submitting the bids online, the bidder shall read the terms and conditions and may accept the same to proceed further to submit the bid packets.
19. The bidder has to digitally sign and upload the required bid documents one by one as indicated. Very act of using DSC for downloading the bids and uploading their offers shall be deemed to be a confirmation that they have read, understood and agreed with all clauses of the bid document including General conditions of contract without any exception.
20. The bidder has to upload the relevant files required as indicated in the cover content. In case of any irrelevant files, the bid may be rejected.

PRICE BID

21. If the price bid format is provided in a spread sheet file like BoQ_XXXXX.xls, the rates offered should be entered in the allotted space only and uploaded after filling the relevant columns. The Priced-bid / BOQ template shall not be modified / replaced by the bidder; else the bid submitted is liable to be rejected for the tender.
22. The bidders are advised to submit the bids through online e-tendering system to the Tender Inviting Authority (TIA) well before the bid submission due date and time (as per Server System Clock). The TIA shall not be held responsible for any delay or the difficulties faced during the submission of bids online by the bidders.
23. The time settings fixed in the server side and displayed at the top of the tender site, shall remain valid for all actions of requesting, bid submission, bid opening etc., in the e-Tender system. The bidders should follow such time during bid submission.

EVIDENCE FOR ONLINE BID SUBMISSION

24. After the bid submission (i.e. after Clicking “Freeze Bid Submission” in the portal), the acknowledgement number indicated by the system should be printed by the bidder and kept as a record of evidence for online submission of bid for the particular tender and also be used as entry pass to participate in the bid opening.
25. All the data being entered by the bidders would be encrypted using Public Key Infrastructure (PKI) encryption techniques to ensure the secrecy of the data. The data entered is not retrievable by unauthorized persons during the bid submission and until the time of bid opening by any person.
26. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid openers’ public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.
27. The confidentiality of the bids is maintained with the use of Secured Socket Layer (SSL) 128 bit encryption technology. Data storage encryption of sensitive fields is done.
28. The bidder should logout of the tendering system using the normal logout option available at the top right hand corner and not by selecting the (X) exit option in the browser.
29. For any queries regarding e-Tendering process, the bidders may contact at address as provided in the tender document. Parallely for any further queries, the bidders are advised to contact over phone: **1-800-233-7315, 0120-4001005** or send an E-mail to cppp-nic@nic.in.



NATIONAL INSTITUTE OF TECHNOLOGY

TIRUCHIRAPPALLI – 15

NOTICE INVITING TENDER FOR THE COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (SPARE PARTS WISE) FOR SPLIT TYPE AIR CONDITIONERS INSTALLED IN NIT, TIRUCHIRAPPALLI, TAMILNADU.

BID SYNOPSIS	
Tender Reference Number and date	NITT/EMD/AE(R&AC)/Enq.No.11C/CAMC-AC/GROUP- I/2020-21
Brief Description of the Tender	Tender for the Comprehensive Annual Maintenance Contract (Spare parts wise) of 1120 Nos. various Brand/Capacity/ Hi wall Split Air-conditioning units installed in NIT, Tiruchirappalli – 620 015. Tamilnadu. (listed in Annexure –A)
Type of Tender	Two Bid System
Cost of Tender Document	Nil
Web site address for downloading the tender document	The tender document can be downloaded from our website www.nitt.edu
Estimate Value (Rs.)	Rs. 24.26 Lakhs
Earnest Money Deposit (Refundable)	Not Applicable (Office Memorandum vide: F.9/4/2020-PPD) valid upto 31.12.2021
Last date and time for receipt of tender	28.07.2021@ 3.00 P.M
Mode of submission of Tender	Through E-Tender (CPPP)
Date, time and venue Opening of Tender (only technical bid)	28.07.2021@ 3.30 P.M
Validity of the Bid	120 days
Date and time of opening of Price bids	After evaluation of technical bids, the date, time and place of opening of the Price bid will be intimated to technically qualified bidders.
Performance Security bank guarantee	5% of the contract value
Contact information (only Technical queries)	The Executive Engineer, Estate Maintenance Department, NIT, Tiruchy Phone: 0431 – 2503940, 3840, 3836, 3977

Chapter – 1: General Instructions to the Bidders

The National Institute of Technology, Tiruchirappalli (NITT) is an autonomous body under MHRD, GOI, imparting Technical Education and engaged in Research Activities. It is proposed to procure the following component for the Departmental academic/research activities.

National Institute of Technology, Tiruchirappalli (NITT) invites sealed tenders from reputed authorized sales and service dealer's / service providers to carry out comprehensive service for air conditioners installed in the NITT subject to the following terms and conditions on or before scheduled date and time. The duration of the contract initially for a period of **one year and extendable for every one year of maximum two year based on the satisfactory performance and at the discretion of the NITT Management**. The Empowerment in all respect shall be final and binding upon the contractor.

The technical cover will be opened on the same day in the presence of bidders or their authorized agents who may choose to be present

1.1. MINIMUM ELIGIBILITY CRITERIA

The following shall be the minimum eligibility criteria for selection of bidders.

1. Last three years balance sheet and its Income Tax returns. The Bidder should be registered with the Income Tax. Relevant proof in support shall be submitted.
2. Income Tax PAN, GST & TIN number. Relevant proof in support shall be submitted
3. Experience: The Bidder should have experience in the similar field in Government Departments/ Public Sector Undertakings / Other Organizations for the last three years. Relevant proof in support shall be submitted. The service provider shall provide direct service and shall not employ Sub-Contractors. Bidder should have a minimum of three years of experience in the service/maintenance of Air-Conditioners to various organizations/ Government Departments. A list of client list shall be enclosed along with the Technical bid. Supporting documents as evidence of 3 years' experience must be enclosed.
4. Pre-qualification Eligibility Criteria: Pre-qualification Eligibility Criteria: Average gross receipts from Air-conditioning service/AMC during the last three financial years not less than 30% of the given estimated value

Chapter – 2: General Terms and Conditions of Contract.

1. The tender document and terms and conditions can be downloaded from our website www.nitt.edu. The bidders are advised to go through the tender documents and understand the terms and conditions specified therein before submitting the tender.
2. The agency shall dispose the complaints regularly by log into the www.misnew.nitt.edu portal at regular intervals (08.30 a.m., 10.30 a.m, 12.00 p.m, 03.00 p.m, 05.00p.m, 08.00 p.m.).
3. Earnest Money Deposit (EMD): Through one Demand Draft, the bidder is required to furnish Earnest Money Deposit. The Demand Draft should be drawn in favour of The Director, National Institute of Technology, Tiruchirappalli -15. Without EMD, the technical bid will not be opened

and the tender will be rejected summarily. The Tenders/ Bids must be accompanied by Earnest Money Deposit. The bidders who are registered with National Small Industries Corporation (NSIC)/ Micro, Small and Medium Enterprises (MSMEs are exempted from EMD. However, for claiming this exemption, the bidders MUST furnish an attested copy of the exemption certificate indicating Date of registration, validity period of the registration, whether registered for items for which tender has been floated.

4. At the first stage, the envelope containing EMD amount will be opened on date as mentioned as tender opening date in BID Synopsis and at the second stage the envelope containing Technical Bid will be opened on the same day in the presence of the bidders or their authorized representatives, who choose to be present at the time of opening.
5. At the time of opening of Tender, the names of those who have submitted their offers along with the details of their remittance of EMD will only be read out and no other information/ details whatsoever will be shared at this stage.
6. If in any case, unscheduled holiday occurs on prescribed closing/ opening date, the next working day shall be the prescribed date of closing/ opening.
7. Subsequent to evaluation of technical bids, price bids of the technically acceptable offers will be opened for further evaluation and ranking for award of the contract/ purchase order. The date of price bid opening will be intimated to the technically qualified bidders only.
8. The Tender document consisting of Technical Bid and Price Bid should be submitted in the Prescribed Format only.
9. The Bidder must submit his price bid / offer in Indian Rupees only and payments under this contract will be made in Indian Rupees only.
10. The bidders are not allowed to make addition or alteration in the Technical or Price Bid. Each and every page of the submitted bid shall carry the page numbers.
11. The L1 is arrived for price bid. IF L1 refused to accept the order, L2 will be requested to take the order at L1 Price.
12. The bids shall be written in English language and any information printed in other language shall be accompanied by an English translation, in which case for the purpose of interpretation of the bid, the English translation shall govern.
13. Bidders must confirm the acceptance of all the terms and conditions of the tender by signing all pages of the tender document in person or persons duly authorized to sign, on behalf of the bidder along with the official stamp of the bidder.
14. No paper / page shall be detached and No addition or alternation should be made in the tender document. Conditional tender, late and delayed tender will not be accepted/ considered.
15. Printed condition at the back of the letter or bid from the tenderer will be ignored. If it is desired to apply any particular condition to tender, the same must be clearly brought out in the body of the bid/ tender itself.
16. Offers should be clearly written or typed without any cutting or over writing. All cutting / over writing must be initialed and stamped.
17. Making misleading or false representation in the bid document will lead to disqualification of the

bidder resulting in forfeiture of EMD amount.

18. The EMDs of all the unsuccessful bidders will be returned to them at the earliest after issue of purchase/work order.
19. The EMD of Successful bidder will be returned on receipt of Performance Security Deposit / Performance bank guarantee for 5% of the Contract Value. No interest will be payable by the NITT on the EMD & Performance Security Deposit/performance bank guarantee.
20. Validity of bids: The rate quote should be valid for a minimum of 120 days. No claim for escalation of rate will be considered after opening the tender.
21. The Supervisor/technicians/Labors deputed for the job shall be skilled and have sufficient experience.
22. The Supervisor/Technician/ Labors persons should have physical fitness to carry out the works. They should not be transferred without client's concurrence.
23. The bidder shall ensure that the manpower / human resources deployed at NITT conform to the standards prescribed in the Tender Document.
24. The Contractor must ensure that Supervisors /Technicians/Labours /helpers shall work with proper Uniform/Shoes/ID CARDS and other safety accessories like line Tester, instruments mask, Eye glass and gloves etc.,
25. **Facility:** NITT is not liable at any stage to provide accommodation, transport, food, medical, tools, equipment's, vehicles and any other requirement of their personnel and services to the Institute.
26. The Contractor shall take out the complaints throughout out the Day, we will provide access to the site (online complaint portal). On attending the complaints, the report shall be hand over to concerned engineer daily to close the complaints and for inspection.
27. Contractor shall positively observe all safety measures required to be undertaken for safety of persons, laborers, and properties at work site/plant premises/residential premises/public places.
28. The contractor agrees to and does hereby accept full and exclusive liability for the compliance with all obligations imposed and further agrees to defend, indemnify and hold clients harmless for any liability or penalty which may be imposed by the central, state or local authority also from all claims, suits or proceedings that may be brought against the clients arising under growing out of or by reason of the work provided for by this contract whether brought by employees of the contract or by third parties or any central government, state government or local authority for the following Act (s) and liability (s).

ESI and EPF

- Workmen compensation & employers liability insurance.
 - Any other insurance required under law or regulations.
 - Accident or injury to workmen.
29. If any accident takes place at the site during the routine/preventive maintenance, it will be the sole responsibility of the contractor to indemnify the department for any loss arising out of such accidents/ losses theft etc.

30. The Service Provider is responsible for the payment of Minimum Wages (under Central Act) to the personnel deployed by it. In respect of workers deployed under the AMC contract, the Service Provider shall be solely and exclusively responsible for compliance to all statutory provisions under the Labour Laws and there is NO employer employee relationship between NITT and the workers deployed by the Service Provider.
31. **COMPLIANCE WITH LABOUR LAWS:** The contractor, at his own expenses, shall ensure the compliance with all applicable and governing industrial and labour laws and other laws, rules and regulations and BY-LAWS of both Central & State Govt. and all other local authorities. The contractor shall keep the clients harmless and indemnified in respect thereof.
32. **GOVERNING LAWS AND SETTLEMENT OF DISPUTE:** Any claims, disputes and or differences (including a dispute regarding the existence, validity or termination of this Contract) arising out of, or relating to this contract including interpretation of its terms shall be resolved through joint discussion of the Authorized Representatives of the concerned parties. However, if the disputes are not resolved by the discussions as aforesaid within a period 30 days, then the matter will be referred for adjudication to the arbitration of a sole arbitrator to be appointed by the parties in accordance with the provisions of the Arbitration and Conciliation Act 1996 and rules made thereunder including any modifications, amendments and future enactments thereto. The venue for the Arbitration will be THIRUCHIRAPLLI and the decision of the arbitrator shall be final and binding on the parties.
33. If the contractor being an individual or if firm, any partner in the contractor's firm, shall at any time be adjudged insolvent or shall have a receiving order or orders for administration of his estate made against him or shall take any proceedings for liquidation or composition under any insolvency not for the time being in force or shall make any convenience or assignment of his efforts or enter into any arrangements or composition with his creditors or suspend payment of if the firm be dissolved under partnership act, or
34. If the contractor being a company shall pass a resolution or the court shall make an order for the liquidation of the affairs or a receiver of Manager on behalf of the debenture holder shall be appointed or circumstances shall have arisen which entitled the court or debenture holders to appoint a receiver or Manager.
35. If the contractor commits any breach of this contract not herein specifically proved for: Provided always that such determination shall not prejudice any right of action or remedy which shall have accrued or shall accrue thereafter to the purchaser and provided also that the contractor shall be liable to pay the purchaser for any extra expenditure, he is thereby put to but shall not be entitled to any gain on repurchased.
36. Jurisdiction of court: in case of any dispute, the matter will be subject to Tiruchirappalli, Tamil Nadu Jurisdiction only.

2.2. PAYMENTS:

1. All payments shall be made in Indian currency by means of Account payee cheque/RTGS/NEFT. The Contractor submit their Bank account details with invoice.
2. Payment Terms: Payments will be made within 45 days from the date of submission of Quarterly bills. Payment will be made quarterly after satisfactory completion of service on submission of bill on pro rata basis as per Engineer-in-Charge certification.
3. All sums payable by way of compensations under any of the conditions shall be considered as reasonable compensation without reference to the actual loss or damages, which shall have been sustained and shall be recovered from the Bills preferred by the Contractor.
4. The Price are valid for a period of One years. No price escalation shall be entertained by the Client during the period.
5. Client shall be entitled to deduct in accordance with Applicable Law, Income Tax or withholding tax or other deductions (as the case may be), from any payments made to the Contractor, and the amount so deducted shall be deemed to be a payment made to the Contractor. Client shall provide a certificate certifying the deduction so made
6. No payment shall be made in advance nor any loan from any bank of financial institution recommended on the basis of the order of award of work.
7. In addition to the Contract payments, the Client shall pay for any additional Services as and whenever required which are not specified in the Price Schedule, only if the extra work is done with the approval of the competent authority.

2.3 TERMINATION

This Contract may be terminated forthwith by either party by giving Two months written notice to the other if.

1. The other party is in material breach of its obligations under this Agreement and, in the case of such breaches capable of being remedied, fails to remedy that breach within thirty days of receiving notice of such breach; OR the Contract may be terminated forthwith by the Client by giving written notice to the Contractor, if:
2. National Institute of Technology, Tiruchirappalli reserves the right to terminate the contract at any point of time during the tenure of contract, if the services are not found satisfactory. The notice period for termination of contract shall be Two month by either party. However, the service provider shall continue the service on the same terms until a new service provider is take over the contract at the Agreement rate. The decision of the NITT Tiruchirappalli Empowerment in all respect shall be final and binding upon the contractor without assigning any reason thereof, and nothing will be payable by the Client and in that event and the security deposit in the form of performance Bank Guarantee shall be forfeited and en cashed.

3. If the Contractor does not provide the required services satisfactorily as per the requirements of the Client or / and as per the Bill of Quantities / Schedule of Requirements If the Contractor goes bankrupt and becomes insolvent.
4. **Breach of Contract:** The bidder will be bound by the details furnished by them to NITT, while submitting the bid or at subsequent stage. In case, if, any of such document/s furnished by the firm is found to be false, it would amount to breach of terms of contract and the successful bidder is liable for legal action besides termination of contract.
5. **Subletting:** The bidder shall not be allowed to transfer, assign, or sub-contract its rights and liabilities under this contract to any other unsuccessful bidder without the prior approval of Competent Authority of NITT.
6. The contract may be terminated before the expiry of contract period owing to deficiency in service or substandard quality of the service provided by the successful bidding Company / Firm /Successful bidder. Further, NITT reserves the right to terminate contract at any time by giving two months (60 days) notice to the successful bidder.
7. **Disciplinary action:** In case, the manpower / personnel employed by the successful bidder commits any act of omission / commission that amounts to misconduct (consumption of alcohol/ smoking, other banned items)/indiscipline/ incompetence / security risks, the selected successful bidder shall take appropriate disciplinary action against such personnel immediately being brought to his notice, activities while on duty failing which it would amount to breach of contract and may lead to termination of contract.
8. **Confidentiality:** The bidder shall ensure that any information related to Research, operational process, technical know-how, security arrangements, and administrative/organizational matters are not divulged or disclosed to any person by their personnel deployed at the Institute.
9. NITT reserves the right to amend /withdraw any of the terms and conditions contained in the Tender Document /to accept any bid other than the lowest tender/ to reject any or all tenders, without giving notice or assigning any reason The Director, NITT is the final authority for settling any disputes and the decision of the Director in this regard is final in all matters of tender and purchase
10. **Clarification of tender Document:** A prospective bidder requiring any clarification of the Tender document may communicate to the contact person given in this notice inviting tender

CHAPTER – 3: SCOPE OF WORK AND ALLIED TECHNICAL DETAILS

1. Air conditioners (Hi Wall split) have been installed in different floors of Client’s premises at NITT The details quantity (Annexure-A) of all the air conditioners is as under: **The quantities as stated in Schedules approximate and are subject to change.**
2. The scope of comprehensive annual maintenance services (Spare parts wise) shall include providing routinemaintenance services, pertaining to complaints as and when they occur in Hi-Wall Split (BLUESTAR/VOLTAS/HITACHI/CARRIER/Samsung/Videocon) **air conditioners, voltage stabilizers, providing all manpower, ladder, tools and tackles and replacement of defective spare parts(including consumables) such as compressors of same make/model, evaporators,**

condenser, compressor, motor contactor/OLP, indoor and outdoor fan motors, gas filling/charging including cost of gas (refrigerant), Oscillation lovers and supporting micro motors, fan blades, remote controllers, remote, PCB board, chord wires, thermostat, relay, drain/water and copper pipes, insulation foam for copper pipes replacement and whatever parts required for all Hi-wall split type AC units as per BOQ.

The Contractor shall be required to depute at least One Supervisor, 4 technicians, 4 helpers permanently on a daily basis 8 hours in a day in the Client's premises during the period of the contract for Multiple Brand/Capacity - Window/Split type AC units (Annexure A). One team shall be readily available to attend the break down calls immediately at any time.

Qualification and experience of various categories of staff deputed by contractor shall be as follows:

- a. Supervisor: Having Diploma in Mechanical/Electrical Engineering and should have knowledge/certificate of 3years experience in this Air-conditioning maintenance and services & installation or Higher Qualification.
- b. Technician (skilled): Having Certificate in Mechanic Refrigeration & Air Conditioning trade issued by ITI (Industrial Training Institute)/Local authorities/Govt. of India and minimum 2years experience in this field.
- c. Helper (Unskilled): Minimum SSLC (or) HSC with minimum of 1-year experience in the relevant field.
- d. A Successful agency shall provide two Mobiles with sim to supervisors.

It shall be the duty of the contractor/Technicians to attend the complaints on the spot of the respective AC units. Usually the technicians shall work in this office during office hours for six (6) working days except Sundays and Government/National holidays whenever required. However, he shall also attend office on Sunday and holidays and work beyond office hours in case the situation warrants so.

The contractor will make arrangement for all necessary tools, tackles, ladders and equipment's for carrying out the above service contract including trolley, vacuum pump, high pressure water pump for cooling coil cleaning, proper gas charging equipment's etc. The rates quoted for the AMC services shall also include all taxes and duties as applicable and cost of transportation, insurances and labour charges etc.

3. The spare parts supplied/replaced by the contractor should be brand new /original one and from the reputed manufacturers / sources to ensure satisfactory performance. Used /repaired spare parts will not be accepted. Before using any spare, the same should be approved by the Engineer in Charge. The contractor will ensure that the repairs carried out do not require same repairs again within a reasonable time.
4. **Replacement of Materials:** Replaced old material shall be handover to EMD the replaced parts shall have a warranty of 1 year if applicable.
5. **Minimum Quantity of materials:** 30% of estimated quantity shall be kept in store as stock.
6. **Payment shall be made, on the Nos. of Measurement, Quantity of units, no of materials successfully used, and no of fault executed/ consumed by the firm. (Necessary document to be submitted along with service/breakdown - service reports necessary signatures from end users).**

7. The contractor should check and confirm during service, whether the copper pipe line hole is sealed or not in outdoor walls. If it is not done, it should be packed by white cement or other packing materials (contractor scope) to avoid insects coming inside the units.
8. Contractor will perform the leak test and ensure that there is no leakage and required refrigerant gas is there.
9. The contractor will have to keep sufficient spare parts at site to reduce the breakdown period to minimum possible time.
10. The contractor will attend to the complaints and breakdowns promptly as and when required and a contact telephone number for attending to urgent repairs even after office hours.
11. The contractor should have all requisite service facilities at their work centers for carrying out such works.
12. The Supervisor/technicians/Labors deputed for the job shall be skilled and have sufficient experience.
13. The Supervisor/Technician/ Labors persons should have physical fitness to carry out the works. They should not be transferred without client's concurrence.
14. Contractor shall ensure that during the progress of the work no damage shall occur to installations/equipment due to any reason, if so happens, contractor shall have to Repair/replace the same at his own risk and cost. The decision of Client shall be final and binding on the contractor in this case.
15. In case of any emergency situation only, the very simple electrical work related with AC units like Powerplug, MCB replacing work should be performed by the contractor only the same may be supplied by NITT.
16. If an Air conditioner is disposed of by NITT or otherwise taken out of use, the Payment of AMC charges for the specific unit will not be made thereafter.
17. All break-down calls shall be attended to immediately and on the same day. Breakdown calls that could not be attended to on the same day for exceptional reasons shall be attended to on the next day without fail.
18. Transportation of Air-Conditioner Units/Defective materials/motors/ compressors from the office buildings to the service provider's workshop, from one building to another and from the service provider's workshop to the office buildings, will be at the cost of the service provider. A proper Gate pass should be used during transportation from institute and the same will be issued by EMC/ NITT.

3.2 COMPENSATION FOR DELAY (LIQUIDATED DAMAGES)

1. Time is the essence of the contract. In case the contractor fails to complete the work within the stipulated period, as defined by the Client, unless such failure is due to Force Majure or due to Clients defaults, the contractor shall pay to the clients, by way of compensation for delay and not as penalty, a sum to be calculated as per details given below:
2. If the contractor fails to mobilize at site / report for work within a period of two weeks after issuing the work order or one week from the acceptance of the work order. Liquidated damages will be computed @ 0.5 % for the delay per week or part thereof of subject to the maximum of 5% the value of contract.
3. **Penalty provisions** : All complaints shall be attended on the same day. The penalty will be imposed as below.

Complaint discharge time	Period	Particulars (Penalty)
	Below 24 Hrs	No Penalty
	Above 24 Hrs. to 48Hrs	A Penalty of 0.5% of the operated item amount
	Above 48 Hrs. to Below 96 Hrs.	A Penalty of 1% of the operated item amount
	Above 96 Hrs.	Contract will be terminated.

4. If compressor of any unit has not been replaced within 05 days, the liquidated damages will be computed @ 1.0 % of the corresponding rate in the contract for delay per week or part thereof.
5. With a view to enable to the prospective bidders to inspect the Air conditioners before submitting their quotation, any working day of our institute. During the visit of which, bidders can seek clarification if any in respect of this Tender.
6. The Contractor shall inspect all the Air Conditioners as specified in Schedule of Works and Requirements before taking over their maintenance under the Maintenance Contract, and any missing/ non-functional part(s) listed out and brought to the notice of the undersigned within 7 days of the acceptance of maintenance contract, failing which the Contractor shall be deemed to have taken over the equipment's of this office in perfectly working condition. The Contractor shall hand over the Air Conditioners of this office in working condition on the expiry of the Contract.

BID SUBMISSION FORM

Date:

LETTER OF BID

To

The Director
National Institute of Technology
Tiruchirappalli – 620 015.

Ref: Invitation for Bid No.

We, the undersigned, declare that:

1. We have examined and have no reservations to the Bidding Documents, including Addenda issued in accordance with Instructions to Bidders.
2. We offer to undertake the Comprehensive Annual Maintenance Contract in respect of all the Air Conditioners as per the Bill of Quantities and other terms and conditions of your office in conformity with the Bidding Documents.
3. Our bid shall be valid for a period of 120 days from the date fixed for the bid submission deadline in accordance with the Bidding Documents and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
4. If our bid is accepted, we commit to submit a performance security in accordance with the Bidding Documents.
5. We also declare that Government of India or any other Government body has not declared us ineligible or black listed us on charges of engaging in corrupt, fraudulent, collusive or coercive practices or any failure/lapses of serious nature.
6. We also accept all the terms and conditions of this bidding document and undertake to abide by them, including the condition that you are not bound to accept highest ranked bid/lowest bid or any other bid that you may receive.

Yours sincerely,

Authorized Signatory

(Authorized person shall attached a copy of Authorization for signing on behalf of bidding company)

Full Name and Designation

(To be printed on Bidder's letterhead)

PERFORMANCE BANK GUARANTEE

(To be executed on non-Judicial stamped paper of an appropriate value)

Date :

Bank Guarantee No :
Amount of Guarantee :
Guarantee Period : From to.....
Guarantee Expiry Date :
Last date of Lodgement :

WHEREAS Office of the The Director, National Institute of Technology, Tiruchirappalli having its office at National Institute of Technology, Tiruchirappalli – 620 015.(hereinafter referred to as “**The Owner**” which expression shall unless repugnant to the context includes their legal representatives, successors and assigns) has executed a binding to the contract on [Please insert date of acceptance of the letter of acceptance(LoA)] (“Contract”) with [insert name of the Successful Bidder](hereinafter referred to as the “**Contractor**” which expression shall unless repugnant to the context include its legal representatives, successors and permitted assigns) for providing Comprehensive Annual Maintenance Contract (CAMC) of Air Conditioners shall have the meaning ascribed to it in the Contract] based on the terms & conditions set out in the Tender Documents number [insert reference number of the Tender Documents] dated [insert date of issue of Tender Documents]... and various other documents forming part thereof.

AND WHEREAS one of the conditions of the Contract is that the Contractor shall furnish to the Owner a Bank Guarantee from a scheduled bank in India having a branch at Tiruchirappalli for an amount of 5% on contract value. (the amount guaranteed under this bank guarantee shall hereinafter be referred to as the “Guaranteed Amount”) against due and faithful performance of the Contract including the performance bank guarantee obligation and other obligations of the Contractor for the supplies made and the services being provided and executed by under the Contract. This bank guarantee shall be valid from the date hereof up to the expiry of the Contract Period, which shall be initially for a period of one year from the date of award of work order which would subsequently be required to be extended in the event of extension of the work order.

AND WHEREAS the Contractor has approached [insert the name of the scheduled bank] (here in after referred to as the “**Bank**”) having its registered office at [insert the address]and at the request of the Contractor and in consideration of the promises made by the Contractor, the Bank has agreed to give such guarantee as hereunder:-

- The Bank hereby undertakes to pay under this guarantee, the Guaranteed Amount claimed by the Owner without any further proof or conditions and without demur, reservation, contest, recourse or protest and without any enquiry or notification to the Contractor merely on a demand raised by the Owner stating that the amount claimed is due to the Owner under the Contract. Any such demand made on the Bank by the Owner shall be conclusive as regards the amount due and payable by the Bank under this bank guarantee and the Bank shall pay without any deductions or set-offs or counterclaims whatsoever, the total sum claimed by the Owner in such Demand. The Owner shall

have the right to make an unlimited number of Demands under this bank guarantee provided that the aggregate of all sums paid to the Owner by the Bank under this bank guarantee shall not exceed the Guaranteed Amount. In each case of demand, resulting to change of PBG values, the Owner shall surrender the current PGB to the bank for amendment in price.

- However, the Bank's liability under this bank guarantee shall be restricted to an amount not exceeding 5% on contract value.
- The Owner will have the full liberty without reference to the Bank and without affecting the bank guarantee to postpone for any time or from time to time the exercise of any powers and rights conferred on the Owner under the Contract and to enforce or to forbear endorsing any powers or rights or by reasons of time being given to the contractor which under law relating the Surety would but for the provisions have the effect of releasing the surety.
- The rights of the Owner to recover the Guaranteed Amount from the Bank in the manner aforesaid will not be affected or suspended by reasons of the fact that any dispute or disputes have been raised by the Contractor and / or that any dispute(s) are pending before any office, tribunal or court in respect of such Guaranteed Amount and/ or the Contract.
- The guarantee herein contained shall not be affected by the liquidation or winding up, dissolution, change of constitution or insolvency of the Contractor but shall in all respects and for all purposes be binding and operative until payment of all money due to the Owner in respect of such liability or liabilities is affected.
- This bank guarantee shall be governed by and construed in accordance with the laws of the Republic of India and the parties to this bank guarantee hereby submit to the jurisdiction of the Courts of New Delhi for the purposes of settling any disputes or differences which may arise out of or in connection with this bank guarantee and for the purposes of enforcement under this bank guarantee.
- All capitalized words used but not defined herein shall have the meanings assigned to them under the Contract
- NOTWITHSTANDING anything stated above, the liability of the Bank under this bank guarantee is restricted to the Guaranteed Amount and this bank guarantee shall expire on the expiry of the Contract Period under the Contract.
- Unless a Demand under this bank guarantee is filed against the Bank within six (6) months from the date of expiry of this bank guarantee all the rights of the Owner under this bank guarantee shall be forfeited and the Bank shall be relieved and discharged from all liabilities hereunder.
- However, in the opinion of the Owner, if the Contractor's obligations against which this bank guarantee is given are not completed or fully performed by the Contractor within the period prescribed under the Contract, on request of the Contractor, the Bank hereby agrees to further extend the bank guarantee, till the Contractor fulfils its obligations under the Contract.
- We have the power to issue this bank guarantee in your favour under Memorandum and Article of Association and the Undersigned has full power to do so under the Power of Attorney dated [date of power of attorney to be inserted]... granted to him by the Bank.

Date:

Bank

Corporate Seal of the Bank

By its constituted Attorney Signature of a person duly authorized to sign on behalf of the Bank

CONTRACT AGREEMENT NO. Dated :

THIS AGREEMENT is made on between The Director, NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI – 620 015. (Hereinafter referred to as “Client” which expression shall include his successors and assigns), and whose principal place of office is at National Institute of Technology, TIRUCHIRAPPLI of the One Part,

AND

M/s.....having its registered office at.....(Hereinafter referred to as “the Contractor”) which expression shall unless excluded by or repugnant to the context be deemed to include his successors, heirs, executors, administrators, representatives and assigns) of the other part for Comprehensive Annual Maintenance Contract (CAMC) of Air Conditioners of Client’s premises.

- WHEREAS the Client invited bids through open tender, vide Notice Inviting Tender datedfor “ selection of agency for CAMC of its Air Conditioners” under Tender No. ---dated
- AND WHEREAS the Contractor submitted his bid vide..... in accordance with the bid documents and represented therein that it fulfills all the requirements and has resources and competence to provide requisite services to the Client
- AND WHEREAS the Client has selected M/s... as the successful bidder (“the Contractor”) pursuant to the bidding process and negotiation of contract prices, awarded the Letter of Acceptance(LoA) No. , to the Contractor on for a total sum of [Rupees Only].
- AND WHEREAS the Client desires that the CAMC services (as defined in the Bidding Document) be provided, performed, executed and completed by the Contractor, and wishes to appoint the Contractor for providing requisite services to the Client.
- AND WHEREAS the Contractor acknowledges that the Client shall enter into contracts with other contractors / parties for the CAMC services for its office in cases the Contractor falls into breach of the terms and conditions as stipulated in the Tender Document and shall waive its claim whatsoever in this regard.
- AND WHEREAS the terms and conditions of this Contract have been fully negotiated between the Client and the Contractor as parties of competent capacity and equal standing.
- AND WHEREAS the Contractor has fully read, understood and shall abide by all the terms and conditions as stipulated in the Tender Documents for providing CAMC services for Client’s office, failing which the Contract is liable to be terminated at any time, without assigning any reasons by the Client.
- The Client and the Contractor agree as follows:

1. In this Agreement (including the recitals) capitalized words and expressions shall

have the same meanings as are respectively assigned to them in the Contract documents referred to.

2. The following documents shall be deemed to form and be read and construed as part of this Agreement. This Agreement shall prevail over all other Contract documents.
 - i. The Letter of Acceptance (LoA) issued by the Client.
 - ii. The complete Bid, as submitted by the Contractor.
 - iii. The Addenda, if any, issued by the Client.
 - iv. Any other documents forming part of this Contract Agreement till date. (Performance Bank Guarantee, Bank Guarantee)
 - v. Charges – Schedule annexed to this Article of Agreement
 - vi. Supplementary Agreements executed from time to time.
 3. Any changes/modifications/amendments required to be incorporated in the Contract Agreement at a later stage shall be discussed and mutually agreed by both the parties and such supplementary agreements shall be binding on both the parties and shall form the part of this contract agreement.
 4. This Contract shall be governed by and construed in accordance with the laws of India. Each Party hereby submits to the jurisdiction as set out in the Dispute Resolution Procedure in the Conditions of Contract.
- IN WITNESS WHEREOF the parties hereto have caused this Agreement to be executed in accordance with the laws of India on the day, month and year indicated above.

Signed on behalf of the Contractor

Signed on Behalf of

Office of the Estate Maintenance Department

NIT-TIRUCHIRAPPALLI

(Authorised Signatory)

(Authorised Signatory)

SERVICE REPORT- FORMAT- BREAK DOWN CALLS & HALFYEARLY SERVICE.

DETAIL OF AIR CONDITIONER:

DATE:

1. MAKE.....CAPACITY.
2. MODEL NO. & SERIAL NO:
3. COMPRESSOR Make/capacity
4. MODEL & SR. NO.
5. LOCATION: BUILDING / ROOM NO. / LAB /FACULTY ROOM.....
6. MIS Complaint Number/ date.....

JOBS TO BE ATTENDED

- a) Checking of compressor current & voltage Amp. Volts
- b) Checking of Electrical components and loose connections.
- c) Checking of blower fan motor bushes and ply etc.
- d) Cleaning of air filter and evaporator/condenser coil assembly with air blower /compressed air.
- e) General checking and tightening of screws, nuts and bolts etc.
- f) Lubricating fan / Blower motors.
- g) General checking of voltage stabilizers.
- h) Checking of Ground Connections
- i) Checking of drainage water lines
- j) Spares replaced details if any.
- k) Customer Remarks
- l) Room Temperature / Grill Temperature:

History

Previously	Service date	Report No	Brief service details
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- 1.
- 2.
- 3

Name & Signature of the Technician

Client's representative/HOD name & Signature

FORMAT FOR SUBMITTING TECHNICAL BID

Sl. No.	Description	Information/ Compliance
1.	Do you unconditionally agree with all Terms and Conditions stipulated in the Tender Document? (Yes/No)	
2.	Details of EMD remittance (if applicable)	Not Applicable (Office Memorandum vide: F.9/4/2020-PPD) valid up to 31.12.2021
3.	Name and Address of the Applicant/ bidder with Telephone/ Fax/ Mobile and Mail ID	
	.	
4.	Year of Establishment / Incorporation / commencement of Concern	
5.	Registration/ Incorporation Particulars (Please attach attested copies of documents of registration/incorporation of your firm/ Company as required under business law)	
6.	Legal Status of the bidder (In the case of Partnership Firm, authenticated copy of Partnership Deed, in the case of Private or Public Limited Company authenticated copy of Memorandum and Articles of Association and in the case of Proprietary concern, Proprietary Firm Registration Certificate should be enclosed as documentary proof)	
7.	Profile containing name, educational qualifications, occupation and postal address of Proprietor / Partners/ Directors/ Managing Director/ Chairman and Managing Director (please use separate sheet if found necessary)	

8.	Name, designation and Phone number of persons authorized to sign the documents on behalf of the Proprietary concern/ Partnership Firm/ Private or Public Limited company (Please attach Power of Attorney / authorization for signing the document. In the case of Proprietary concern bidder may submit attested copy of the PAN card / Election Commission Card / Passport of the Proprietor and authorized signatory in case of proprietor is not signing the tender document)		
9.	Name and Designation of the Contact Person/ Representative/ Manager of the Successful bidder/ firm/ company with mobile number & email ID		
10.	Average gross receipts from Air- conditioning service during the last three financial years (2017-18, 2018- 19, 2019-20,2020-21)	Years	Turnover
		2017-18	
		2018-19	
		2019-20	
11.	Are your firm/ company carrying out any other trade/ business in addition to Manpower / personnel hiring services? Furnish particulars of other trade/ business carried out.		
12.	Total experience (years/ months) in this field		
13.	Average/Annual Turnover in last three years from business.		
14.	Have your concern/ firm/ company ever changed its name any time? If yes, provide the previous name and the reasons there for?		

15.	Man Power strength Designation wise Do you have any authorized service provider certificate/agreement for any Air conditioner Manufacturer? if any, please mention with a proper document.	
16.	Have you or your constituent ever left the contract awarded to you incomplete? If so, give name of the contract and reasons for not completing the contract.	
17.	Income Tax Permanent Account Number (Self attested Copy of PAN Card to be enclosed)	
18.	Income Tax Assessment Completion Certificates/ Assessment Orders for the financial years 2017-18, 2018- 19, 2019-20 (In the event of assessment of the years indicated having not been completed the certificate of the latest assessment completed may be enclosed and the reasons for non-completion of the assessment for the required years may be indicated)	
19	Have you registered any under Employees State Insurance Corporation Act (ESI) Act? If so, enclose copy of the registration certificate. Also provide a copy of latest remittance made by your successful bidder/ firm/ company	

20	<p>GST No. and Area Code.</p> <p>All of your further correspondences including invoices should bear the GST No. and Area Code.</p>	
21	Name and address of your banker	
22	Brief details of Litigations, if any, connected with Manpower Hiring Services work, Current or during the last three years, the opposite party and the disputed amount.	
23	Specify whether there are any issues / disputes against your successful bidder/ firm/ company before the commissioner of Provident Fund, Employees State Insurance, Labour Tribunal Authorities, etc.,	
24	Give details of Termination of previous contract, if any	
25	Give information, if any, regarding the proceeding for bankruptcy, insolvency or winding up in which the bidder is / was involved	

26.	Details of ONGOING CONTRACTS : The following should be enclosed: (a) Work Orders and Contract/ Agreement copies (b) Attach separate sheet for each job/ work							
	S.No.	Name and address of the client Institution with name, address, mobile number and Email ID of the Officer to whom reference may be made.	Nature of work	Work order Value (Rs.)	Number of workmen / personnel deployed	Period of contract		
						From	To	
27.	Details of quality certifications, if any, obtained viz							
28.	Details of Awards, if any received or Reviews in the Media, if any							

29.	Performance certificate from the Customers					Enclose separately	
30.	Details of COMPLETED CONTRACTS during the last three Years: (a) Order Copy, Contract/ Agreement copy should be enclosed. If required, please attach extra sheets. (b) Attach separate sheet for each job/ work						
	S.No.	Name and address of the client organization with name, address, mobile number and Email ID of the Officer to whom reference may be made.	Nature of work	Work order Value (Rs.)	Number of workmen and personnel deployed	Period of contract	
						From	To
31.	Any other information, document which may help NITT in assessing your capabilities, may be enclosed. The bidder may add any further information that he considers relevant for the evaluation of their bid.						

DECLARATION BY THE BIDDER

- I/ we hereby certify that the information furnished in this tender document is complete and correct to the best of my knowledge. I/ we understand that furnishing of false information could result in disqualifying for the award of the contract.
- I/ We have submitted the requisite solvency certificate and authorize the NITT to approach the Bank issuing the solvency certificate to confirm the correctness thereof.
- I/ We also authorize the NITT or its authorized representative to approach individuals, employers, firms and corporation to visit the works completed by us in the past or are in progress at present, to verify the competence and general reputation.
- I/ We do hereby offer to perform and execute the comprehensive annual maintenance contract in conformity with terms and conditions of the contract.
- I / We agree that the acceptance of any tender shall be at the sole and absolute discretion of the NIT, Tiruchirappalli and they do not bind themselves to accept the lowest tender or any tender and may reject any or all tenders received.

Place:

Signature of the bidder with Name and seal

Date:

Name

Designation

Seal

LIST SPLT AIR CONDITIONER FOR INSTITUTE ZONE

S.NO	DEPARTM ENT	LOCATION	ROOM NO	Make	Non- inverter (Qty)	Inverter (Qty)	Ton
1	ADMIN BLOCK	Staff room	104	carrier	1		1.5
2		Staff room	105	carrier	1		1.5
3		Murali		carrier	1		1.5
4		Staff room	110	carrier	1		1.5
5		Assistant registrar		carrier	1		1.5
6		Meeting room	104	Blue star	1		1.5
7		Material testing Lab		carrier	2		1.5
8		Advanced working lab	M 25	carrier	1		1.5
9		A 11	A 11	carrier	4		1.5
10		A 12	A 12	carrier	4		1.5
11		XRD lab	PH 113	carrier	2		2
12		Dean (R & C) Office		Blue star	2		1.5
13		Dean (R & C)		Blue star	1		1.5
14				Carrier	1		1.5
15		Associate dean Santhosh Kumar		Voltas		1	2
16		Dean / ID		Blue star	2		1.5
17		Associate dean Electrical		Blue star	1		1.5
18		Associate dean Ezhilarasi		Blue star	1		1.5
19		Associate dean Civil / Senthilkumar		Blue star	1		1.5
20		Dean Faculty Welfare		Carrier	2		2
21		Dean Student Welfare Office		Videocon	1		1.5
22		Dean Student Welfare		Videocon	2		1.5

23	Sexual Harshment Office		Blue star	1		1.5
24	Associate Dean Student Welfare		Blue star	1		1.5
25	Associate dean faculty welfare Manjula		Videocon	1		1.5
26	Associate dean Sathya Narayanan		Carrier	2		1.5
27	AR/ Stathish Room		Blue star	1		1.5
28	Dean planning & development		Carrier	2		2
29	Help Centre		Carrier	2		1.5
30	Nodel Officer		Carrier	2		2
31	Nodel office room		Blue star	1		1.5
32	PWC Cell		Blue star	1		1.5
33	Internet thigs 2 AC		Carrier	2		1.5
34	CECASE Corrosion and Simulation		Vesster	2		1.5
35	CECASE TRIBOIAGY		Carrier	2		1.5
36	Transport Section		Voltas	1		1.5
37	Dean Academic Room		Carrier	3		2
38	Dean Academic Phd and MS			1		
39	UG & PG Section Academic Office		Vester	4		1.5
40	Director Room		Carrier	4		1.5
41	Director Office		Godrej New	1		2
42	OOM Room		Godrej New	2		2
43	Alumini interaction Cell		Carrier	1		1.5
44	Public Relation and media		Carrier	1		1.5
45	Tequip Office		Carrier	2		2
46	Mainoffice		Voltas		8	1.5

47	MAIN OFFICE	Assistant Registrar / Accounts		Carrier	1		1.5	
48		Assistant Registrar / Establishment		Carrier	1		1.5	
49		Registrar		Voltas		1	2	
50		Meeting Room		Carrier	1		1.5	
51		Consultant (Lawrence)		Carrier	1		1.5	
52		Consultant I/A		Carrier	1		1.5	
53		Students Scholar Section office		Vesster	1		1.5	
54		Dr.N.Sivasanmugam	M28	Voltas	1		1.5	
55		Nandha Naik Korra	M27	Voltas	1		1.5	
56		Material testing lab		Carrier	2		2	
57		Advance welding lab		Carrier	1		2	
58		Fuels Lab	M24	Voltas	1		2	
59		Deputy Registrar (S & P)		Voltas	2		1.5	
60		Student Council		Voltas		1	2	
61		Assistant Registrar / Sathish		Blue star	1		1.5	
62		Barn server room		Voltas	1		1.5	
63		Aluminium Recall		Carrier	1		1.5	
64		Aluminium Recall		Voltas	2		1.5	
65		LYCEUM	HOD	102	Voltas	1		2
66			Dr.S.Domnic	103	Voltas	1		1.5
67	Dr.S.Srinivasalu Reddy		104	Voltas	1		1.5	
68	S.Nickolas		105	Voltas	1		1.5	
69	A.Venkatasamy Reddy		106	Voltas	1		1.5	
70	A.Alphonse		107	Voltas	1		1.5	
71	B.Janet		108	Voltas	1		1.5	
72	Temporary faculty		109	Voltas	2		1.5	
73	Conference Hall		112	Voltas	2		1.5	
74	Meeting Room		113	Voltas	2		2	
75	Nagasubramaniyan		114	Voltas	1		1.5	
76	N.P.Gopalan		115	Voltas	1		1.5	

77	Ramadoss	117	Voltas	1	1.5
78	Temporary faculty	118	Voltas	1	1.5
79	S.R.Balasundaram	119	Voltas	1	1.5
80	Sangeetha	121	Voltas	1	1.5
81	Eswari	122	Voltas	1	1.5
82	Library	124	Voltas	2	1.5
83	Sai Krishnan	202	Voltas	1	1.5
84	V.Kumaran	205	Voltas	1	1.5
85	Selvam	208	Voltas	1	1.5
86	Sai Krishnan	209	Voltas	1	2
87	Library	212	Voltas	2	2
88	Vamsinadh	215	Voltas	1	1.5
89	Tamilselvi	216	Voltas	1	1.5
90	Janikiraman	217	Voltas	1	1.5
91	Praksh	218	Voltas	1	1.5
92	Shanthi	220	Voltas	1	1.5
93	Lakshmana	221	Voltas	1	1.5
94	Ponalagu	222	Voltas	1	1.5
95	Confrence	224	Voltas	1	1.5
96	Joseph	302	Voltas	1	1.5
97	Office	303	Voltas	1	1.5
98	Vinodbala	304	Voltas	1	1.5
99	Gurudas	305	Voltas	1	1.5
100	Murugasenan	306	Voltas	1	1.5
101	Joseph Ponnaiah	307	Voltas	1	1.5
102	Office	308	Voltas	1	1.5
103	Kala	309	Voltas	1	1.5
104	Sathiyaraj	310	Voltas	1	1.5
105	Library	312	Voltas	2	2
106	Reserch Scholar room	314	Voltas	1	1.5
107	Sridevi	317	Voltas	1	1.5
108	A.Ramakalyan	322	Voltas	1	1.5
109	Library	212	Voltas	1	1.5
110	R.Sathya	214	Voltas	1	1.5
111	Conference Hall	324	Voltas	1	1.5
112	Computer Lab	GF	Voltas	10	2

113	ARCHITECTURE	Subbaiyan (HOD)	GF	Voltas	1		1.5	
114		Solar room	2nd floor	Carrier	1		2	
115		CSAB	LH-10	Cassette AC	6		2	
116			LH-8	Cassette AC	6		2	
117			LH-7	Voltas		4	2	
118		I year Chem	LH-5	Cassette AC Media	6		2	
119		I year Civil	LH-6	Cassette AC Media	6		2	
120		HOD room		LG AC	2		2	
121		OJAS ground Floor	Material lab (Velmathi)		Voltas Inverter		3	1.5
122			Shivasanmugam	111A	Voltas	1		2
123	Shivasanmugam		111A	videocon	3		2	
124	Faculty room		112	Voltas	1		1.5	
125	Faculty room		113	Voltas	1		1.5	
126	Faculty room		114	Voltas	1		1.5	
127	Faculty room		115	Voltas	1		1.5	
128	Faculty room		116	Voltas	1		1.5	
129	Premkumar		117	Voltas	1		1.5	
130	Faculty room		118	Voltas	1		1.5	
131	Subbaiya		119	Voltas	1		1.5	
132	Gopalakrishnan		120	Voltas	1		1.5	
133	Faculty room		121	Voltas	1		1.5	
134	Faculty room		122	Voltas	1		1.5	
135	Faculty room		123	Voltas	1		1.5	
136	Faculty room		124	Voltas	1		1.5	
137	Faculty room		125	Voltas	1		1.5	
138	Faculty room		126	Voltas	1		1.5	
139	Faculty room		127	Voltas	1		1.5	
140	Muthukumar Lab		129	Voltas	2		1.5	
141	Lab		130	Voltas	9		1.5	
142	Lab		133	Voltas	12		1.5	
143	Lab		136	Voltas		3	1.5	

144	CHEMISTRY FF & SF	Chemistry Dept office	201	Hitachi	1		1.5	
145			202	Voltas	1		1.5	
146				Hitachi	1		1.5	
147		Nano materials solar energy			Voltas	1		1.5
148		Convection lab			Samsung	1		1.5
149		Sankar			Voltas	1		1.5
150		Nandi	214		Voltas	1		1.5
151			215		Voltas	1		1.5
152		Chindrella	216		Voltas	1		1.5
153		Shima dammodran	217		Voltas	1		1.5
154		Velmathi	218		Voltas	1		1.5
155			219		Voltas	1		1.5
156		Anandan	220		Voltas	1		1.5
157			212		LG	1		1.5
158			211		Voltas	2		1.5
159		Bhiju	317		Voltas	1		1.5
160			301		Voltas		1	2
161			304		Voltas	1		2
162			303		Media	1		1.5
163			304		Voltas	1		1.5
164		308	A,B,C	Voltas		4	2	
165	Bio inorganic material lab	312		Voltas	2		1.5	
166	Sathak mandal	320		Voltas	1		1.5	
167		319		Voltas	1		1.5	
168	Karvembu	318		Voltas	1		1.5	
169	Sreekanth	316		Voltas	1		1.5	
170	Sreenivasa vedhachalam	315		Voltas	1		1.5	
171	PHYSICS	Fibre optic sensor lab	209	Voltas		2	1.5	
172		Nanomaterial lab	210	Voltas		1	2	
173			211	Voltas		1	2	
174		Thin flim lab	212	Voltas	1		2	
175		Sasikumar	220	Voltas	1		1.5	
176		Chandra bose	219	Voltas	1		1.5	
177		Baskaran	218	Voltas	1		1.5	

178		Goplakrishanan	217	Voltas	1		1.5
179		Hemalatha	216	Voltas	1		1.5
180		Ashok	215	Voltas	1		1.5
181		Sankaranarayanan	214	Voltas	1		1.5
182		Anandhareddy	213	Voltas	1		1.5
183		HOD	202	Voltas		1	1.5
184		Ashok Lab	203	Voltas	2		2
185			204	Voltas		1	2
186		Singh	314	Voltas	1		1.5
187		Manivanan	315	Voltas	1		1.5
188		Nagalakshmi	316	Voltas	1		1.5
189			317	Voltas	1		1.5
190		Gridharan	318	Voltas	1		1.5
191		Karthikeyan	319	Voltas	1		1.5
192		Santhoshkumar	320	Voltas	1		1.5
193		Justin Joseph	313	Voltas	1		1.5
194			309	Carrier	1		1.5
195			309	Voltas	1		1.5
196			309	Voltas		1	2
197		Material lab	303	Voltas	1		1.5
198		Carbon nanomaterial lab	305	Voltas	1		1.5
199		Lab	136	Voltas		3	1.5
200	EEE	HOD Room	101 GF	Voltas	2		1.5
201		Committee room	104	Voltas	2		1.5
202		Sudha	105	Voltas	1		1.5
203		Sundareswaran	106	Voltas	1		1.5
204		Ammasikoundan	107	Voltas	1		1.5
205		Arundaniel	109	Voltas	1		1.5
206		Kumaresan	110	Voltas	1		1.5
207		Nagamani	111	Voltas	1		1.5
208		Saravana Ilango	112	Voltas	1		1.5
209		Venkindukirthiga	113	Voltas	1		1.5
210		Maheswari	114	Voltas	1		1.5
211		Moorthy	202 F/F	Voltas	1		1.5
212		Sishaj Simon	203	Voltas	1		1.5
213		Senthilkumar	209	Voltas	1		1.5

214		Selvam	210	Voltas	1		1.5
215		Srinivasa Rao	211	Voltas	1		1.5
216		Seminar Hall	212	Voltas		4	2
217		Computer Lab		Bluestar	4		1.5
218		Library		Voltas	2		1.5
219		Control system lab		Blue star	1		1.5
220		Solar research lab		Voltas	1		1.5
221		VLSI Systems lab		Voltas		1	1.5
222		PC lab	GF	Carrier	1		2
223		HOD room	FF	Voltas	1		1.5
224		Computer Lab	FF	Voltas		4	1.5
225		Sarat Chandra Babu	201	Voltas	1		1.5
226		T.K.Radhakrishnan	202	Voltas	1		1.5
227		Kalaiselvi	203	Voltas	1		1.5
228		Sivasanmugam	204	Voltas	1		1.5
229		Arivazhan	205	Voltas	1		1.5
230		Perumalsamy	206	Voltas	1		1.5
231		Conference Room	FF	Carrier	2		2
232		Department library	GF	LG	1		1.5
233		Sheeba	GF	Voltas	1		1.5
234		Meera Sherrifa begum	GF	Voltas	1		1.5
235	CHEMICAL	Environmental Biotechnology Lab	GF	Blue star	1		1.5
236		Shivasanmugam	GF	Voltas	1		1.5
237		Research Lab	GF	Carrier	1		2
238		Saravanan	207	Voltas	1		1.5
239		Samsudin	208	Voltas	1		1.5
240		Transfer Lab	FF	Voltas		2	1.5
241		Bio Separation Lab	FF	Videocon	1		1.5
242		Virnitinaga Jothy	101	Voltas	1		1.5
243		Pugalendi	103	Window Voltas	1		1.5
244		Kannan	104	Window Voltas	1		1.5
245		Arunagiri	105	Voltas	1		1.5
246		Instrumentation Lab	GF	Voltas		2	2

247		Computing facility	FF	LG	1		1.5
248		Chemical lab	GF	LG	1		1.5
249		Office room	FF	Voltas	1		2
250	CIVIL	Denadayal	101	Voltas	1		1.5
251		Saravanan	202	Voltas	1		1.5
252		Nisha radha krishnan	202	Voltas	1		1.5
253		Sunitha	203	Voltas	1		1.5
254		Manjula	204	Voltas	1		1.5
255		Araselvi	206	Voltas	1		1.5
256		Jayalakshmi	207	Voltas	1		1.5
257		Seminar Hall		Voltas	7		2
258		Prakash	C 1	Voltas	2		2
259		Environment Lab		Voltas		2	2
260		HOD room		Carrier	1		2
261		Swaminathan	C 13	Voltas	1		1.5
262		Gandhimathi	C 12	Voltas	1		1.5
263		Krishnan		Voltas	1		1.5
264		Karthikeyan	C 10	Voltas	1		1.5
265		Jayabalan	C 9	Voltas	1		1.5
266		Muthukumaran	C 8	Voltas	1		1.5
267		Baskar	C 7	Voltas	1		1.5
268		Nadarajan		Voltas	1		1.5
269		Conference room		Godrej new	2		2
270		Conference room		Hitachi New	1		1.5
271		Computer Lab		Carrier	1		2
272		Samson Mathew	TE 3	Voltas		1	1.5
273		Pavement Engg Lab	TE 2	Voltas	1		1.5
274		Moses Santhanakumar	C 14	Voltas	1		1.5
275		Research scholar	C 19	Videocon	1		1.5
276		Jeyasankar	C 20	Voltas	1		1.5
277		S.T.Ramesh	C 21	Voltas	1		1.5
278	CRE Lab	GF	LG	1		1.5	
279	Office Room	FF	Voltas	1		2	
280	Conference room	FF	Carrier	1		2	

281	CEESAT	Computer lab	DO8	Voltas		4	1.5
282		Office Room	MN 001	Voltas	1		1.5
283		CEESAT	MN 003	Voltas	1		1.5
284		CEESAT	MN 004	Voltas	1		1.5
285		CEESAT	MN 102	Voltas	1		1.5
286		CEESAT	MN 103	Voltas	1		1.5
287		CEESAT Womens room	MN 105	Voltas	1		1.5
288		CEESAT	MN 101	Carrier	1		1.5
289		CEESAT	9	Carrier	1		1.5
290		CEESAT	9	Carrier	1		1.5
291		CEESAT DEE	7	Carrier	2		1.5
292		CEESAT	5	Carrier	2		1.5
293		CEESAT Smart class room	9	Carrier	3		1.5
294		CEESAT ANNEX	Sivasankar	AN00522	Voltas	1	
295	Moisture Analyzer Lab		ENMA14	Voltas	1		1.5
296	Energy Audit and Insturmentation		AN005A	Carrier	2		1.5
297	Energy Audit and Insturmentation		AN005A	Voltas	1		1.5
298	Faculty Room		AN00453	Voltas	1		1.5
299	Calibration Lab		AN0044	Voltas	1		1.5
300	Molecular Biology		AN0034	Videocon	1		1.5
301	Swaminathan		AN003S45	Carrier	1		1.5
302	Testing and		AN002	Carrier	2		2
303	Analysis Lab			Voltas	1		1.5
304	Algal research and biotechnology		AN001	Videocon	2		1.5
305	SJB ECE		Dr.B.Malarkodi	112	Voltas	1	
306		Research lab Scholar		Voltas	1		1.5
307		E.S.Gopi	101	Voltas	1		1.5
308		V.Sudha	211	Voltas	1		1.5
309		R.K.Jeyachitra	215	Voltas	1		1.5
310		Reprography	217	Voltas	1		1.5

311		Smart Antena Design Laboratory	204	Voltas	1		1.5
312		Wireless communicatoin network lab	205	Voltas	1		1.5
313		Thilagavathi	311	Voltas	1		1.5
314		Muthu chithambaranathan	312	Voltas	1		1.5
315		Palanisamy	302	Voltas	1		1.5
316		Bhaskar	303	Voltas	1		1.5
317		Wireless system design lab	306	Voltas	3		1.5
318		Microprosser & Microcontroller	307	Voltas	3		1.5
319		DSP lab	308	Voltas	1		1.5
320		K design lab	309	Voltas	1		1.5
321		Faculty Room	310	Voltas	4		1.5
322		Dept.Office	212	Carrier	1		2
323		Dr.B.Venkatramani	214	Carrier	1		2
324		Conference Hall	201	Carrier	4		2
325		Fiber optical communication lab	202	Carrier	2		2
326		Signal Processing lab	203	Carrier	1		1.5
327		Light wade lab	207	Carrier	2		1.5
328		Meta Material lab	209	Carrier	1		1.5
329		Library	301	Amtrex	3		2
330		Analog & Digital Design lab	304	Videocon	1		1.5
331		K design lab	308	Carrier	1		1.5
332		Smart Antena Design Laboratory	204	Carrier	2		1.5
333		Wireless communicatoin network lab	205	Carrier	2		1.5
334		Analog & Digital Design lab	304	Carrier	2		1.5
335	MBA	Office Room		Voltas		2	1.5
336		HOD room		Voltas		3	2
337		Lbrary		Voltas		4	2

338		Lecture Hall		Voltas		3	2
339		LH 3		Voltas		3	2
340		Research Scholar		Voltas		1	2
341		Student Activity Cell		Voltas		2	2
342		Punniyamoorthy		Voltas		1	2
343		Faculty Room	MS 1	Voltas		1	1.5
344		Faculty Room MS 2	MS 2	Voltas		1	1.5
345		Faculty Room	MS 3	Voltas		1	1.5
346		Faculty Room	MS 4	Voltas		1	1.5
347		Research Scholar		Voltas		2	2
348		LH 5		Voltas		3	2
349		LH 6		Voltas		3	2
350		Computer Centre		Voltas		2	2
351		Faculty Room	MS 5	Voltas		1	1.5
352		Faculty Room	MS 6	Voltas		1	1.5
353		Faculty Room	MS 7	Voltas		1	1.5
354		Faculty Room	MS 8	Voltas		1	1.5
355		Faculty Room	MS 9	Voltas		1	1.5
356		Faculty Room	MS 10	Voltas		1	1.5
357		Faculty Room	MS 11	Voltas		1	1.5
358		Faculty Room	MS 12	Voltas		1	1.5
359		Faculty Room	MS 13	Voltas		1	1.5
360		Faculty Room	MS 14	Voltas		1	1.5
361		Faculty Room	MS 15	Voltas		1	1.5
362	MECHANICAL	Siva Prasad		Voltas	1		1.5
363		Natarajan		Voltas	1		1.5
364		Muthupandi		Voltas	1		1.5
365		Ravisankar		Voltas	1		1.5
366		Committee room MME		Voltas	2		1.5
367		Kumerasan		Voltas		1	1.5
368		Committee room		Videocon	2		1.5
369		Microshop room		Bluestar	1		1.5
370		Kawshik		Carrier	2		1.5
371		Simulation lab		Carrier	2		2
372		Seminar hall		Carrier	2		2
373		Aananth		Voltas	1		1.5

374		Sivprakasam		Voltas	1		1.5
375		Arulappan		Voltas	1		1.5
376		Udhyakumar		Voltas	1		1.5
377		Arulmozhliselvan		Voltas	1		1.5
378		Ramesh		Carrier	1		1.5
379		Ramesh		Voltas	2		1.5
380		Mariyappan		Voltas	1		1.5
381		Suresh		Voltas	1		1.5
382		Sahulhamed		Voltas	1		1.5
383		Venkatachalapathi		Voltas	1		1.5
384		Automobile Room		Voltas	4		1.5
385				Carrier	2		1.5
386		Muthukumaran		Voltas	1		1.5
387				Voltas	1		1.5
388		Nagarajan		Voltas	1		1.5
389		Kumersanbabu		Voltas	1		1.5
390		Sinivasarao		Voltas	1		1.5
391		Kumarrao		Voltas	1		1.5
392		Suriyanarayanan		Voltas	1		1.5
393		2nd Floor		Voltas	3		1.5
394		Visiting faculty room		Voltas	1		1.5
395		Ortical Microscopes room		Voltas	1		1.5
396		Lab (Roshanbabu)		Voltas	2		2
397				Carrier	1		1.5
398		Faculty's Room (Dr.Prakash)		Videocon	1		1.5
399				Videocon	2		2
400				Voltas	2		2
401		HOD Room(T&P)		Voltas		3	2
402				Carrier	2		2
403				Voltas	1		2
404	PRODUCTI ON	Sathishkumar	103	Voltas	1		1.5
405		Micro nano materials	106	Voltas	2		1.5
406		Committee room	105	Carrier	4		1.5
407			107	Voltas	1		1.5
408		Inteligent systems lab	115	Voltas	1		1.5

409		Laser surface lab		Bluestar	2		1.5
410		Integrated manufacturing lab		Carrier	2		1.5
411		Jeyapaul		Voltas	1		1.5
412		Sathya narayanan		Voltas	1		1.5
413		Sathya		Voltas	1		1.5
414		Senthil		Voltas	1		1.5
415		Prasna venkadesan		Voltas	1		1.5
416		Panner selvam	213	Voltas	1		1.5
417		Noorul haq		Voltas	1		1.5
418		selvaraj		Carrier	1		1.5
419		Jerald		Voltas	1		1.5
420		Sim lab		Voltas	1		1.5
421		Seminar hall	217	Videocon	4		1.5
422		Parthiban	305	Voltas	1		1.5
423		Lenin singaravelan	307	Voltas	1		1.5
424		Rapid manufacturing lab	306	Carrier	1		1.5
425		Rapid manufacturing lab	306	Voltas		1	1.5
426		Vinod	316	Voltas	1		1.5
427		senthilkumar	315	Voltas	1		1.5
428		Supply Main Management lab		Voltas	2		1.5
429		Mechtronics lab	309	Samsung	1		1.5
430		Mechtronics lab	309	Carrier	1		2
431	ICE	Seminar Hall	105	Carrier	4		1.5
432		Process Control Lab		Voltas	1		1.5
433		HOD		Voltas	1		1.5
434		Industrial Automation Lab		Voltas	4		1.5
435			102A	Carrier	1		2
436		Smart structural	206	Carrier	1		1.5
437			206	Carrier	1		2
438		Uma	202	Voltas	1		1.5
439			201	Voltas	1		1.5
440		Purchase Store Section		Voltas	4		2
441		Vasuki		Voltas	1		1.5

442		Dhanalakshmi		Voltas	1		1.5
443		Embeeded system lab		vester	2		1.5
444		Ezhilarasi		Voltas	1		1.5
445		Modeling simulation lab		vester	2		1.5
446		reasearch scholar room	301	Voltas	1		1.5
447	CENTRAL LIBRARY	Shiva chidambaram	104	Videocon	1		2
448		Parameshwaran	204	Carrier	1		2
449		3rd Floor	403	Carrier	1		2
450		Digital knowledge		Carrier	8		1.5
451	TELEPHONE EXCHANGE			Carrier	1		1.5
452				Vester	1		1.5
453	EMD	EE Office		Carrier	1		1.5
454		SS Mani		Carrier	1		1.5
455	EMC	Office		Carrier	1		2
456				Voltas	1		2
457	Barn Hall			Voltas	62	2	1.5
458		Barn Hall		Voltas	10		2
459				Carrier	4		2
460	Various	New AC's Purchased		Hitachi	43		1.5
461	Various	New AC's Purchased		Godrej	10		2
462	Ojas	New AC's Purchased		Carrier	4		2
		Total			711	107	

LIST SPLT AIR CONDITIONER FOR HOSTEL

S.No	Location	Floor	Make	Non-inverter	Inverter	Ton
1	Garnet - A	1F	Voltas		3	1.5
2		2F	Voltas		3	1.5
3	Garnet - B	1F	Voltas		3	1.5
4		2F	Voltas		2	1.5
5	Garnet - C	1F	Voltas		3	1.5
6		2F	Voltas		3	1.5
7	Opal - A GYM	GF	Voltas		3	2.0
8	Common Room Study Hall	GF	Voltas		3	2.0
9		1F	Voltas		5	2.0
10	Opal - B	GF	Voltas		3	2.0
11		2F	Voltas		3	2.0
12	Opal - C (East)	GF	Voltas		2	2.0
13		FF	Voltas		2	2.0
14		2 F	Voltas		4	2.0
15	West	2 F	Voltas		4	2.0
16	Study Hall Opal - E	1F	Voltas		3	2.0
	Opal D	GF	Voltas		3	2.0
17	Zircon-A Common Room	1F	Voltas		3	2.0
18		2F	Voltas		3	2.0
19	Zircon-B	1F	Voltas		3	2.0
21		2F	Voltas		3	2.0
23	Zircon-C	1F	Voltas		3	2.0
24		2F	Voltas		3	2.0
26	Aquamarine - A	2F	Voltas		3	2.0
27		3F	Voltas		3	2.0
28		1F	Voltas		2	2.0
30	Aquamarine - B	1F	Voltas		2	2.0
31		2F	Voltas		3	2.0
32		3F	Voltas		3	2.0
33	Amber - A	FF	Voltas		3	2.0
34		SF	Voltas		3	2.0
35		3rd Floor	Voltas		3	2.0
36	Amber - B	FF	Voltas		3	2.0
37		2nd floor	Voltas		3	2.0
38		3rd floor	Voltas		3	2.0
39	Pearl	1F	Voltas		2	1.5
40		2F	Voltas		2	1.5
41	Topaz	1F	Voltas		2	2.0
42		2F	Voltas		2	2.0

43	Lapis	1F	Voltas		2	2.0
44		2F	Voltas		2	2.0
45	Emerald	1F	Voltas		2	1.5
46		2F	Voltas		2	1.5
47	Ruby	1F	Voltas		2	1.5
48		2F	Voltas		2	1.5
49	New guest house GF	A1	VIDEOCON NON INVERTER	1		1.5
50		A1	Voltas		3	1.5
51		B1	VIDEOCON NON INVERTER	2		1.5
52		A2	VIDEOCON NON INVERTER	1		1.5
53		A2	Voltas		3	1.5
54		DINING	Voltas	4		1.5
55		C	VIDEOCON NON INVERTER			1.5
56		D	VIDEOCON NON INVERTER			2.0
57		New guest house FF	F 1	VIDEOCON NON INVERTER	1	
58	DINING		CARRIER		4	2.0
59	11-20		CARRIER		10	1.5
60	New guest house SF	F2	Voltas		1	2.0
61		L1	CARRIER	1		1.5
62		22 - 30	CARRIER	8		1.5
63	New guest house TF	31 - 40	VIDEOCON NON INVERTER	10		1.5
64		F 3	Voltas		1	2.0
66	OLD GUEST HOUSE	41 - 44	Voltas		4	2.0
67		FF 45 - 52	Voltas		7	2.0
68		SF 53	Voltas		1	2.0
69		SF 54	CARRIER		1	1.5
70		SF 55	CARRIER		1	1.5
71						
73		MINI SHOOT	Voltas		1	1.5
74		MINI SHOOT	Voltas		2	2.0

75	DINING HALL	Dining Hall Outside	Voltas		2	1.5
76		Dining Hall Inside	Voltas		1	2.0
77		Dining Hall Inside	Voltas		2	2.0
78	HOSTEL OFFICE GROUND FLOOR	Convener room, Chief Warden	Voltas		2	2.0
79		Consultant	Bluestar	1		1.5
80		Near consultant	Videocon	1		1.5
	Total			30	170	

Annexure - I

Sl.No	Description	Institute Zone	Hostel Zone	Total	Make
1	1.5 TR Non-Invertor type	551	29	582	VOLTAS CARRIER VIDEOCON BLUESTAR SAMSUNG LG VESTAR DAIKIN ONIDA HITACHI GODREJ
2	2.0 TR Non-Invertor type	160	1	161	
3	1.5 TR Invertor type	53	50	103	
4	2.0 TR Invertor type	54	120	174	
	Total Units	818	200	1020	

Item Rate BoQ

Tender Inviting Authority: The Director, NIT Tiruchirappalli						
Name of Work: Comprehensive Annual Maintenance Contract (spare parts wise) of 1020 Nos. various Brand/Capacity/Window/ Hi wall Split Air-conditioning units installed in NIT, Tiruchirappalli – 620 015. Tamilnadu. (listed in Annexure –A)						
Contract No: NITT/EMD/AE(R&AC)/Enq.No.11C/CAMC-AC/GROUP-II/2020-21 Dated: 06.07.2021						
Bidder Name : 						
<u>PRICE SCHEDULE</u>						
(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)						
Quoted Rate is exclusive of GST						
Sl. No.	Item Description	Quantity	Units	BASIC RATE PER UNIT In Figures To be entered by the Bidder	TOTAL AMOUNT	TOTAL AMOUNT In Words
1	Supply and installation of following Hi wall split Air conditioner INDOOR units spares with necessary arrangements including identification of faults. Make: Carrier, Voltas, Vester, Bluestar, Hitachi, Godrej (3 to 10 years old)					
1.1	1.5 TR Non-Invertor type Indoor units					
1.11	Evaporator Coil	20.00	Each			
1.12	Fan Motor Capacitor (0.5 - 4 MFD) or suitable	50.00	Each			
1.13	Blower Motor	50.00	Each			
1.14	Louver	25.00	Each			
1.15	Coil Sensor	50.00	Each			
1.16	Temp Sensor	50.00	Each			
1.17	PCB	50.00	Each			

Sl. No.	Item Description	Quantity	Units	BASIC RATE PER UNIT In Figures To be entered by the Bidder	TOTAL AMOUNT	TOTAL AMOUNT In Words
1.2	2.0 TR Non-Invertor type Indoor units					
1.21	Evaporator Coil	20.00	Each			
1.22	Fan Motor Capacitor (0.5 - 4 MFD) or suitable	50.00	Each			
1.23	Blower Motor	50.00	Each			
1.24	Louver	25.00	Each			
1.25	Coil Sensor	50.00	Each			
1.26	Temp Sensor	50.00	Each			
1.27	PCB	50.00	Each			
2	Supply and installation of following Hi wall split Air conditioner OUTDOOR units spares with necessary arrangements including identification of faults. Make: Carrier, Voltas, Vester, Bluestar, Hitachi, Godrej (3 to 10 years old)					
2.1	1.5 TR Non-Invertor type outdoor units					
2.11	Compressor Replacement	50.00	Each			
2.12	Condenser Coil	100.00	Each			
2.13	Motor	50.00	Each			
2.14	Fan Blade	50.00	Each			
2.15	Running Capacitor up to 60 MFD	100.00	Each			
2.2	2.0 TR Non-Invertor type outdoor units					
2.21	Compressor Replacement	50.00	Each			
2.22	Condenser Coil	50.00	Each			
2.23	Motor	50.00	Each			

Sl. No.	Item Description	Quantity	Units	BASIC RATE PER UNIT In Figures To be entered by the Bidder	TOTAL AMOUNT	TOTAL AMOUNT In Words
2.24	Fan Blade	50.00	Each			
2.25	Running Capacitor up to 60 MFD	100.00	Each			
3	Supply and installation of following Hi wall split Air conditioner INDOOR units spares with necessary arrangements including identification of faults. Make: Carrier, Voltas (5 to 8 years old)					
3.1	1.5 TR Invertor type Indoor units					
3.11	Evaporator Coil	50.00	Each			
3.12	Blower Motor	50.00	Each			
3.13	Louver	25.00	Each			
3.14	Coil Sensor	50.00	Each			
3.15	Temp Sensor	50.00	Each			
3.16	PCB	50.00	Each			
3.2	2.0 TR Invertor type Indoor units					
3.21	Evaporator Coil	50.00	Each			
3.22	Blower Motor	50.00	Each			
3.23	Louver	25.00	Each			
3.24	Coil Sensor	50.00	Each			
3.25	Temp Sensor	50.00	Each			
3.26	PCB	50.00	Each			

Sl. No.	Item Description	Quantity	Units	BASIC RATE PER UNIT In Figures To be entered by the Bidder	TOTAL AMOUNT	TOTAL AMOUNT In Words
4	Supply and installation of following Hi wall split Air conditioner OUTDOOR units spares with necessary arrangements including identification of faults (Make: Carrier, Voltas) (5 to 8 years old)					
4.1	1.5 TR Invertor type outdoor units					
4.11	Compressor replacement	50.00	Each			
4.12	Condenser Coil	10.00	Each			
4.13	Motor	10.00	Each			
4.14	Fan Blade	50.00	Each			
4.15	Sensor	25.00	Each			
4.16	PCB	25.00	Each			
4.2	2.0 TR Invertor type outdoor units					
4.21	Compressor replacement	50.00	Each			
4.22	Condenser Coil	10.00	Each			
4.23	Motor	10.00	Each			
4.24	Fan Blade	50.00	Each			
4.25	Sensor	25.00	Each			
4.26	PCB	25.00	Each			
5	General items					
6	Supply of Stabilizer 4kVA – V- Guard	50.00	Each			
7	Supply of Stabilizer 5kVA – V- Guard	50.00	Each			
8	Service Valve ½ ” & ¼” size	10.00	Each			

Sl. No.	Item Description	Quantity	Units	BASIC RATE PER UNIT In Figures To be entered by the Bidder	TOTAL AMOUNT	TOTAL AMOUNT In Words
9	Flair/Dummy nuts – ¼”	25.00	Each			
10	Supply for Split AC units remotes	50.00	Each			
11	Service for stablisers	50.00	Each			
12	Powder coated MS stand for Outdoor unit	25.00	Each			
13	Providing and fixing MS/PVC weld mesh shutter of grid size 1"x1" or 1"x1/2" to cover the A/C outdoor units /per unit.	500.00	Each			
14	Labour charges for shifting of split AC units from one place to another place (within the campus) with proper insulation and providing drainage pipe with necessary arrangements etc.	50.00	Each			
15	Supply and laying of additional copper tubing, size of 1/2” + 1/4” diameter for suction and liquid line with polythene pipe section insulation, proper drainage, Screws, rowel plugs as per site requirements for above re-installation work.	200.00	Meters			
16	Supply and filling of additional gas charging with eco-friendly gas & non eco-friendly (R-22 & R-410A/R-32) as per the site requirements.	100.00	Kg			
17	Carried out of general complete service with cleaning of indoor and outdoor units for 1.5 TR/2.0TR Non-Invertor/Invertor type split units. (Requirement based)	1200.00	Each			
18	Labour charges for Breakdown attending and rectification work without any materials.(complaint based)	250.00	Each			
19	Supply and laying of Nitrile rubber tube- foam insulation for suction and liquid line copper pipes ½” + ¼” to existing working units.	500.00	Meters			
TOTAL AMOUNT (Rs.)						
Quoted Rate in Words						
Note: GST Extra as applicable						

PROCESS COMPLIANCE/ACCEPTANCE OF TENDER CONDITIONS FORM

The Form has to be submitted in the Letter Head of the Firm/Company/Enterprises along with appropriate Sign & Seal)

**The Director,
National Institute of Technology,
Trichy – 15**

Sub : Acceptance to the Process related & Terms and Conditions for the- Limited tendering
Ref. : The Terms & Conditions for e-Tendering mentioned in Tender.
No. : _____
Sir,

We hereby confirm the following.

The undersigned is authorized representative of the company. We have carefully gone through the NIT Tiruchirappalli, Tender Documents and the Rules governing the Limited Tender along with this document. We have examined and have no reservations to the Bidding Documents, including addendum (if any). We offer to supply in conformity with the Bidding Documents and in accordance with the condition of contract specified in this tender document. We will honour the Bid submitted by us during the Limited Tender. We give undertaking that if any mistake occurs while submitting the bid from our side, we will honour the same.

Bid Securing Declaration: - We accept that if we withdraw or modify Bids during the period of validity, or if we are awarded the contract and fail to sign the contract, or to submit a performance security before the deadline defined in this bids document, we will be suspended / blacklisted / banned for contracts with National Institute of Technology, Tiruchirappalli

We are aware that if NIT Tiruchirappalli has to carry out e-tender again due to our mistake, NIT Tiruchirappalli has the right to disqualify us for this tender when refloated. Our bid shall be valid for the period from the date fixed for the bid submission deadline & it shall remain binding upon us and accepted at any time before the expiration of bid validity period as per this tender.

If our bid is accepted, we commit to provide a performance security deposit at 5 % of purchase value in Bank Guarantee /Fixed Deposits for due performance of the contract as per NIT Tiruchirappalli policy and warranty-guarantee as per tender specification or agrees as per contract. We understand that this bid, together with your written acceptance thereof included in your notification of award/placement of order, shall constitute a binding contract between us. We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive. We accept that the competent authority in NIT Tiruchirappalli will have full right to reject any/all offer(s) without assigning any reason thereof and does not bind itself to accept the lowest or any other tender and full authority to postpone the tender issue date, submission /opening date or to alter any other condition of tender /cancellation of this tender, as per policy/committee recommendations of NIT Tiruchirappalli at any stage without assigning any reason thereof for which no claim from whomsoever will be entertained. I/We the undersigned have read the entire terms and conditions of this Tender document and we are fully agreeable to the terms and conditions mentioned herein. The decision of competent authority of NIT Tiruchirappalli with respect to this Tender-Result will be fully agreeable and binding on us.

This letter can be treated as signed and acceptance copy of tender documents and the forms submitted as signed by competent authority of firm submitting this tender and there is no need to submit separate signed copy of tender document.

Competent Authority of the Firm/Company/Enterprises to sign:

Name
Designation
Contact Details

Date with stamp & seal of organization: