



NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI – 15

Web: www.nitt.edu

Phone: 0431-2503830

e-Procurement Notice

Ref: NITT/EMD/EE/AE (E)/Tender Notice/Enq.No:01/21-22

Dated: 31.01.2022

Online tenders are hereby invited in **three cover system** from Indian Nationals for **providing power supply to newly proposed ductable Air Conditioners for smart class room at orion building.**

Bidders can download complete set of bidding documents from e- procurement Platform <http://eprocure.gov.in/eprocure/app> from **31.01.2022** 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: 21.02.2022 (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	31.01.2022 (06.00PM)
Bid Document Download Start Date	31.01.2022 (06.00PM)
Clarification Start Date	31.01.2022 (06.00PM)
Clarification End Date	21.02.2022 (11.30AM)
Bid Submission Start Date	31.01.2022 (06.00PM)
Bid Submission End Date	21.02.2022 (03.00PM)
Bid Opening Date(Technical)	22.02.2022 (03.30PM)
Bid Opening Date(Price)	Will be announced after technical evaluation

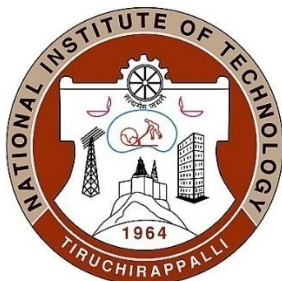
Note :*Bidder should submit the EMD as specified in the tender. The hard copy should be posted / couriered / deposit in person to the Central Dispatch section / Tender Inviting Authority, within bid submission due date and time as indicated in the tender. Scanned copy of the instrument should be uploaded 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	:	Providing power supply to newly proposed ductable Air Conditioners for smart class room at orion building
Tender Notification No	:	NITT/EMD/EE/AE(E)/tender notice/Enq.No:01/21-22
Date	:	31.01.2022
Name of the Department	:	Estate Maintenance Department
EMD Amount	:	Rs.49,966.00
Last Date & Time of submission of Tender	:	21.02.2022 (3.00 PM)
Address for submission of Tender	:	THE DIRECTOR, NIT TIRUCHIRAPPALLI-15 KIND ATTENTION TO: The Assistant Engineer/Electrical, EMD
Date & Time of opening of technical bid	:	22.02.2022 (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/e-procure/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. 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.
16. 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.
17. 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.
18. 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

19. 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.
20. 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.
21. 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

22. 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.
23. 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.
24. 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.
25. 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.

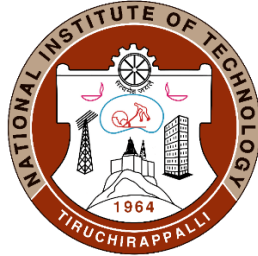
26. The bidder should logout of the tendering system using the normal logout option available at the top right hand corner and not by selecting the (X) exit option in the browser.
27. For any queries regarding e-Tendering process, the bidders may contact at address as provided in the tender document. 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.

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ESTATE MAINTENANCE DEPARTMENT/ELECTRICAL



TENDER DOCUMENT (TECHNICAL BID)

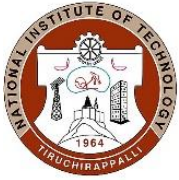
Name of work : Providing power supply to newly proposed ductable Air Conditioners for smart class room at orion building.

Value of work : Rs.24,98,302/- (GST extra as applicable)

Tender Enquiry No : 01/21-22

Period of Contract : 120 days.

Tender Enquiry No : **NITT/EMD/EE/AE(E)/tender notice/Enq.No:01/21-22**



**NATIONAL INSTITUTE OF TECHNOLOGY
TIRUCHIRAPALLI -620 015.
Estate Maintenance Department/Electrical**

NOTICE INVITING TENDER

01.	Name of work	Providing power supply to newly proposed ductable Air Conditioners for smart class room at orion building.
02.	Estimated Cost	Rs.24,98,302/- (GST extra as applicable)
03.	Earnest Money Deposit	Rs.49,966.00
04.	Completion Time	120 Days (From the date of commencement of the work which will be reckoned from the date of handing over of site to the Contractor)
05.	Cost of Tender Document	NIL
06.	Last Date and Time for submission of E-Tender	3.00 PM. On 21.02.2022 (Server time). Late bids shall not be accepted.
07.	a) Date and Time of Opening of E-Technical Bid	3.30PM. on 22.02.2022 (Venue: Stores and Purchase Section, National Institute of Technology, Tiruchirappalli-620015)
	b) Opening of Price bid	After evaluation of technical bids, the date, time and place of opening of the Price bid will be intimated to technically qualified bidders.
08.	Maintenance Period	1 year (One Year from the date of actual completion of the entire work and handing Over to National Institute of Technology)
09.	Address for submission of Tender	The Director, National Institute of Technology, Tiruchirappalli - 620 015
10.	Procedure for submission of Bid	As Per the E-Bidding Procedure

Name of the Agency :

Submitting the Tender :

CONTRACTOR

7

ACCEPTING OFFICER

Check list to evaluate the capability of the tenderer qualifying for price bid opening. (Must Fill & to be Upload the Check list form)

Sl. No	Item/ Requirement from the Bidder	Bidders Response should be definite, complete and legible. Use separate sheet wherever necessary.
1	Particulars of remittance of EMD: Specify (a) DD Number (b) Amount (c) Name of Issuing Banker Note: Bids without EMD will be rejected summarily	
2	Name and Complete Postal address of the Applicant or Bidder Firm/ Company with phone/ Fax/ Mobile number	
3	Legal status / Constitution of the Bidder : (a) Sole Proprietor (b) Partnership (c) Private Limited Company (d) Public Limited Company (e) others Please attach self-attested documentary proof	
4	Details of License type obtained from the Licensing Authority (Attach Self-attested Copy) Tick Whichever applicable EA <input type="checkbox"/> ESA <input type="checkbox"/>	License no : Issue date : Valid up to:
5	Nature of the Business of the Bidder	
6	Year of Commencement of Business	
7	Location of the Registered / Main Office	
8	(a) Name, (b) address ,(c) designation, (d) phone & cell number and (e) E mail ID of the CONTACT PERSON of the applicant/ bidder	
9	Name and address of your banker	
10	Copy of Income Tax Permanent Account Number (PAN Number) (Please Attach self-attested copy)	
11	Annual Turnover during the Last three financial years 2018-19, 2019-20 & 2020-21 (Profit and Loss Account and Balance sheet duly audited and certified by a Chartered Accountant and Income Tax Return Acknowledgement i.e., ITR for the last three years may be attached)	

12	Details of Manpower available with the bidder	Use separate sheet to furnish the list
13	Details of Equipment/ Tools/ Tackles available with bidder	Use separate sheet to furnish the list
14	Have you registered Under Employees Provident Fund (EPF) and Miscellaneous Provisions Act? If so, enclose copy of the registration certificate. Also provide a copy of the latest remittance, if any, made by your firm towards EPF.	
15	Have you registered 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	
16	GST Registration Number, (Self-attested copy to be attached)	
17	Details of similar 11kV/433V transformer installation works and 11kV HT panel erection executed or being executed along with address of the service receiver with contact number, value of the work. Enclose a copy of the work order along with performance certification.	Use separate sheet to furnish complete details in Appendix-B format.

- ✓ I / we hereby certify that all the statements made and information supplied in the enclosed forms and accompanying statements are true and correct.
- ✓ I / we have furnished all information and details necessary for deciding our eligibility to be qualified for taking part in the tendering process for the work. We have no further information to supply.
- ✓ I/We also authorize the Director, NIT Tiruchirappalli or his representative to approach individuals, firms and corporations to verify our competence and general reputation.

Authorized signatory of Bidder with Seal

Name.....

Designation.....

ESTATE MAINTENANCE DEPARTMENT/ELECTRICAL

INSTRUCTION TO TENDERERS

1. Average Annual financial turnover during the last **3 years**, ending 31st March of the previous financial year, should be at least **30% of the estimated cost**.
2. Experience of having successfully completed similar works during last 7 years ending last day of month previous to the one in which applications are invited should be either of the following: -
 - a. **Three similar completed works costing not less than the amount equal to 40% of the estimated cost. or**
 - b. **Two similar completed works costing not less than the amount equal to 50% of the estimated cost. or**
 - c. **One similar completed work costing not less than the amount equal to 80% of the estimated cost.**
3. Definition of “similar work”.
Similar work means execution of **11kV HT Panel and 11kV/433V Transformer installation work** in Govt. Sector / educational institution/Private/Public sector.

In addition to above, the criteria regarding satisfactory performance of works, personnel, establishment, plant, equipment etc. may be incorporated according to the requirement of the Project.
4. The bidder should possess a valid Electrical Contractor’s license grade **EA or higher grade license** issued by Tamilnadu Electrical Licensing board. If he possesses any other license issued by other State Governments, the same has to be endorsed by Tamilnadu Electrical Licensing Board.
5. The tender value includes cost of Electricals and civil materials and all other related material required for completion of the work.
6. Time is the essence of the contract. Being a time bound project, the contractor should make all efforts to complete the work in time.
7. Even though the overall completion period is indicated as **120 days**, the work shall be completed progressively and handed over as per agreed split up schedule if any.
8. The tenderers are advised to visit the site and get themselves acquainted with the site conditions before submitting the offer.
9. Tender quantity is only approximate and liable for variation without entitling the tenderer to any compensation, till the total value of contract vary by more than 30% (thirty percentage).

10. Quoted rate shall remain valid for a period of 30 days from the date of tender opening for the release of work order and will be firm throughout the contract period of **120 days** till completion of work, once awarded and no cost escalation is allowed on any account.
11. 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, labour colonies, establishment, services, roads, revenue expenses, overheads, profits & all other incidentals etc., complete. Rate quoted shall include all royalties, terminal taxes, Octroi duties, Central or Provincial Excise Tax, Sales Tax and any other taxes leviable under the State or Central Government rules. NITT will not entertain any claim whatever in this respect. **The applicable GST can be reimbursed by NITT along with the running / final bill on production of documentary evidence by the agency for having paid the GST to the authorities concerned.**
12. 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
13. **Liquidated damage :** Liquidated damage due to delay in completion of works shall be levied .In case of delay in completion of works beyond the contract period as stated in the work order penalty @ 0.5% of the total value of contacts /week and subject to maximum of 5%, of the total value of the contract will be levied.
14. The work shall be carried out as per drawings released then and there, Electricity act 2003 and its amendments BIS/CPWD specifications, standard code of practice and as per the instructions of Engineer-in-charge. The brief description of items of work is given in the bill of quantities. **TO BE DULY TYPED, SIGNED AND STAMPED AND UPLOADED AS PDF IN THE E-TENDER. [THE OVERALL TOTAL OF THE PRICEBID TO BE INCORPORATED IN THE PROVIDED PRICEBID EXCEL FILE BoQ xxxxx.xls AND UPLOADED]**
15. For any item of work not covered in Bill of Quantities, the rate will be arrived at based on the procedure given in CPWD manual.
16. Since the responsibility for the quality, workmanship and accuracy of any work being carried out under this contract lies with the contractor, the contractor should ensure that no work is done without the presence of contractor's representative at the work spot, whose strength depends on the value of contract awarded. The contract should arrange for surveying construction site at his own cost.
17. The decision of Engineer-in-charge shall be final and binding on the contractor regarding clarification of items in this tender schedule.
18. The works contract to be entered into with the successful tenderer will be governed by the CPWD Works Manual in force.
19. The contractor shall strictly adhere to various labour laws in force.
20. 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.

21. The tenderer has to deploy adequate labour of required categories such as Electrician, Wireman, Foreman, Supervisor, Technically experienced, etc. so as to execute the works simultaneously in all areas of work.
22. Expertise labour and work experienced persons only to be engaged for specialized items of work like laying of cables ,erection of transformer, DGs, HT & LT panels, cable terminations and cable joint kit etc.
23. The contractor shall follow norms of NITT security system for movement of men & materials within the campus.
24. All the works shall be executed as per the standard specifications as provided in CPWD / BIS/Electricity act 2003 and its amendment.
25. All the materials to be used in the work and the nature of work shall conform to the respective CPWD & BIS and National Building Organization, Standard Specifications forming part of "DELHI STANDARD SCHEDULE OF RATES" specifications and shall be got approved by the Engineer-in-charge before actual incorporation in the work.
26. 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.
27. All safety measures are to be followed during execution of work, particularly during blasting and only licensed blaster should be engaged for this purpose. Sufficient care shall be taken by the contractor during excavation to avoid damages to the buried pipe lines, cables and other infrastructure if any etc. Controlled blasting including muffling can be carried out with prior permission from safety department. Damages caused if any shall be rectified at contractor's risk and cost.
28. The contractor should extend fullest co-operation with the third party agencies engaged, if any by NITT, to adhere the Quality Control Procedures ensuring quality.
29. 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.
30. Tenderers are requested to furnish the duly filled in payment format attached as separate sheet along with a cancelled cheque leaf to accept Electronic fund transfer / R T G S transfer for any payment from NITT, Trichy.
31. No advance / mobilization advance will be given.
32. LD/penalty clause applicable as per CPWD works manual in force.
33. NITT reserves its right to reject a tender due to unsatisfactory past performance in The execution of a contract awarded against a different Tender.
34. The tenderer has to ensure payment of Minimum Wages as per Central rules and Minimum Wages as applicable under law from time to time.

35. Also the laborers shall be paid a minimum bonus which shall be 8.33% as per the payment of Bonus Act 1965 for the total wages paid.
36. The Contractor shall have to remit EPF & ESI contributions at the rates applicable under law to the authorities concerned for the total wages paid / abide by BOCW Act / Coverage in Group Insurance Scheme / All Risk Policy.
37. Rate for each item should be quoted in FIGURES and in WORDS. In case of any difference in the rates quoted in figures and in words, the lower of the two rates will be taken as the tendered rate. Unit rate quoted shall be the basis for arriving the total value of the tender. The total amount for every item shall be arrived by multiplying the unit rate with the quantity indicated for that item. In case of any arithmetic deviation is noticed in the total amount, the same will be corrected and evaluated by taking unit rate as basis and multiplying with the quantity indicated.
38. Tenders received after the due date and time of opening, will not be accepted.
39. The contractor's responsibility under this contract shall commence from the date of receipt of the LOI by the tenderer. The scheduled period of completion for this work is as mentioned in page No. 01, and the Contractor will have to plan his work accordingly.
40. Generally, the maintenance period for any work under NITT will be SIX (6)MONTHS from the date of completion
41. Any deviation to this tender terms & condition and schedules of this tender will cause total rejection of the offer submitted
42. Incomplete offers will become liable for rejection.
43. **Earnest Money Deposit:**

Earnest Money is to be paid by each tenderer to ensure that the tenderer does not refuse to execute the work after it is awarded to him. Shall also be furnished in the form of Pay Order or Demand Draft in favor of The Director, NIT Tiruchirappalli. EMD in any other form will not be accepted. Or Exemption certificate of MSME/NSIC will be accepted.

EMD of the successful contractor shall be refunded when the work is completed and unsuccessful contractor shall be refunded immediately after finalization of the contractor. EMD shall not carry any interest.

Without submission of Demand Drafts (original) / Exception Certificate Copy for EMD to the Tender Inviting Authority, Technical Bid will be rejected.

As per rule 170 of General Financial Rules (GFRs) 2017, Micro and small Enterprises (MSEs) and the firms registered with concerned Ministries/Departments are exempted from submission of Bid Security. Further, in lieu of Bid Security, Ministries/Departments may ask bidders to sign "Bid security Declaration" accepting that if they withdraw or modify their bids during period of validity etc., they will be suspended for the time specified in the tender documents. Similar provisions also exist in the Manuals for Procurement of works 2019 and Manual for Procurement of Consultancy & other services 2017. In view of above, it is reiterated that notwithstanding anything contained in Rule 171 of GFRs 2017 or any other rule or any provision contained in the Procurement Manuals no provisions regarding Bid Security should be kept in the Bid Documents in future and only provision for Bid Security Declaration should be kept in the Bid Documents.

51. Performance guarantee

- (1) The successful tenderer, hereafter referred to as the contractor, shall deposit an amount equal to **5%** of the tendered and accepted value of the work (without limit) as performance guarantee in the forms of: **Banker's Cheque/Fixed Deposit Receipt/A Scheduled Bank**
 - (2) The time allowed for submission of the performance guarantee by the contractor shall be Decided by the NIT approving authority for a period ranging from 4 to 15 days of issue of the letter of acceptance, depending upon the magnitude and/or urgency of the work. A sample copy of the letter of acceptance to the contractor for submission of the performance guarantee is given in Annexure-I.
- a) After opening the tender, the tenderer revokes his tender within the validity period or increases his earlier quoted rates.
 - b) The tenderer does not commence the work within the period as per LOI / Contract. In case the LOI / contract is silent in this regard then within 15 days after award of contract.

52. Security deposit

- (1) The security deposit shall be collected by deductions from the running bill of the contractors at the rate of 2.5% of the gross amount of the bill shall be deducted from each running bill as well as final bill of the contractor.
- (2) The security deposit shall be refunded to the contractor after successful completion of maintenance period of six months. The refund of security deposit and performance guarantee will not carry any interest.

53. National Institute of Technology will not be bound by any power of attorney granted by the tenderer or by changes in the composition of firm made subsequent to the execution of the contract. They may however recognize such power of attorney and changes after obtaining proper legal advice, the cost of which will be chargeable to the contract concerned.

54. If the tenderer deliberately gives wrong information in his tender or creates conditions favorable for the acceptance of his tender, NITT reserves the right to reject such tender at any stage.

The expenses for completing and stamping the agreement shall be paid by the contractor.

55. Tenderers shall not increase their quoted rate in case NITT, negotiates for reduction of rate. Such negotiation shall not amount to cancellation or withdrawal of the original offer and the rate originally quoted shall be binding on the tenderers for a period of three months from the date of opening of tenders.

56. Canvassing in any form in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection

57. All entries in the tender documents should be in one ink. Erasers and over writings are not permitted. All cancellations and insertions should be duly attested by the tenderer concerned.

58. TENDERERS should fill in all the required particulars in the blank spaces provided for this purpose in the tender documents and also sign each and every page of Tender Documents including the drawings attached there to, before submitting their tender.
59. Conditional and Un witnessed tenders, tender containing absurd rates and amounts tenders which are incomplete or otherwise considered defective and tenders not in accordance with the tender conditions laid down by the Accepting Officer are liable to be rejected.
60. Tenders not submitted on the prescribed form are liable to be rejected.
61. This tender notice shall be deemed to form an integral part of the contract to be entered into for this work.
62. The tenderers are advised to go through the condition stipulated in Tender document & code of conduct for 'Safety of Contract Labourer' in details. Any violation thereof will invite punitive action being taken against them. While quoting the rate all the above factors are to be taken into account.
63. **Agency registered with NSIC/MSME is exempted from payment of tender document cost & Earnest Money Deposit but required to attach the attested copy of registration indicating the company name, address, registration number, validity & product for which registered in the technical bid,. Any deviation in the certificate on product or validity or name of the company tendering, will attract rejection resulting non-opening of respective price bid.**
64. **Payment Terms :** Payments will be made in 45 days after satisfactory completion of service if the documents are in order .

65. Compensation for Delay:

If the contractor fails to maintain the required progress or to complete the work and clear the site on or before the contracted or extended period of completion, he shall, without prejudice to any other right or remedy of the NITT on account of such breach, pay as agreed compensation an amount calculated as stipulated below or such smaller amount as may be fixed by the NITT on the contract value of the work for every week that the progress remains below or that the work remains incomplete. This will also apply to items or group of items for which separate period of completion has been specified.

For this purpose the term 'Contract Value' shall be the value at contract rates of the work as ordered and the compensation for delay is by way of recovery at 1 percent of contract value per week of delay provided always that the total amount of compensation for delay to be paid under this condition shall not exceed 10% of the contract value or of the contract value of the item or group of items of work for which a separate period of completion is given.

The amount of compensation may be adjusted or set-off against any sum payable to the Contractor under this or any other contract with the NITT.

66. Arbitration :

Except where otherwise provided for in the contract all questions and disputes relating to the meaning of the specifications, designs, drawings and instructions hereinbefore mentioned and as to the quality of workmanship or materials used on the work or as to any other question, claim, right, matter or thing whatsoever in any way arising out of or relating to the contract, designs, drawings, specifications, estimates, instructions, orders or these conditions or otherwise concerning the work or failure to execute the same whether arising during the progress of the work or after the completion or abandonment thereof shall be referred to the

sole arbitration of the Director of NITT and if Director is unable or unwilling to act, to the sole arbitration of some other person appointed by the Director, willing to act as such arbitrator. The cases referred to arbitration shall be other than those for which the decision of the Estate Officer / Engineer-in-charge is expressed in the contract to be final and conclusive. There will be no objection if the arbitrator so appointed is an employee of NITT and that he had to deal with the matters to which the contract relates and that in the course of his duties as such he had expressed views on all or any of the matters in dispute or difference.

The arbitrator to whom the matter is originally referred being transferred or vacating his office or being unable to act for any reason, Director as aforesaid at the time of such transfer, vacation of office or inability to act, shall appoint another person to act as arbitrator in accordance with the terms of the contract. Such person shall be entitled to proceed with the reference from the stage at which it was left by his predecessor. Subject as aforesaid the provision of the Arbitration & Reconciliation Act, 1996 or any statutory modification or re-enactment thereof and the rules made there under and for the time being in force shall apply to the arbitration proceeding under this clause.

It is a term of the contract that the party involving arbitration shall specify the dispute or disputes to be referred to arbitration under this clause together with the amount or amounts claimed in respect of each such dispute.

The arbitrator(s) may from time to time with consent of the parties enlarge the time for making and publishing the award.

The work under the Contract shall, if reasonably possible, continue, during the arbitration proceedings and no payment due or payable, to the Contractor shall be withheld on account of such proceeding.

The Arbitrator shall be deemed to have entered on the reference on the date he issues notice to both the Parties fixing the date of first hearings. The arbitrator shall give a separate award in respect of each dispute or difference referred to him. The venue of arbitration shall be such place as may be fixed by the Arbitrator in his sole discretion. The award of the arbitrator shall be final, conclusive and binding on all parties to this contract.

In the event of disputes or differences arising between one public sector enterprise and a Govt. Department or between two public sector enterprises the above stipulations shall not apply or its amendments for arbitration shall be applicable.

- 67. Force Majeure clause:** If at any time during the continuance of this contract the performance in whole or in part by either party of any obligations under this contract shall be prevented or delayed by reason, of any war, hostilities, acts of the public enemy, civil commotion, sabotage, fires, explosions, epidemics, quarantine, restrictions or acts of GOD (hereinafter referred to as events) then provided notice of happening of any such events is given by either party to other within twenty one days from the date of occurrence thereof neither party shall reason of such events be entitled to terminate this contract nor shall either party have any such non-performance and delay is resumed as soon as practicable after such events has come to an end or ceased to exist. If the performance in whole or part of any obligation under this contract is prevented or delayed by reason or any such event claims for extension of time shall be granted for period considered reasonable by NITT subject to prompt notification by the tenderer to NITT of the particulars of the events and supply to the NITT if required of any supporting evidence. Any waiver of time in respect of partial installment shall not be deemed to be a waiver of time in respect of remaining deliveries.

The correspondence exchanged against the tender from both tenderer and NITT through email are considered as valid document legally though it is not signed. It is treated as valid confirmations made on behalf of the respective company and very much comes under the legal ambit of the business transaction and hence it is binding on both the parties to the business.

Any transaction pertaining to the tender from both the parties of business done round the clock irrespective of the office or business hours of the companies, are valid legally and binding on both the parties. This applies to the extent only in such cases where deadline time for transaction is not specifically declared by either or both the parties to the business.

In case Letter of Intent (LOI) is issued through email, the PC generated time and date of mail shall be construed as the official time and date of release of LOI. In as much as this date is within the last date of validity given by the tenderer the LOI is said to have been issued within the validity period and shall be binding on both the parties to the business.

Tenderers participating in the tender should declare in their technical bid that whether they have been black-listed / kept on hold for a specified period / given Business holiday for a specified period by any Public sector undertaking or Government departments. The reasons for such action with details and the current status of such hold shall be clearly furnished to NITT. If no such details are mentioned in the offer then it will be construed that the subject tenderer is not under any such hold. But at a later date if it comes to the notice of NITT about any such hold under enforcement on the subject tenderer, NITT will have every right to reject the offer of such vendors at any point of time and also under any stage of the finalization of the subject tender irrespective of the status of the subject tenderer in that tender. Such tenderers will not be permitted to participate in the further tender proceedings and will be communicated suitably. They will not be also considered for any ongoing tenders even if participated till the hold is officially lifted and confirmed in writing.

68. Undertaking regarding EPF provision : "I.....
.....Son of.....

.....Resident of..... hereby give an undertaking that

* I/We have employed only persons in our establishment and hence the EPF and Miscellaneous provisions Act, 1952 is not applicable to my /our establishment.

* I/ We have registered as per the EPF and Miscellaneous provisions Act, 1952 and our registration no is We undertake to keep it valid during the currency of contract.

In case at any stage, it is found that the information given by me is false / incorrect, NIT shall have the absolute right to take any action as deemed fit/without any prior intimation to me".

* strike out whichever is not applicable.

GENERAL CONDITIONS OF CONTRACT

1. No night work will be permitted without the written permission of the Engineer – in – charge.
2. Items of work other than those mentioned in the Bill of Quantities (Tender Schedule) attached hereto will be carried out at the rates to be fixed by this organization as per relevant clauses of CPWD Works Manual.
3. Permission for erection of temporary work sheds etc., at site will have to be obtained from NITT in writing in advance.
4. The works contract to be entered into with the successful tenderer will be governed by the CPWD works Manual 2012 or the latest in force.
5. The successful tenderer / Contractor shall observe all safety regulations and take necessary safety precaution as called for and Safety Precautions enclosed herewith.
6. 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.
7. Some changes are likely in the quantities furnished as well as in the layout, design and specifications of the work. The rate quoted shall be deemed to be inclusive of all such contingencies.
8. All the materials to be used in the work and nature of work shall conform to respective CPWD, BIS and National Buildings Organization Standard Specifications and shall be got approved by the Engineer – in – charge before actual incorporation in the work.
9. 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
10. Engineer in charge / Civil or his duly authorized representative shall have all reasonable times access to Contractor's premises of work and shall have the power at all the reasonable times to inspect and test any portion of the work or examine the materials and workmanship of the structures during their manufacture and test. The contractor shall give due notice in writing to the Inspecting Engineer of NITT when the materials supplied to be incorporated in the work are ready for Inspection and test. No material shall be incorporated in the work until the inspecting Engineer certified in writing that such materials have been inspected and approved by him or else the rejected material should be removed from site immediately.
11. The Contractor shall closely scrutinize all the drawings issued in connection with the work by this organization and bring to the notice of the Engineer-in-charge if any discrepancies, omissions in the drawings before undertaking the actual work pertaining thereto.
12. The contractor should submit in advance every fortnight a detailed programme of work to be undertaken from time to time strictly in conformities with the "Time and Progress Chart" covering the entire constructed work and reschedule them wherever necessary during the progress of the work so as to achieve the target set.
13. 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.

GENERAL SAFETY PRECAUTIONS TO BE FOLLOWED AT WORK SITE DURING EXECUTION

The following safety measures should be strictly adhered to, during execution of works at sites.

1. Providing the working platform with toe board and handrail for continuous working at heights.
2. Providing safety belt and life line at all times for men working at heights.
3. Providing dust or fume respirator in places where dust and fume concentration exists.
4. Providing goggles and welding screens.
5. Providing acid and alkali proof rubber gloves for handling acid and alkali and chemical which are corrosive.
6. Providing rubber gloves for working on electrical works.
7. Ensuring proper lashing of the components while being transported in vehicles.
8. The vehicles must have side supports or have body to support the materials conveyed.
9. The materials should not be allowed to extend or overflow the sides of the vehicles.
10. Materials should not be allowed to overhang from the rear edge of the body of the vehicle.
11. Driver of the vehicle must possess license.
12. Vehicle must not be overloaded prescribed limits.
13. Red flags and lights for parts projecting from the body of vehicle must be provided.
14. The speed restrictions within the Institute must be strictly adhered to.
15. The gas cylinders must be always handled on trolleys or kept tied down not in use. They should never be rolled as Roller for conveying.
16. Cylinders should not be used without regulators.
17. All excavations must be barricaded and red lamps must be provided.
18. All electrical connections must be properly earthed.
19. Providing helmet, safety belt, etc., for high level work and sufficient number of Industrial Safety nets at appropriate level to safeguard the persons working at high level particularly in roofing etc.,
20. All personal protective equipment conform with standard specification and Contractor including their sub-contractors, agents and labour engaged on the work are required to scrupulously adhere to the safety regulations, safety precautions and measurers. Any violation thereof will invite punitive action being taken against them. Also contractors with frequent violations of safety regulations will not be entrusted with further work in this organization.

SAFETY PRECAUTIONS TO BE OBSERVED WHILE TRANSPORTING MATERIALS

I. VEHICLE

1. Vehicles carrying material should have proper registration documents and must be produced on demand by our Security Staff.
2. The light on right side, i.e., over the driver's cabin shall be in working condition.
3. Both the head lights as well as park lamps must be in working conditions.

II. MOVEMENT OF VEHICLE

1. The vehicle should not travel at more than 20 km.ph in our premises.
2. The Driver of the vehicle must possess heavy duty license and produce on demand by the Security Staff.
3. Vehicles carrying inflammable liquids in the tank containers should have grounding chain or the tank should be coated with insulating material also to avoid Static Electricity.
4. In road junctions, speed breakers and railway crossing, the speed should be lowered and vehicle should proceed cautiously.
5. The driving should 'KEEP TO THE LEFT' at all places.
6. The vehicle should not be parked in road which could obstruct the vehicular traffic.
7. No person other than driver should be allowed to sit or stand on the prime mover or trailer.
8. The vehicle should pass only through the approved routes. Short cuts should be forbidden.
9. There must be a safe distance behind another moving truck.
10. The driver should avoid making quick starts, jerky stops or quick turns at excessive speed.

TERMS AND CONDITIONS REGARDING COMPLIANCE WITH VARIOUS LABOUR LAWS BY THE CONTRACTORS FOR NITT

1. The Contractor shall not employ in connection with the work any person who has not completed 18 years of age.
2. The Contractor shall in respect of labour employed by him either directly or through subcontractors, comply with or cause to be complied with the following statutory provisions and rules and in regard to all matters provided therein.
 - a) The Contract Labour (Regulation & Abolition) Act 1970
 - b) The Minimum Wages Act 1948 and related Central Rules.
 - c) The Payment of Wages Act 1936 and related Central Rules.
 - d) The Employee's Provident Fund & Miscellaneous Provisions Act 1952.
 - e) The Employees State Insurance Act 1948.
 - f) The Workmen Compensation Act 1923.
 - g) The Industrial Disputes Act 1947.
 - h) The payment of bonus act 1965And any other law or modifications to the above or to the Rules made thereunder from time to time.
3. The Contractor employing 20 or more workmen is required to obtain license from the authorities (The Deputy Chief Inspector of Factories / Assistant Commissioner of Labour as the case may be). The license shall be amended and / or renewed wherever, there is an increase in the workmen employed by him or in the event of contract being extended or renewed. The Contractor shall inform the license number to the NITT Management before taking up the work.
4. The Contractor (Licensed or unlicensed) shall promptly furnish every information and document required by NITT authorities for the purpose of fulfilling their obligations as Principal Employer and shall render all necessary assistance for the same.

WAGES

5. The Contractor shall pay wages to the workmen employed by him at the rate which shall not be less than the minimum wages applicable under Law from time to time.
6. The Contractor shall fix wage periods in respect of which wages shall be payable. No wage period shall exceed one month.
7. The Contractor shall ensure payment of wages to the contract labour employed by him within three days from the end of wage period in case the wage period is one week or a fortnight and in all other cases before 7th day of the following month.
8. All Payment of wages shall be made on working days at the work site and during the working time and on date notified in advance. In case the work is completed before the expiry of the wage period final payment shall be made within 48 hours of the last working day.

9. Where the employment of any worker is terminated by or on behalf of the Contractor, the wages earned by him shall be paid before the expiry of the second working day from the day on which his employment is terminated.
10. Wages due to every worker shall be paid to him direct or to the person authorized by him in this behalf. All wages shall be paid in current coin or currency in both.

REGISTERS & RECORDS: -

11. The Contractor shall maintain all registers and records in the proper manner and as required by the regulations of the various authorities concerned and indemnify the Employer from the consequences due to any inaccurate or faulty documentation on the part of the Contractor.

POST TECHNICAL AUDIT OF WORK AND BILLS:-

12. NITT reserves the right to carry out the post-payment Audit and technical examination of the work and final bill including all supporting vouchers, abstracts etc., and enforce recovery of any sum becoming due as a result thereof in the manner provided in the presiding sub-paragraphs. Such recovery shall be enforced any time even after passing the final bill.

SUBMISSION OF BILLS BY CONTRACTOR: -

13. a) The contractor has to submit the bill in their Invoice form with GST No, Invoice Serial No and other details as per Annexure-2 in the Tender document.

b) The Contractor at the end of each month shall submit a bill in triplicate, if required, detailing the various items of work done during the month supported by the requisitions issued from time to time. The Contractor shall, once in every month, submit to the EO / EMD separately details of his claims for the work done by him up to and including the previous month which are not covered by his contract agreement in any of the following respects:
 - a) Deviation from the items provided in the contract documents.
 - b) Extra items / new items of work.
 - c) Items in-respect of which rates have not been settled. He should in addition furnish a clear certificate to the effect that the claims submitted by him as aforesaid cover all his claims and that no further claims shall be raised by him in respect of the work done upto and including the period under report.

PAYMENT OF BILLS:-

14. All payments to be made to the Contractor, under this contract shall be by NEFT or RTGS within a reasonable time, after the certification of bills by the execution department.

RECOVERY FROM CONTRACTOR:-

15. Whenever under the contract, any sum of money, shall be recoverable from or payable by the Contractors, the same may be deducted from or any sum then due or which at any time thereafter may become due to Contractor under the contract or under any other contract with NITT or from his Security Deposit or he shall pay the claim on demand.

CANCELLATION OF CONTRACT FOR CORRUPT ACTS:-

16. NITT, whose decision shall be final and conclusive, shall without prejudice to any other right or remedy which shall have accrued shall accrue thereafter to NITT cancel the contract in any of the following cases and the Contractor shall be liable to make payment to NITT for any loss or damage resulting from any such cancellation to the same extent as provided in the case of cancellation for default,

If the Contractor shall:-

- a) Offer or give or agree to give to any person in NITT service any gift or consideration of any kind, as an inducement or reward for doing or for bearing to do or for having done or for borne to do any act, in relation to the obtaining or execution of this or any other contract for NITT service,

OR

- b) Enter in to a contract with NITT in connection with which commission has been paid or agreed to be paid by him or with his knowledge, unless the particulars of any such commission and the terms of payment thereof have previously been disclosed in writing to NITT.

OR

- c) Obtain a contract with NITT as a result of ring tendering or by non-bonafide methods of competitive tendering, without first disclosing the fact in writing to NITT.

CANCELLATION OF CONTRACT FOR INSOLVENCY ASSIGNMENT OF TRANSFER OR SUB-LETTING OF CONTRACT:-

17. NITT, without prejudice to any other right or remedy which shall have accrued or shall accrue thereafter to NITT shall cancel the contract in any of the following cases:

If the Contractor,

- (a) Being an individual or if a firm any partner thereof shall at any time be adjudged bankrupt or have a receiving order for administration of his estate, made against him or shall take any proceedings for liquidation or composition under any bankruptcy Act or assignment of his effects of composition or arrangement for the benefit of his creditors or purport to do so, or if any application made under any

Bankruptcy Act for the time being in force for the sequestration of his estate or if a trust deed be granted by him on behalf of his creditors

OR

- (b) Being a Company, shall pass a resolution or the Court shall make an order for the liquidation of its affairs, or a receiver or Manager on-behalf of the debenture holders shall be appointed or circumstances shall arise which entitle the Court or debenture holders to appoint a receiver or Manager,

OR

- (c) Assigns, Transfers, Sub-lets or attempts to assign, transfer or sub-let any portion of the work without the prior written approval of the NITT.
- (d) Whenever NITT exercise the authority to cancel the contract under this conditions, NITT may have the work done by any means at the Contractor's risks and expenses provided always that in the event of the cost of the work so done (as certified by Engineer in charge which is final and conclusive) being less than the contract cost, the advantage shall accrue to the NITT and if the cost exceeds the money due to Contractor under the contract, the Contractor shall either pay the excess amount ordered by Estate Maintenance Dept. or the same shall be recovered from the Contractor by other means.
- (e) In case the NITT carries-out the work under the provisions of this condition the cost to be taken into account in determining the excess cost to be charged to the Contractor under this condition shall consist of the cost of the materials, hire charges of tools and plants and/or labour provided by the NITT with an addition of such percentage to cover superintendence and establishment charges as may be decided by Estate Maintenance Dept., whose decision shall be final and conclusive.

CANCELLATION OF CONTRACT IN PART OF FULL FOR CONTRACATOR'S DEFAULT:

18. If the Contractor:

- (a) makes default in carrying out the work as directed and continues in that state after a reasonable notice from Engineer in charge or his authorised representative
- (b) fails to comply with any of the Terms and Conditions of the contract or after reasonable notice in writing with orders properly issued thereunder
- (c) NITT, may without prejudice to any other right or remedy which shall have accrued or shall accrue thereafter to NITT, CANCEL the contract as whole or in part thereof or only such work order or items of work in default from the contract. Whenever NITT exercise the authority to cancel the contract as whole or part under this condition NITT may complete the work at the contractor's risk and cost (as certified by Engineer in charge, which is final and conclusive) being less than the contract cost, the advantage shall accrue to the NITT. If the cost exceeds the moneys due to the Contractor under this contract the Contractor shall either pay the excess amount ordered by Estate Maintenance Dept. or the same shall be recovered from the Contractor by other means. In case the NITT carries out the work or any part thereof under the provisions of the conditions the cost to be taken into account in determining the excess cost to be charged to the Contractor under this condition shall consist of the cost of the materials, hire charges of tools and plant and/or labour provided by the NITT with an addition of such percentage to cover the superintendence and establishment charges as may be decided by the Engineer in charge, whose decision shall be final and conclusive.

TERMINATION OF CONTRACT ON DEATH OF CONTRACTOR. :-

19. Without prejudice to any of the rights or remedies under this contract, if the Contractor dies, or if the firm is dissolved or the company is liquidated, NITT shall have the option of terminating the contract without compensation to the Contractor.

SPECIAL POWER TO TERMINATION:-

20. If at any time after the award of contract, NITT shall for any reason whatsoever not require whole or any part of the work to be carried out the Engineer in charge shall give notice in writing of the fact to the Contractor who shall have no claim to any payment of compensation or otherwise howsoever on account of any profit or advantage which he might have derived from the execution of the work in full but which he did not derive in consequence of the fore-closing of the work.

LABOUR:-

21. The Contractor shall remain liable for the payment of all wages or other moneys to his work-people or employees under the payment of Wages Act 1936, Employees Liability Act. 1938, Workmen's Compensation Act 1923 or any other Act or enactment, relating thereto and rules framed, thereunder from time to time.

PRECAUTIONS AGAINST RISK:-

22. The Contractor shall be responsible for providing at his own expense for all precautions to prevent loss or damage from any and all risks and to minimize the amount of any such loss or damage and for the necessary steps to be taken for the said purpose.

23. **Rate for additional item / substituted item:**

This will be as per the rate analysis based on the market rate for material and labour prevailing at the time of execution at place of work as ascertained by Engineer in charge raised to the overall tender percentage at which the work was awarded to cover overheads / establishment/ profit.

24. **Corrigendum / Amendment:**

It is tenderer's responsibility to watch for any corrigendum or amendment till the opening of a particular tender that will be posted only at CPPP & NITT web site.

NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI – 15

Web : www.nitt.edu

Phone : 0431 –250 3840

ESTATE MAINTENANCE DEPARTMENT/ELECTRICAL



TENDER DOCUMENT (PRICE BID)

TO BE DULY TYPED, SIGNED AND STAMPED AND UPLOADED AS PDF IN THE E-TENDER.
[THE OVERALL TOTAL OF THE PRICEBID TO BE INCORPORATED IN THE PROVIDED
PRICEBID EXCEL FILE BoQ_XXXX.xls AND UPLOADED

Name of work	:	Providing power supply to newly proposed ductable Air Conditioners for smart class room at Orion building.
Value of work	:	Rs.24,98,302/- (GST extra as applicable)
Tender Enquiry No	:	01/21-22
Period of Contract	:	120 days.
Tender Enquiry No	:	NITT/EMD/EE/AE(E)/tender notice/Enq.No:01/21-22

SCHEDULE 'A'

LIST OF WORKS AND PRICES

NAME OF WORK:

DETAILS & QUANTITIES of each item of work shown in the BILL OF QUANTITIES are only approximate. They are given as a guide for the purpose of tendering only and are liable to variation and alteration of the Competent Authority. The work under each item as executed shall be measured and priced at the corresponding rate quoted by the contractor in the BILL OF QUANTITIES

Sl.No.	Description of work / supplied	Total amount of work (in figures and words) Rs. Ps.	Period of contract
1.	Providing power supply to newly proposed ductable Air Conditioners for smart class room at Orion building.	Rs.24,98,302/- (Rupees Twenty four Lakhs Ninety Eight Thousand Three Hundred and Two only)	120 Days

BILL OF QUANTITIES

Sl. No.	Appx. Qty.	Description of work	TNBP No.	Rate (Both in Unit fig & Words)	Amount Rs. Ps.
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AS PER SEPARATE SHEETS ATTACHED CONTAINING 10 PAGES

FROM SERIAL No. 30 to 39

Contract Agreement No.....

TENDER

To

The Director,
National Institute of Technology
TIRUCHIRAPPALLI -620 015.

I / We hereby offer to carry out the work of

I / We hereby carefully perused the following documents connected with the above noted work and agree to abide by the same.

- 1.Specifications (General & Particular)
- 2.Drawings
- 3.Schedule 'A',
- 4.Bill of Quantities
- 5.CPWD works Manual in force.

I / We forward herewith the sum of Rs.....as Earnest Money, which shall be refunded should this tender be rejected. I / We further agree to deposit such sum which along with the sum of Rs.....mentioned above shall make up 50% of the fully Security Deposit for this work as provided for under conditions of the NATIONAL INSTITUTE OF TECHNOLOGY General Conditions of Contract.

I / We further agree to execute all the work referred to in the said documents upon the terms & conditions contained or referred therein and as detailed in Schedule 'A' and Bill of Quantities thereto and to carry out such deviations as may be ordered, vide conditions of the NITT upto a maximum of 30% of the tendered amount of Rs.....

I / We further agree to refer all disputes, as required to the sole arbitration of an Officer, to be appointed by the Director, NITT., in his sole discretion whose decision shall be final and binding.

WITNESS

Signature of the Contractor

Date :

1.

2.

Name of the Company:

Address:

Item Rate BoQ

Tender Inviting Authority: The Director, NIT Tiruchirappalli

Name of Work: Providing power supply to newly proposed ductable Air Conditioners for smart class room at Orion building

Contract No: NITT/EMD/EE/AE(E)/Tender Notice/Enq.No: 01/21-22 Dt: 31.01.2022

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	TOTAL AMOUNT	TOTAL AMOUNT In Words
1	MCCB, MCB & DB'S					
1.1	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
1.1.1	Triple pole and neutral	24.00	Each			
1.2	Supplying and fixing of following rating,Three/four pole,415 volts,Isolator/MCB in the existing MCB/DB complete with connections,testing and commissioning erc.as required.					

CONTRACTOR

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ACCEPTINGOFFICER

Sl. No.	Item Description	Quantity	Units	BASIC RATE PER UNIT	TOTAL AMOUNT	TOTAL AMOUNT In Words
1.2.1	Four Pole 40-63A MCB	12.00	Each			
2	EARTHING					
2.1	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	4.00	Set			
2.2	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	2.00	Set			
2.3	Providing and fixing 25 mm X 5 mm copper strip in 40 mm dia G.I. pipe from earth electrode including connection with brass nut, bolt, spring, washer excavation and re-filling etc. as required.	30.00	Metre			
2.4	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	40.00	Metre			
2.5	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	10.00	Metre			
2.6	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	20.00	Metre			
3	MV CABLE LAYING					
3.1	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required.					

Sl. No.	Item Description	Quantity	Units	BASIC RATE PER UNIT	TOTAL AMOUNT	TOTAL AMOUNT In Words
3.1.1	Upto 35 sq. mm (clamped with 1mm thick saddle)	48.00	Metre			
3.1.2	Above 185 sq. mm and upto 400 sq. mm (clamped with 40x3mm MS flat clamp)	20.00	Metre			
3.2	Supplying and making cable route marker with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) of size 60 cm X 60 cm at the bottom and 50 cm X 50 cm at the top with a thickness of 10cm including inscription duly engraved as required.	20.00	each			
4	HT CABLE LAYING					
4.1	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 11 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.					
4.1.1	Above 120 sq. mm and upto 400 sq. mm	10.00	Metre			
5	MV CABLE JOINTING & END TERMINATION					
5.1	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.					
5.1.1	3Y X 240 sq. mm (62mm)	4.00	each			
5.1.2	3Y X 300 sq. mm (70mm)	4.00	each			
5.1.3	4 X 16 sq. mm (28mm)	24.00	each			
5.1.4	4 X 25 sq. mm (28mm)	24.00	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
6	HV CABLE JOINTING & END TERMINATION					
6.1	Supplying and making outdoor cable end termination with heat shrinkable jointing kit complete with all accessories including lugs suitable for following size of 3 core, XLPE aluminium conductor cable of 11 KV grade as required :					
6.1.1	240 sq. mm	1	each			
6.1.2	Supply and fixing of 3 CORE 11KV, 240 sq.mm Terminal protector right angled cold applied boots for Compact RMU units etc. as required.	1	each			
7	MISC. CIVIL ITEMS					
7.1	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc. in the existing trench, complete as required.					
7.1.1	63 mm dia (OD-63 mm & ID-51 mm nominal)	550.00	Metre			
7.1.2	120 mm dia (OD-120 mm & ID-103 mm nominal)	10.00	Metre			
7.2	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc. direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc., complete as required.					

Sl. No.	Item Description	Quantity	Units	BASIC RATE PER UNIT In Figures To be entered by the Bidder	TOTAL AMOUNT	TOTAL AMOUNT In Words
7.2.1	63 mm dia (OD-63 mm & ID-51 mm nominal)	450.00	Metre			
7.2.2	120 mm dia (OD-120 mm & ID-103 mm nominal)	360.00	Metre			
7.3	Foundation Works					
7.3.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources: 10 graded stone aggregate 40 mm nominal size derived from natural sources).	10.50	cum			
7.3.2	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. for all kinds of soil	11.94	cum			
7.4	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:					
7.4.1	Cement mortar 1:4 (1 cement : 4 coarse sand)	4.50	cum			
7.5	FINISHING					
7.5.1	12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand)	19.00	Sqm			

Sl. No.	Item Description	Quantity	Units	BASIC RATE PER UNIT	TOTAL AMOUNT	TOTAL AMOUNT In Words
7.6	CHAIN LINK FENCING ARRANGEMNT FOR YARD.					
7.6.1	<p>"Providing GI wire mesh chain link fencing around the outdoor Sub-Station Building complete with adequate M.S.Channel of size 75 mm X 40 mm LC and shall have ironbracing of the angle iron frames. The upper parts shall be bend to the required degree and shall have four lines GI barbed wires. The GI chain link fencing shall be such that no stray dog etc. will be able to enter the switchyard. Frame work of gates of the switchyard shall be made up of minimum 2" dia (n.b.) M.S. pipe of 'B' class and the GI chain link fencing shall be used to enclose the pipe frame work with angle iron of iron bracing. The gates shall have a locking arrangement with providing 6 lever type "" Godrej"" make lock. The minimum height of fencing is 2.0 mtrs. above ground level. The distance between M.S.Channel support is minimum 2.0 meter and one angle iron (35 x 35 x 5 mm) should be provided on top of chain link fencing around the switchyard and one angle iron (35 x 35 x 5 mm) just touching the ground level / wall around the switchyard. The complete chain link fencing work shall be painted with two coats of primer and two coats of alluminium paints. Brick / bolder massonry work l/c plaster shall be provided of size 300 x 400 mm around the switchyard except door entry. After erection of frame, angle iron and jali, wire mesh are painted with red paint and white aluminium paint. "</p> <p>Measurement to be taken only for the wiremesh area and shall be deemed to be included the Channel which is grouted in ground and Gate of size 2.5 mtr wide.Fencing shall be as per drawing.(The measurement shall be done on running meter basis).</p>	14.00	Meter			

Sl. No.	Item Description	Quantity	Units	BASIC RATE PER UNIT	TOTAL AMOUNT	TOTAL AMOUNT In Words
8	TRANSFORMER WORKS					
8.1	Testing and Commisining					
8.1.1	Supplying and filling of Transformer oils as per the IEC 60296	300	Ltr			
8.2	Erection of Transformer/Genset/Control panels.					
8.2.1	<p>Transportation, Installation, testing and commissioning of 250kVA transformer with required plinth area construction, complete servicing of 250kVA transformer with following testing of insulation resistance, winding resistance, ratio test, vector group test & gasket replacement and submission of reports to the engineer in charge also replacement of faulty equipment etc. as required.</p> <p>Note: 1. Transformer will be supplied by EMC, 2. Crane arrangement & transportation will be contractor scope, 3. Plinth area of transformer to be constructed with size of 1500x1000x700mm with necessary excavation, sand filling, PCC filling, brickworks & plastering works. Also required channel arrangement for locking of transformer wheel.</p>	1	each			
8.3	HT RING MAIN UNIT OUT DOOR					
8.3.1	<p>Augmentation of the existing 11KV Outdoor Ring Main System by extending / adding 1No. of SITC of 11kV, 3 phase, 630A, 20kA/3 sec, 50Hz, totally SF6 Gas Insulated OUTDOOR Compact switch gear with motorized Vacuum Circuit Breaker: V+ (Extendable type) complete with overload and earth fault protection by self-powered relays. The panel should be with suitable ratio ring core type protection CTs etc., and as per the technical specifications as specified in tender documents. (The RMU shall be the same make of Existing RMU) (Note: The scope of work includes providing necessary Foundation as prescribed by the Manufacturer).</p>	1	each			

Sl. No.	Item Description	Quantity	Units	BASIC RATE PER UNIT	TOTAL AMOUNT	TOTAL AMOUNT In Words
9	FABRICATION OF CUBICLE BOARDS/LADDER/SOLAR STRUCTURE					
9.1	<p>Fabrication, supply of out-door feeder pillar type made out of not less than 2.2 mm thick MS sheet and angle iron base frame with hinged door on both side and gowden locks welded on the door i/c painting connection inter-connection etc. as per CPWD specifications (Part IV & V) of following size and providing and fixing following switch gears with cable entry boxes for both incoming and outgoing cables termination, glands, interconnection, connections powder coated painting, earthings , including of all erection, Labelling of incoming and outgoing feeders & transport charges etc., as required. The panel drawing should be submitted before execution of the works. (Make: L&T/Legrand/Schneider/Siemens).</p> <p>"Specification for Microprocessor based MCCB Conforms to IS/IEC 60947-2 & IEC 60947-2, Ics=100% of Icu,Suitable for Isolation,Adjustable Overload from 0.4-1.0 X In,Adjustable short circuit from 1.5-8XIr, Inbuilt Instantaneous protection,Provisional of thermal memory : ON/OFF,Variable trip class at 7.2 Ir & 6 Ir, Front LED indication of Over load (Ready, Over load pre-alarm & Overload),Provision of Manual, Rotary or motorized versions,Wide range of snap fit internal and external accessories "</p> <p>"Specification for Thermal Magnetic MCCB Conforms to IS/IEC 60947-2 & IEC 60947-2, Ics=100% of Icu,Suitable for Isolation,Adjustable Overload from 0.8-1.0 X In,Adjustable short circuit from 6-10 XIn, Provision of Manual, Rotary or motorized versions,Wide range of snap fit internal and external accessories</p>					

Sl. No.	Item Description	Quantity	Units	BASIC RATE PER UNIT	TOTAL AMOUNT	TOTAL AMOUNT In Words
9.1.1	Supply, Installation, Testing and Commissioning of Essential panel with size 1900mm x 1500 mm x 500mm deep (Nominal) a) 4 strip copper bus bars of suitable capacity, b) Incomer 400A,4P,50kA MCCB with thermal magnetic release and extended rotary handle - 1No, c) 63A,3P & N, 36kA MCCB with thermal magnetic release and extended rotary handle - 6Nos, d) Dummy Compartment suitable for 63A MCCB-7Nos (Cu. Bus provision must be provided upto switch position), e) Multifunction meter class 0.5 with RS 485 port -1No, f) CT'S-3Nos, g) 2A Control MCB -3Nos, h) R,Y,B indicators-3Nos i) Three phase indicator lamps controlled by single Push button arrangement using contactor-1No with necessary wiring etc. as required.	2.00	Each			
9.2	Panel Boards shifting/dismantling					
9.2.1	Transportation, Installation, testing and commissioning of LT panel with required plinth for panel erection, servicing and necessary crane arrangement & channel provision etc. as required.	1.00	Each			
10	Supplying of Cables.					
10.1	Supplying of following size ISI marked PVC insulated and PVC sheathed aluminium grade with armoured as required.(Make:Finolex,Gloster,Polycab and Havells with 18 months warranty from the date of supply)					
10.1.1	3½ X 240 Sq mm	40.00	Metre			
10.1.2	3½ X 300 Sq mm	360.00	Metre			
10.1.3	4x16 sq mm	240.00	Metre			
10.1.4	4x25 sq mm	1100.00	Metre			
10.2	Supplying and fixing of following size ISI marked PVC insulated and PVC unsheathed copper single core and multi-core sheathed bright annealed bare copper flexible cables for voltage grade 1.1 KV grade as required.(Make:Finolex,Gloster,Havells and Polycab)					

Sl. No.	Item Description	Quantity	Units	BASIC RATE PER UNIT	TOTAL AMOUNT	TOTAL AMOUNT In Words
10.2.1	4x6.0sqmm	120.00	Metre			
10.3	Supplying of following size ISI marked PVC insulated and PVC sheathed aluminium conductor H.T cable of 11 KV grade as required. (Make:Havells,Finolex,Gloster and Polycab)					
10.3.1	3X 240 Sq mm	20.00	Metre			
11	Adaptor box					
11.1	Cable adaptor box (MARKET ITEM)					
11.1.1	Suppling and fixing of M.S cable looping box of size not less than 300 x 250 x 150mm deep along with 4 way terminal block and 1 Nos 6A SP MCB etc., as required.	12.00	Each			
11.1.2	Supplying and fixing of M.S Box with size of 450*250*150mm with powder coated paint and din rail provision of 4Pole MCB 3 Nos (SS bolt type connector) etc. as required suitable for out door.	12.00	Each			
Total in Figures						

Note: GST Extra as applicable

Amount in words: (Rupees.....)

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 contact 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 refloat. 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 3% to 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

**Help Page to Web load the documents in E-Tender Portal for Cover Wise
Uploading the Tender Documents AFTER LOGGING IN TO THE BIDDER'S
LOGIN COVER WISE TO BE UPLOADED DOCUMENTS**

Cover Details, No. Of Covers - 3				
Cover No	Cover	Document Type	Description	Remarks
1	Fee	.pdf	EMD (Earnest Money Deposit)	Scan copy of Demand Drafts (original)/ Exception Certificate
2	Pre-Qual/ Technical	.pdf	Declaration by the firm that it has never been black-listed	Self-declaration by the firm duly signed & stamped
		.pdf	Details to be furnished by the Contractor. (Tender Document Pg. No.8-7)	Duly filled and signed and stamped Checklist for Bid / Tender Document available in the page no.7-8
		.pdf	Details of electrical license issued by the respective license board	Self-attested copy of electrical license
		.pdf	Details of similar works from last 7 years work order/completion certificate	Self-attested copy of similar works from last 7 years work order /completion certificate
		.pdf	Other Important Documents. (Combined Copy)	Details to be furnished by the Contractor Form(Tender Document Pg. No.7-8) Relevant certificates for items 1-17 are to be enclosed
		.pdf	Bid Security Form (Annexure I)	The Form has to be submitted in the Letter Head of the Firm/Company/Enterprises along with appropriate Sign & Seal)
		.pdf	Technical Bid	Tender Document & Tender Related Documents
3	Finance / Price Bid	.xls	Price Bid (BoQ)	Duly filled in Price Bid Excel file
		.pdf	Scanned copy of item wise breakup of price bid.	Item wise breakup of price bid in PDF (duly signed)

OID Bid (Other Important Documents to be uploaded)

Other Important Documents				
S.No	Category	Sub Category	Format/ File	Remarks
1	Certificate Details	Permanent Account Number	.pdf	Scanned Copy of Original PAN CARD of the firm.
2	Certificate Details	Registration Certificate	.pdf	Registration Certificate Details (Any firm registration Copy)
3	Certificate Details	Bidders Address Format	.pdf	Bidder Complete Profile (To be provided by the bidder in their business letter head)
4	Certificate Details	Provident Fund Certificate	.pdf	Certificate copy of Employees' Provident Fund Organization
5	Certificate Details	Employees State Insurance Certificate	.pdf	Employees State Insurance Certificate
6	Certificate Details	GST Registration Certificate	.pdf	GSTIN Registration certificate
7	Certificate Details	IT returns & Audit Balance sheet for last three years	.pdf	Scanned Copy of last three years IT returns & audit balance sheet