



NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI - 620 015, TAMIL NADU

राष्ट्रीय प्रौद्योगिकी संस्थान- तिरुचिरापल्ली - 620 015. तमिलनाडु.

Web site: [www.nitt.edu](http://www.nitt.edu)

Phone: 0431 – 2503836/940

Estate Maintenance Department - Electrical Maintenance Centre - R&AC

**NOTICE INVITING TENDER FOR SUPPLY INSTALLATION, TESTING & COMMISSIONING OF 22 TR CAPACITY DUCTABLE TYPE AIR CONDITIONER.**

<b>BID SYNOPSIS</b>	
Tender Reference Number and date	NITT/AD(P&D)/EMD/AE(R&AC)/Enq.No.61/CSGANEX-II/2 <sup>nd</sup> PROJ/05/17 dated 09.11.2017
Brief Description of the Tender	Supply, Installation, Testing & Commissioning of 22 TR capacity ductable type Air-conditioning systems comprising Air cooled condensing units (11TR x 2 Nos./ scroll compressors) to work in conjunction with DX double skin ONE Air handling unit (Double circuit 11TR x 2), microprocessor control panel, and other necessary accessories as listed (Annexures) to connect existing laid ducts.
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 <a href="http://www.nitt.edu">www.nitt.edu</a>
Earnest Money Deposit ( <b>Refundable</b> )	<b>Rs.16,500/- (Rupees sixteen thousand and five hundred only)</b> in the form of Demand Draft drawn in favour of The Director, NIT, Tiruchirappalli.
Value of supply/work	<b>Rs.8,25,000/-</b>
Last date and time for receipt of tender	<b>Friday , 9<sup>th</sup> February 2018 up to 3.00 P.M</b>
Mode of submission of Tender	By Speed Post/ Register Post/ Courier or through Hand delivery at the NITT Administrative Office.
Date, time and venue Opening of Tender (only technical bid)	<b>Friday , 9<sup>th</sup> February 2018 @ 3.30 P.M</b>
Validity of the Bid	<b>120 days</b>
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.
Address for submission of Tender	The Director, National Institute of Technology, Tiruchirappalli-15, Tamil Nadu <b>With a mark of kind attention to: THE ESTATE OFFICER, Estate Maintenance Department, Electrical Maintenance Centre, NIT, Trichy.</b>
Procedure for submission of Tender	<b>Envelope 1:</b> EMD <b>Envelope 2:</b> Technical Bid <b>Envelope 3:</b> Price Bid Group – I (Enq.No:61 – 22TR Ductable type AC UNIT ) <b>Envelope 4:</b> Larger Size Outer Envelope (Wrapper) containing Envelope 1, 2 and 3 (All the cover should be marked separately)
Performance Security bank guarantee	<b>5% of the contract value</b>
Contact information (only Technical queries)	Estate Officer, Estate Maintenance Department, NIT, Tiruchy Phone: 0431 – 2503836, 940

## **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 to the Supply, Installation, Testing & Commissioning of 22 TR capacity ductable type Air-conditioning systems comprising Air cooled condensing units (11TR x 2 Nos./ scroll compressors) to work in conjunction with DX double skin ONE Air handling unit (Double circuit 11TR x 2), microprocessor control panel, and other necessary accessories as listed (Annexures) to connect existing laid ducts.

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 type of work (supply, erection & service) in Government Departments / Public Sector Undertakings / Other Organisations for the last three years. Relevant proof in support shall be submitted
4. **Pre-qualification Eligibility Criteria:** Average gross receipts from Air-conditioning service, sales and service during the last three financial years should not less than **2.5** lakhs.

### **1.2 INSTRUCTIONS REGARDING SEALING AND MARKING OF BIDS**

1. Procedure for sealing and marking of bids: The Tender / Bid Cover shall contain the following:
2. The Contractor is advised to inspect the units and ascertain the old unit status listed in the Annexures before offering the Bids.

3. **FIRST envelope** should contain the Earnest Money Deposit. The envelope should be sealed and super scribed as **“EMD COVER”** mentioning the tender reference number
4. **SECOND envelope** should contain the Technical Bid along with enclosures desired in the Tender document. This envelope should be sealed and super scribed as **“TECHNICAL BID”** Cover mentioning the tender reference number.
5. **THIRD envelope** should contain the Price Bid. This envelope should be sealed and super scribed as **“PRICE BID”** Cover mentioning the tender reference number.
6. **Fourth Envelope** All the above mentioned THREE SEPARATE ENVELOPS are to be sealed and kept in one single Larger size outer envelope (**FOURTH envelope**) which should also be sealed and super scribed.

Each of the FOUR ENVELOPS shall be super scribed with following details:

Tender reference Number NITT/AD(P&D)/EMD/AE(R&AC)/Enq.No.61/CSGANEX-II/2<sup>nd</sup> PROJ/05/17 dated 09.11.2017 for supply & installation of 22TR ductable type Air Conditioner.  
 [Kind Attention: THE ESTATE OFFICER, Estate Maintenance Department, Electrical Maintenance Centre, NIT, Trichy]  
 Due date of tender **09-02-2018** and time 03.00 PM  
 Name of the Department inviting this tender: Estate Maintenance Department/Electrical  
 Name and Complete address of the Bidder :

7. If all the THREE inner envelopes and the ONE outer envelope (i.e., larger envelope) are not sealed and marked as instructed, NITT will assume no responsibility for the misplacement or premature opening of any of the envelope. An envelope opened prematurely will be rejected.

## **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. **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.

3. The sealed tender should be submitted on or before Last date and time of receipt of Bid through Registered Post or Speed Post or hand delivery. The offers submitted by telex/telegram/fax/ E-mail etc. Shall not be accepted and will be summarily rejected.
4. At the first stage, the envelope containing EMD amount will be opened on date as mentioned as tender opening date in BID Synopsis, 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 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. The NITT shall not be responsible for any postal delay in receipt of the offer. Tender should be properly sealed The NITT will not be responsible for pre mature opening of the tenders.
17. Offers should be clearly written or typed without any cutting or over writing. All cutting /over writing must be initialed and stamped.
18. Making misleading or false representation in the bid document will lead to disqualification of the bidder resulting in forfeiture of EMD amount.
19. The EMDs of all the unsuccessful bidders will be returned to them at the earliest after issue of purchase/work order.
20. The EMD of Successful bidder will be returned on receipt of 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.
21. **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.

The item rate offered is for finished item of works and shall provide for the complete cost towards fuel, tools, tackles, plant & machinery, temporary works, labour, materials, levies, taxes, transport, lay-out, repairs, rectifications, maintenance till handing over, supervision, profits & all other incidentals etc., complete. Rate quoted shall include all royalties, terminal taxes, **GST**, Central or Provincial Excise Tax, Sales Tax and any other taxes liable under the State or Central Government rules if any. NITT will not entertain any claim whatever in this respect.

22. Some changes are likely in the quantities furnished as well as in the layout, design and specifications of the work. The rates quoted shall be deemed to be inclusive of all such contingencies.
23. The Supervisor/Technician/ Labors persons should have physical fitness to carry out the works. They should not be transferred without client's concurrence.
24. The Supervisor/technicians/Labors deputed for the job shall be skilled and have sufficient experience.
25. The decision of Engineer-in-charge shall be final and binding on the contractor regarding clarification of items in this tender schedule.
26. To safeguard the persons working at height in roof, wall etc., sufficient number of Industrial Safety nets shall be provided at tenderer's cost in appropriate level and locations. The working hand including Supervisors, Engineers should wear the personal protective items and safety measures such as helmets, safety belts, shoes, etc., before entering into working place.
27. Expertise labour and work experienced persons only to be engaged for specialized items of work like laying of ducts, erection of AC units and other connected works.
28. The contractor shall follow norms of NITT security system for movement of men & materials within the campus.
29. All materials brought by the Contractor for incorporation in the work shall be got inspected and approved by the Engineer-in-charge before they are incorporated in the work and submitted with bills.
30. The contractor should extend full co-operation to the other contractors who may be doing other works in the same areas to enable them to execute their portions of work without any delay or difficulty.

31. No advance payment will be made. No part payment will be made.
32. The bidder shall ensure that the manpower / human resources deployed at NITT conform to the standards prescribed in the Tender Document.
33. The Contractor must ensure that Supervisors /Technicians/Labours /helpers shall work with proper Shoes/ID CARDS and other safety accessories like line Tester, instruments mask, Eye glass and gloves etc.,
34. No night work will be permitted without the written permission of the Engineer - in - charge.
35. In all matters of dispute, the decision of the Director, National Institute of Technology, Tiruchirappalli -620 015 shall be final and binding on the tenderer / contractor.
36. **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.
37. The Contractor has to provide high standard of work in disciplined manner and is required to inform about the progress of work to the respective staffs of Estate maintenance department on day-to-day basis.
38. The tender value includes cost of supply of AC and civil materials and all other related material required for completion of the work.
39. Time is the essence of the contract. Being a time bound project, the contractor should make all efforts to complete the work in time.
40. Contractor shall positively observe all safety measures required to be undertaken for safety of persons, labours, and properties at work site/plant premises/residential premises/public places.
41. Even though the overall completion period is indicated as 3 months, the work shall be completed progressively and handed over as per agreed split up schedule if any.
42. If any accident takes place at the site during the installation, it will be the sole responsibility of the contractor to indemnify the department for any loss arising out of such accidents/ losses theft etc.
43. The tenderers are advised to visit the site and get themselves acquainted with the site conditions before submitting the offer. Quoted rate shall remain valid for a period of 120 days from the date of tender opening for the release of work order and will be firm throughout the contract period of 2 months or till completion of work, once awarded and no cost escalation is allowed on any account.
44. **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.

45. **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 THIRUCHIRAPPLI and the decision of the arbitrator shall be final and binding on the parties.
46. 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
47. 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.
48. 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.
49. 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. Payment shall be made after verification of the Records as per NITT norms and make all endeavor to make payments within 45 days from the date of the receipt of the invoice to the Contractor if everything in order.
2. Final payment will be made after satisfactory completed and submitted all warranty certificates from manufacturer with model No. and serial No., appropriate diagrams, and user manuals. The bill should be in favour of "The Director, National Institute of Technology, Tiruchirappalli – 620 015. Tamilnadu, India.

3. 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.
4. 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.
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

### **2.3 TERMINATION**

1. 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 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 encashed.
2. 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.
3. **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.
4. **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.
5. 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.
6. **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.



7. **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.
8. 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
9. **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
10. 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.

### **3. 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. The decision of Client in regard to applicability of compensation for delay shall be final and binding on the contractor.

## **BID SUBMISSION FORM**

Date: \_\_\_\_\_

### **LETTER OF BID**

To

The Director  
National Institute of Technology  
Tiruchirappalli – 620 015.

Ref: Invitation for Bid No. NITT/AD (P&D)/EMD/AE(R&AC)/Enq.No.61/CSG ANNEX-II/  
2<sup>nd</sup>PROJ/05/17 dated 09.11.2017

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 supply and installation of 22TR ductable 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,

Authorised Signatory

(Authorised 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 PBG 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

## ANNEXURE –I

### SPECIFICATION FOR 22TR DUCTABLE AIR CONDITIONERS.

<b>Title of the Project</b>	<b>CSG - ANNEXURE – I (AC REPLACEMENT WORK)</b>
<b>Type of the Project</b>	Supply, Installation, Testing & Commissioning of 22 TR capacity ductable type Air-conditioning systems comprising Air cooled condensing units (11TR x 2 nos. /scroll compressors) to work in conjunction with comprising pre-filters, 6-row DX DX double skin ONE Air handling unit (Double circuit AHU 11TR x 2), microprocessor control panel, and other necessary accessories as listed (Annexures) to connect existing laid ducts. (Including of all connected works as per Annexures except NITT scope)
<b>Location</b>	<b>COMPUTER SUPPORT GROUP ANNEXURE BUILDING – I (First floor)</b>
<b>Capacity</b>	<b>22 TR Condensing Unit (11TR X 2nos.)/ (2nos. Scroll type compressors) 1 Nos. 22 TR Double Skin Air Handling Unit (6 ROW DX) (Double circuit AHU 11TR x2)</b>
<b>Operating voltage</b>	<b>3 phase / 430V /50hz</b>
<b>Area to be A.C – Sq.Ft</b>	<b>17000 (Approximately)</b>
<b>Outside design conditions</b>	<b>104° FDB &amp; 80° FWB</b>
<b>Inside design conditions</b>	<b>75° FDB +/- 2° FDB</b>
<b>Lighting load – watts/Sq.</b>	<b>1.5</b>
<b>Equipment load</b>	<b>4 kVA</b>
<b>Occupancy- no. of persons</b>	<b>100</b>
<b>Warranty</b>	<b>One year</b>
<b>Extended AMC for another Three years</b>	<b>To be specified by the vendor/supplier @ price bid</b>

**ANNEXURE –II**  
**SUPPLY OF MATERIALS**

S.No.	Description	Unit	Qty.
01.	Air cooled condensing units 22 TR capacity comprising of scroll compressors (two circuits 11TR x 2), air-cooled condensers and micro controllers. (All the coils should be in copper) Make: Any standard brands	No.	11TR – 2 Nos.
02.	Double skin floor mounted suspended one air handling unit (AHU) of 22 TR capacity (Double circuit AHU 11TR x 2) comprising pre-filters, 6-row DX cooling coil, thermostatic expansion Valves, Drier and DIDW blower, motor with mixing box and suitable filters. Make:Edge Tech/ Boopathy Associates/ Cool /Breeze Air Equipped with ISO 9001: 2008 and 14001: 2004 certification/ "EN 1886 " Certification from manufacturer	No.	01
03.	Copper refrigerant piping interconnecting each indoor and outdoor units – 7/8”.	Rmt.	10
04.	Copper refrigerant piping interconnecting each other indoor and outdoor units 1- 1/8”	Rmt.	10
05.	Initial charge of refrigerant gas. Eco friendly R407C or R410a	kg	As req.
06.	Thermostatic Expansion Value and Drier. Make: Danfoss or equivalent	Nos.	02
07.	Flexible canvass connection	Lot	01
08.	GSS supply air ducting – 22G for plenum	Sq.Mt.	As req.
09.	Insulated flexible ducts.	Rmt.	If necessary
10.	Volume control dampers out of GSS construction.	Lot.	01
11.	Underdeck insulation carried out of 50 mm thick expanded polystyrene slabs.	Sq.Mt	19
12.	MS painted frame work for locating the outdoor unit.	Lot	2 Nos.
13.	Wall mounting Digital thermometer (LED)	Lot	02
14.	Interlink cables/control wires and wiring work for indoor and outdoor units	Lot	01
15.	AHU Electrical starter panel	Lot	01
16.	Microprocessor control panel	Lot	01
17.	Required fasteners	Lot	01

**\*\* Vendors may visit our site and quote accordingly.**

### **ANNEXURE - III**

**SCOPE OF WORK** (Installation, Testing and commissioning of the above said AC units)

S.No.	DESCRIPTION	Unit	Qty.
01.	Cabling, Earthing and Terminations	Rmt	10
02.	Microprocessor control panel with wired thermostat control and connecting work	Lot	01
03.	Drain piping carried out of hard PVC pipes	Rmt	10
04.	Plenum Air Duct work to connect exiting laid duct.	Lot	01
05.	Design, Erection, Testing and commissioning of the units	Lot	01
06.	Including of all minor civil work related with AC installation work.	Lot	01
07.	** Removal of 22TR chiller, condensing units & AHU (buyback) in first floor and mounting of new AHU	Lot	01
08.	Transportation	Lot	01

**\*\* Vendors may visit our site and quote accordingly.**

### **ANNEXURE -IV**

#### **NITT SCOPE**

- 415V, 3 Phase, 50 Hz power supply from existing main switch will be provided.
- Separate earth will be provided for each indoor and outdoor units.
- Provision of venetian blinds/ thick curtains for exposed glass.



ANNEXURE -V

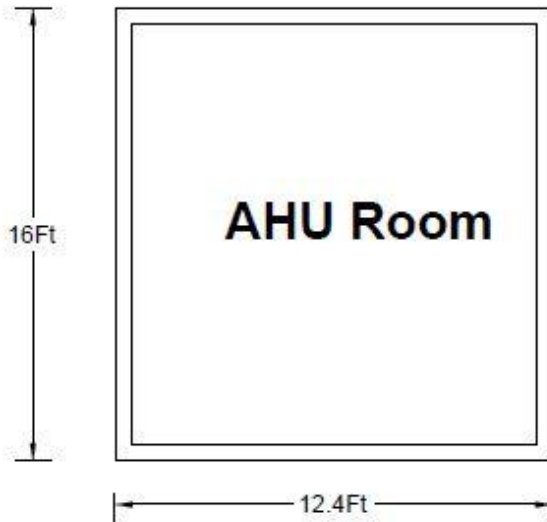
Existing duct position to connect proposed new **Air Handling Unit** through plenum



**Proposed lab for Air conditioning - CSG – Annexure I – 1<sup>ST</sup> FLOOR**



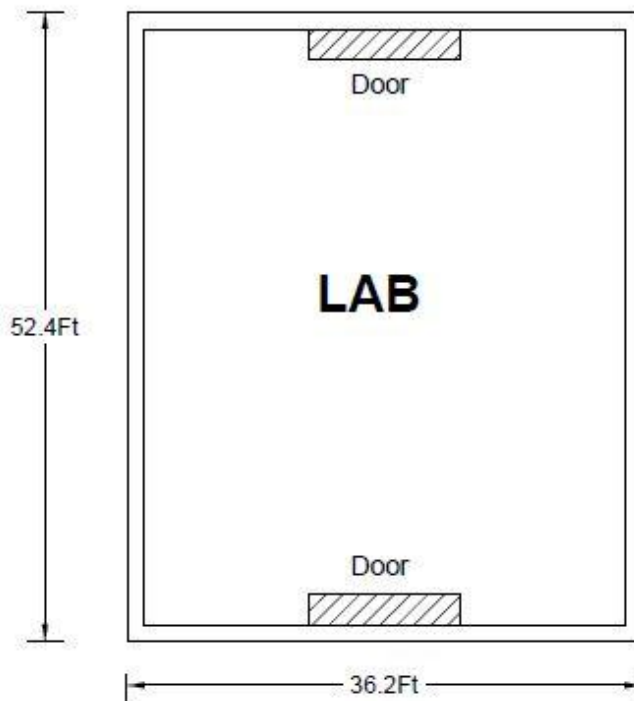
## INTERNET LAB - CSG ANNEURE - I



Length - 16Feet

Breadth - 12.4Feet

Height - 11.2Feet



Length - 52.4Feet

Breadth - 36.2Feet

Height - 9Feet

**22TR chiller type AHU – 1no. & 3 nos. of condensing units – for buyback and removal**  
**(Working good condition)**

**Note: Vendors may visit our site and quote accordingly**









**FORMAT FOR SUBMITTING TECHNICAL BID**  
**(To be submitted in a separate sealed envelope-1)**

Sl. No.	Description	Information/ Compliance
1.	Do you unconditionally agree with all Terms and Conditions stipulated in the Tender Document?  (Yes/No)	
2.	<b>Details of EMD remittance</b>	Amount: Rs.: DD Number: Date: Name of Bank: Payable at :
3.	<b>Name and Address</b> of the Applicant/ bidder with Telephone/ Fax/ Mobile and Mail ID	
4.	<b>Year of Establishment / Incorporation / commencement of Concern</b>	
5.	<b>Registration/ Incorporation Particulars</b> (Please attach attested copies of documents of registration/ incorporation of your firm/ Company as required under business law)	
6.	<b>Legal Status</b> 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.	<b>Profile</b> 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.	<b>Name, designation and Phone number of persons authorized to sign the documents</b> 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.	<b>Name and Designation of the Contact Person/ Representative/ Manager</b> of the Successful bidder/ firm/ company with mobile number & email ID		
10.	<b>Average gross receipts from Air-conditioning service during the last three financial years (2014-15, 2015-16, 2016- 2017)</b>	Years	Turnover
		2014-15	
		2015-16	
		2016-17	
11.	<b>Are your firm/ company carrying out any other trade/ business in addition to Manpower / personnel hiring services?</b> Furnish particulars of other trade/ business carried out.		
12.	<b>Total experience</b> (years/ months) in this field		
13.	Average/Annual Turnover in last three years from business.		
14.	<b>Have your concern/ firm/ company ever changed its name any time?</b> If yes, provide the previous name and the reasons there for?		

16.	Man Power strength Designation wise	
17.	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.	
18.	<b>Income Tax Permanent Account Number</b> (Self attested Copy of PAN Card to be enclosed)	
19.	<b>Income Tax Assessment Completion Certificates/ Assessment Orders for the financial years 2014-15, 2015-16, 2016-17</b> (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)	
20.	<b>Have you registered any under Employees State Insurance Corporation Act (ESI) Act?</b> If so, enclose copy of the registration certificate. Also provide a copy of latest remittance made by your successful bidder/ firm/ company	
21.	<b>Have you registered any Under Employees Provident Fund (EPF) and Miscellaneous Provisions Act?</b> If so, enclose copy of the registration certificate. Also provide a copy of the latest remittance, if any, made by your firm towards EPF.	
22.	<b>Service Tax Registration Number</b> (Self attested Proof to be attached). If any.	

23.	<p><b>GST No. and Area Code.</b></p> <p>All of your further correspondences including invoices should bear the GST No. and Area Code.</p>	
24.	Name and address of your banker	
25.	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.	
26.	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.,	
27.	Give details of Termination of previous contract, <b>if any</b>	
28.	Give information, if any, regarding the proceeding for bankruptcy, insolvency or winding up in which the bidder <b>is / was</b> involved	

29.	Details of <b>ONGOING PROJECTS</b> : 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
30.	➤ Details of quality certifications, if any, obtained viz						
31.	➤ Details of Awards, if any received or Reviews in the Media, if any.						
	➤ Do you have any Dealership/Authorized Service certificate for specific/multiple brand Air conditioner manufacturers?						

32.	Performance certificate from the Customers					Enclose separately	
33.	Details of COMPLETED PROJECTS 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
34..	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 supply and installation of 22TR ductable type AC unit 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**

**FORMAT FOR SUBMITTING PRICE BID/ SCHEDULE OF SUPPLY**

**(To be submitted in a separate sealed envelope -2)**

State : Tamilnadu (Enq.no.038)  
Branch : Estate office/ Electrical

Division : EMD  
Sub Division : EMC - (R&AC)

**Name of Work :** Supply and installation of 22 TR ductable type Air-conditioning systems with proper condensing units to work in conjunction with DX Double Skin Air- Handling Unit and other necessary accessories.

S.No.	DESCRIPTION	QTY. **	UNIT	RATE RS. P.	GST/Tax in ..... % Rs. P.	TOTAL AMOUNT INCLUSIVE OF ALL CHARGES Rs. P.
01.	Supply, Installation, Testing & Commissioning of 22TR (11TR x 2) capacity ductable type Air-conditioning systems comprising Air cooled condensing units (11TR x 2 nos. /scroll compressor) to work in conjunction with comprising pre-filters, <b>6-row DX</b> double skin <b>ONE</b> Air handling unit (Double circuit AHU for 11TR x 2), microprocessor control panel, and other necessary accessories as listed (Annexure – II) to connect existing laid ducts. (Including of all connected works as per Annexure - I, II, & III except annexure-IV. Make for the outdoor units : Make for indoor unit:	01 No. {Including of 2 nos. outdoor units and 1 no. AHU}	<b>Lot</b>			
02.	<b>CAMC for another 3 years (after completing one year warranty period)</b> 2 <sup>nd</sup> year = 3 <sup>rd</sup> year = 4 <sup>th</sup> year = ----- Total = -----		<b>Lot</b>			
03.	<b>LESS - Buyback for existing 22TR AHU - 1No. &amp; CONDENSING UNITS 3 Nos.</b>	<b>Lot</b>	<b>Lot</b>			
04.	<b>Total (1+2-3=4)</b> including of all taxes					
<b>** Vendors may visit our site and quote accordingly</b>						

Tender reference Number: NITT/AD (P&D)/EMD/AE(R&AC)/Enq.No.61/CSGANNEX-II/2<sup>nd</sup>PROJ/05/17 dated 09.11.2017 for supply and installation of 22 TR DUCTABLE/PACKAGE TYPE - Air Conditioners.

[Kind Attention: THE ESTATE OFFICER, Estate Maintenance Department, Electrical Maintenance Centre, NIT, Trichy.

Due date of tender **09 -02-2018 and time 03.00 PM**

Name of the Department inviting this tender: Estate Maintenance Department/Electrical - R&AC

Name and Complete address of the Bidder :