



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.18/19-20

Dated: 22.11.2019

Online tenders are hereby invited in **three cover system** from Indian Nationals for **Providing power supply to newly purchased equipment at production process laboratory in Mechanical Dept.**

Bidders can download complete set of bidding documents from e- procurement Platform <http://eprocure.gov.in/eprocure/app> from **22.11.2019** 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: 05.12.2019(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

Sl.No	Description	DATE
1	Published Date	22/11/2019 18:30
2	Bid Document Download Start Date	22/11/2019 18:30
3	Clarification Start Date	22/11/2019 18:30
4	Clarification End Date	05/12/2019 11.30
5	Bid Submission Start Date	22/11/2019 18:30
6	Bid Submission End Date	05/12/2019 15:00
7	Bid Opening Date(Technical)	06/12/2019 15:30
8	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.

CONTRACTOR

1

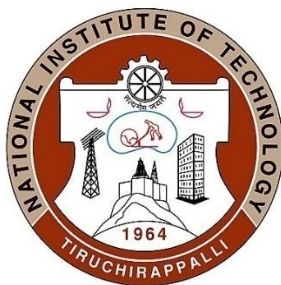
ACCEPTING OFFICER

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 purchased equipment at production process laboratory in Mechanical Dept.
Tender Notification No	:	NITT/EMD/EE/AE(E)/Tender Notice/Enq.No: 18/19-20
Date	:	22/11/2019 18:00
Name of the Department	:	Estate Maintenance Department/Electrical
EMD Amount	:	Rs. 7,061
Last Date & Time of submission of Tender	:	05/12/2019 15:00
Address for submission of Tender	:	THE DIRECTOR, NIT TIRUCHIRAPPALLI-15 KIND ATTENTION TO: The Assistant Engineer/Electrical, EMC/EMD
Date & Time of opening of technical bid	:	06/12/2019 15:30

CONTRACTOR

2

ACCEPTING OFFICER

Bidding Procedures

Section I: Instructions for Online Bid Submission

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

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

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

PRICE BID

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

EVIDENCE FOR ONLINE BID SUBMISSION

24. After the bid submission (i.e. after Clicking “Freeze Bid Submission” in the portal), the acknowledgement number indicated by the system should be printed by the bidder and kept as a record of evidence for online submission of bid for the particular tender and also be used as entry pass to participate in the bid opening.
25. All the data being entered by the bidders would be encrypted using Public Key Infrastructure (PKI) encryption techniques to ensure the secrecy of the data. The data entered is not retrievable by unauthorized persons during the bid submission and until the time of bid opening by any person.
26. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid openers’ public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.
27. The confidentiality of the bids is maintained with the use of Secured Socket Layer (SSL) 128 bit encryption technology. Data storage encryption of sensitive fields is done.

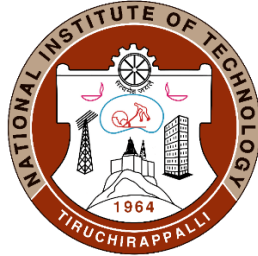
28. The bidder should logout of the tendering system using the normal logout option available at the top right hand corner and not by selecting the (X) exit option in the browser.
29. For any queries regarding e-Tendering process, the bidders may contact at address as provided in the tender document. Parallely for any further queries, the bidders are advised to contact over phone: **1-800-233-7315, 0120-4001005** or send an E-mail to cphp-nic@nic.in.

NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI – 15

Web : www.nitt.edu

Phone : 0431 –250 3840

ESTATE MAINTENANCE DEPARTMENT/ELECTRICAL



TENDER DOCUMENT (TECHNICAL BID)

Name of work : Providing power supply to newly purchased equipment at production process laboratory in Mechanical Dept.

Value of Work : Rs. 3,53,072/-

Tender Enquiry No : 18/19-20

Period of Contract : 90 days.

Tender Enquiry No : [NITT/EMD/EE/AE\(E\)/tender notice/Enq.No:18/19-20](#)

NATIONAL INSTITUTE OF TECHNOLOGY
TIRUCHIRAPALLI -620 015.
ESTATE MAINTENANCE DEPARTMENT/ELECTRICAL
NOTICE INVITING TENDER

1 Name of Work	Providing power supply to newly purchased equipment at production process laboratory in Mechanical Dept.
2 Estimated Cost	Rs. 3,53,072
3 Earnest Money Deposit	Rs. 7,061
4 Completion time	90 Days
5 Cost of tender document	NA
6 Last Date & Time for submission of e-Tenders	05/12/2019 15:00
7 (a) Date & Time of Tender opening (Technical Bid)	06-12-2019 15.30
(b) Opening of Price bid intimation	only qualified bids after evaluation with intimation
8 Maintenance period and Handing over	1 year from the date of actual completion of entire work and handing over to National Institute of Technology.
9 Address for Submission of tender	THE DIRECTOR, NIT TIRUCHIRAPPALLI-15 KIND ATTENTION TO: The Assistant Engineer/Electrical, EMC/EMD

Name of the Agency submitting the tender :

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Check list to evaluate the capability of the tenderer qualifying for price bid opening.

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 ESB <input type="checkbox"/> 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 2015-16, 2016-17 & 2017-18 (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 work, if any, 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 LT works/Fuse of calls in 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 **ESB 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 **90 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 **90 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 labourers 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. 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.
39. Generally, the maintenance period for any work under NITT will be SIX (6) MONTHS from the date of completion
40. Any deviation to this tender terms & condition and schedules of this tender will cause total rejection of the offer submitted
41. Incomplete offers will become liable for rejection.

42. 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 favour of The Director, NIT Tiruchirappalli. EMD in any other form will not be accepted. The rate of earnest money deposit shall be as under:

Works costing upto Rs. 1 lakh	1% of the Estimated cost put to tender
Works costing more than Rs.1 lakh	2% of the Estimated cost put to tender

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.

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/Demand Draft/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.
- c) EMD given by all unsuccessful tenderers shall be refunded normally within fifteen days of acceptance of award of work by the successful tenderer.
- d) EMD shall not carry any interest.
- e) Security Deposit on estimate cost/Tender Value

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 favourable 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 Organisation 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 NITT and CPPP 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 purchased equipment at production process laboratory in Mechanical Dept.**

Value of Work : **Rs. 3,53,072/-**

Tender Enquiry No : **18/19-20**

Period of Contract : **90 days.**

Tender Enquiry No : **[NITT/EMD/EE/AE\(E\)/tender notice/Enq.No:18/19-20](#)**

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 purchased equipment at production process laboratory in Mechanical Dept.	Rs. 3,53,072/- (Rupees three lakhs fifty three thousand and seventy two only)	90 Days

BILL OF QUANTITIES

Sl. No.	Item Description	Quantity	Units	TOTAL AMOUNT	TOTAL AMOUNT In Words
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AS PER SEPARATE SHEETS ATTACHED CONTAINING 4 PAGES

FROM SERIAL No. **31** to **37**

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.

Tender Inviting Authority: The Director, NIT Tiruchirappalli

Name of Work: Providing power supply to newly purchased equipment at production process laboratory in Mechanical Dept.

Contract No: NITT/EMD/EE/AE(E)/Tender Notice/Enq.No.18/19-20 Dt: 22.11.2019

Sl. No.	Item Description	Quantity	Units	TOTAL AMOUNT	TOTAL AMOUNT In Words
1	WIRING				
1.1	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
1.11	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	30.00	Metre		
1.2	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
1.21	5/6 A switch	4.00	Each		
1.22	15/16 A switch	4.00	Each		
1.23	3 pin 5/6 A socket outlet	4.00	Each		
1.24	6 pin 15/16 A socket outlet	4.00	Each		
1.3	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.				
1.31	6 Module (200 mmX75 mm)	4.00	Each		

CONTRACTOR

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ACCEPTING OFFICER

Sl. No.	Item Description	Quantity	Units	TOTAL AMOUNT	TOTAL AMOUNT In Words
1.4	DLP plastic Trunking wiring (Make: Legrand/MK)				
1.41	Laour charges for fixing of DLP Pastic Trunking 105x50mm with supply of necessary accessories of Joints for cover 85mm width-1No,Basejoint-25Nos,Clips-15Nos,Separation partition-1No,Endcap-2No,Internal angles-adjustable from 80 degr - 120 deg - 1No, VDI accessories for internal angles-1No,VDI accessories for external angles -1No, Flat angles -1No, VDI accessories for flat angles-1No, Flat junctions-1No, Flat junctions for specific size-tap off to an 80mm wide branch -1No, VDI accessories for junctions -1No, Wall crossing -1No, Capacity change -1No,Capacity change-1No, partition junction -1No, Cable ties base -1No. (105mm Base and 85mm Flexible Cover is NITT Scope)	20.00	Meter		
2	MCCB, MCB & DB'S				
2.1	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.				
2.11	200 A, 36kA, FPMCCB	1.00	Each		
2.12	250 A, 36kA, FPMCCB	1.00	Each		
2.2	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.				
2.21	Triple pole	4.00	Each		

Sl. No.	Item Description	Quantity	Units	TOTAL AMOUNT	TOTAL AMOUNT In Words
2.3	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	10.00	Each		
2.4	Supplying and fixing of following rating, Three/four pole, 415 volts, Isolator/MCB in the existing MCB/DB complete with connections, testing and commissioning etc. as required.				
2.41	Triple Pole 40-63A MCB	6.00	each		
2.42	Triple Pole 100A MCB	3.00	each		
2.5	Supplying and fixing following ways surface/ recess mounting, vertical type, 415 volts, TPN MCCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 160-250 amps tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB's, with provision of 160-250 amps MCCB as incomer, interconnection between incomer MCCB and bus bars (but without MCB's/ MCCB) as required .(Note : Vertical type MCCB TPDB is normally used where 3 phase outlets up to 100A) (Make: ABB/Legrand/Siemens)				
2.51	8 way, 250A, Double door	1.00	Each		
2.52	12 way, 250A, Double door	1.00	Each		
3	EARTHING				
3.1	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.	30.00	Metre		
3.2	Supplying and fixing cosmos earthig electrode systems.				
3.21	COSMOS ROMA 40mm DIA 2 Mtrs LENGTH WITH MOISTURE ENHANCER 25 Kg.	2.00	each		

CONTRACTOR

ACCEPTING OFFICER

Sl. No.	Item Description	Quantity	Units	TOTAL AMOUNT	TOTAL AMOUNT In Words
4	MV CABLE LAYING				
4.1	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size in the existing masonry open duct as required.				
4.11	Upto 35 sq. mm	170.00	Metre		
4.12	Above 95 sq. mm and upto 185 sq. mm	115.00	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.				
5.11	3½ X 120 sq. mm (45 mm)	6.00	Each		
5.12	3½ X 185 sq. mm (57mm)	2.00	Each		
5.13	3½ X 300 sq. mm (70 mm)	1.00	Each		
5.14	4 X 16 sq. mm (28mm)	2.00	Each		
5.15	4 X 50 sq. mm (35 mm)	4.00	Each		
6	MISC. CIVIL ITEMS				
6.1	Foundation Works / Earth Works				
6.11	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): 10 graded stone aggregate 40 mm nominal size).	0.18	cum		

Sl. No.	Item Description	Quantity	Units	TOTAL AMOUNT	TOTAL AMOUNT In Words
6.12	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	1.68	cum		
6.2	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:				
6.21	Cement mortar 1:4 (1 cement : 4 coarse sand)	1.26	cum		
6.3	FINISHING				
6.31	12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand)	6.54	sqm		
6.4	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				
6.41	Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	1.00	Cum		
7	FABRICATION OF CUBICLE BOARDS/LADDER/SOLAR STRUCTURE				
7.1	Panel Boards shifting/dismantling				
7.11	Labour charges for dismantling of old industrial type panel and handed over to EMC stores.	2.00	each		
7.12	Panel Boards shifting and erection charges including channel provision & connection etc as required	2.00	each		

Sl. No.	Item Description	Quantity	Units	TOTAL AMOUNT	TOTAL AMOUNT In Words
7.13	Main Motor Control/Oven Control Panel erection charges in including channel/Angle with bolt grouting with necessary connection etc as required.	1.00	Each		
7.2	Supply and laying of Rubber mats/ fabricated chequered plate/MS plate for following size with bottom support and necessary cutting, grinding, welding, erection including painting and transport charges etc. as required.				
7.21	Chequered plate thickness 4mm	1.80	Sq mtr		
7.22	Electrical Insulating Mats Class: A Conforming to IS:15652:2006, Thickness: 2.0mm	7.00	Sq mtr		
8	SUPPLY OF ELECTRICAL ITEMS				
8.1	Repairing and painting works.				
8.11	Removing and fixing of 3Ph DBs with necessary arrangements.	1.00	each		
8.2	SUPPLY AND INSTALLATION OF THREE PHASE STARTERS				
8.21	Supply and Installation of 3-Ph, 415V Sheet steel enclosre type 1.0-5.0HP DOL (Direct- On-Line) motor starter protecte with OLR with necessary arrangement etc. as required.	4.00	Each		
9	Supplying of Cables.				

Sl. No.	Item Description	Quantity	Units	TOTAL AMOUNT	TOTAL AMOUNT In Words
9.1	Supplying of following size ISI marked PVC/XLPE 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)				
9.11	3½ x 120 sq mm	65.00	Metre		
9.12	3½ X185 Sq mm	50.00	Metre		
9.2	Supplying of following size ISI marked PVC/XLPE insulated and PVC sheathed armoured copper conductor cable of 1.1 KV grade as required.(Make:Finolex,Gloster and Polycab)				
9.21	4X10 Sq.mm	25.00	Meter		
9.22	3x2.5 sq.mm	50.00	Meter		
9.23	3 x 4sq.mm	100.00	Meter		
9.24	24x1.5 sq.mm	10.00	Meter		
10	SUPPLY OF G.I PIPES AND ANGLES				
10.1	Supplying and erection of following size Medium class PVC pipe bended to required shape having threaded top end with chucknuts to fix in looping box, and fixing in pole collar /foundation as required.				
10.11	32 mm dia.PVC. pipe (medium class)	20.00	metre		
11	Adaptor box				
11.1	Cable adaptor box (MARKET ITEM)				

Sl. No.	Item Description	Quantity	Units	TOTAL AMOUNT	TOTAL AMOUNT In Words
11.11	Supply and installation of 300x250x100mm deep M.S Adaptor box along with 12Way Porcelain type terminal Connector made out of not less than 2.2 mm thick MS sheet connection inter-connection, powder coating painting etc. as required with necessary angle/Channel in the ground arrangement etc. as required.	2.00	Each		
Total Amount (Rs.)					

Note:

- GST extra as Applicable from the above quoted rate.

Amount in words (Rupees.....)Only