



NATIONAL INSTITUTE FOR INTERDISCIPLINARY SCIENCE AND TECHNOLOGY

(Council of Scientific & Industrial Research)

Thiruvananthapuram - 695 019

Phone No: 0471 – 2515236, 2515401, 2515267

No. NIIST/ ESD/Elect/Wks/NIT/1/15

Dated: 31.08.2015

NOTICE INVITING TENDERS

The Director, NIIST invites sealed item rate tender for the following work(s):-

NIT No. **NIIST/ESD/Elect/Works/1/2015**. Name of Work **Electrical Renovation & Refurbishment of various lab Rooms 2015-2016**, Estimated Cost Rs.**38,64,591/-**
Earnest money Rs.**77,292/-**, & / time of completion **9months**.

The tender forms and other details can be obtained from the O/o Head ESD on payment of Rs.**520/-**. The last date of receipt of application to purchase tender form will be **16/09/2015** up to **5.00PM**. Filled tenders will be received up to **18/09/2015, 2.00PM** and opened at **2.30PM** in the same day. Other detail/information can be seen on website www.niist.res.in.

Head ESD

Head ESD



NATIONAL INSTITUTE FOR INTERDISCIPLINARY SCIENCE AND TECHNOLOGY

(Formerly Regional Research Laboratory)
(Council of Scientific & Industrial Research)
Thiruvananthapuram - 695 019

Phone No: 0471 – 2515236, 2515401, 2515267

No. NIIST/ ESD/Elect/Wks/NIT/1/15

Dated: 31.08.2015

TENDER NOTICE

The Director, NIIST invites sealed item rate tenders in the prescribed form from eligible contractors registered with Govt/SemiGovt/PSU'S, CSIR Laboratories or reputed pvt sector concerns for the following works. The prequalification criteria is that the applicant should have carried out at least one work valuing 80% or 2 works valuing 60% or 3 works valuing 40% of the estimate in one year of the past 5 year . The application for tender documents should be accompanied by documentary proof of having done such job. The tender form can be purchased during office hours by DD from 03.09.2015 to 16.09.2015 at the office of Head, ESD (if by cash up to 12.30PM on all working days).

Sl. No.	Name of Work	Estimated Cost	EMD (Rupees)	Completion Period (In months)	Cost of tender paper+VAT
1	<u>Electrical work</u> Electrical Renovation & Refurbishment of various labs Rooms.2015-2016.	38,64,591/-	77,292/-	9	520/-

Estimate is mostly based on CPWD2014/KPWD12 SR 2012 for Electrical works and for other non- conventional items on market rate. Filled in tenders will be received up to 18/09/2015, 2:00PM and opened at 2:30 PM in the same day. Performance Security at 5% of the tendered amount shall be deposited on acceptance of the tender. Further details may be ascertained from the office. Director NIIST reserves the right to reject any application for tender or tenders without assigning any reason or cancel this notification. For details visit www.niist.res.in

Head ESD

Additional Terms and conditions for the electrification work as per schedule accompanying the tender/work order

1. Rate for individual items shall be quoted and total for each item and grand total of all the items shall be shown in the tender.
2. Only approved make of materials accepted as per list appended shall be used for the work. All other materials not mentioned in the list specifically shall conform to relevant IS standards.
3. M.V installation shall conform IS 732.
4. Earthing shall conform IS 3043/1988.
5. All wires shall be colour coded as below:
 - a) Single phase - Red
 - b) Three phase - Red, Yellow, Blue
 - c) Neutral - Black
 - d) Earth - Green
6. The final rates for the various items of work and materials if any coming under your scope of supply will be as detailed in schedule.
7. The work shall be commenced immediately and carried out strictly in accordance with a time schedule prepared by you and approved by the department.
8. It shall be responsibility of the contractor to prepare detailed drawings as per the design and guidelines given by the consultant and to submit the scheme for necessary approval under Rule 63 of IER 1956 from the electrical inspectorate. The contractor shall keep close liaison with the electrical inspectorate and KSEB to expedite formalities like measurement of soil resistivity, scheme approval, power allocation and sanction for energisation.
9. The schedule in general contains almost all the work and the material required for the work. In case any additional work/modification is found necessary during the actual execution of work it shall be carried out only with prior approval and on mutually agreed terms.
10. The client shall bare all expenses towards statutory fees and charges leviable by the electrical inspectorate and KSEB. Such fees shall be paid by the contractor and the amount spent by the contractor shall be reimbursed by the client on production of vouchers/receipts.
11. It shall be the responsibility of the contractor to carry out to the satisfaction of the department and consultant all necessary pre-commissioning tests before preparing the completion certificate for submission to the KSEB.
12. The contractor shall comply with the provisions of IER 1956 and Licensing Board Rules in regard to the execution and completion of the work.
13. The work shall be completed in all respects in accordance within a period given in the tender document from the date of commencement of the work.
14. The contractor shall furnish a guarantee for a period of one year from the date of commissioning of the installation, for all the works carried out as per this tender and shall under take to replace/repair any equipment or materials supplied by them during this period of guarantee free of cost.
15. The contractor should sign on all pages of tender documents.

Head ESD

Contractor

DETAILED TENDER NOTICE

1. Tenders have been invited for the works mentioned in the short tender notice from contractors of appropriate class of govt/semi govt PSU,s CPWD, Railways, MES, Post & Telegraph Department and/ or from those who have carried out similar works for CSIR amounting to the estimate cost of respective works or above in a single work during any one year of the the past three years.

The tenderers are required to produce documentary proof of fulfilling these conditions in accordance with the press notice and produce completion certificate from competent authority along with tender cost while applying for tender documents.

2. Time for carrying out the work will be as per Tender Notice and the date of commencement shall be reckoned from the tenth day of issue of award letter.
3. Complete Contract documents to be complied with by the tenderer whose tender may be accepted can be seen at the office of The Head, Engineering Services Division.
4. Tenders should be on specified form (Non-transferable) which may be purchased from the office of The Head,Engineering Services Division. during office hours on payment (Non-refundable.) as per the tender notice. Sale of tenders shall be stopped two days before the date of opening of tenders .
5. Tenders should be submitted in double sealed covers super scribed with the name of the work, date and time of opening written both on the inner and outer envelops .The filled in tender form should be put in one of the covers and sealed. The EMD by a way of DD or cash receipt should be attached with this envelope and both the above is placed in another cover and sealed. They will be received up to *2.00 P.M. on 18/09/2015. and will be opened at 2.30. P.M.* on the same day in the presence of those tenderers who choose to be present. In case the tender opening day is declared a holiday, then the tenders will be opened in the next working day. Tenders should be dropped in the tender box before the closing date and time indicated. In case these are sent by post, then it should be sent by Regd. Post / Speed post addressed to *The Director, National Institute for Interdisciplinary science & Technology, Trivandrum – 695 019*, Superscribed “*Tender for the **Electrical Renovation & Refurbishment of various labs Rooms 2015-2016** to be opened on 18/09/2015”* Tenderers are to ensure that they post the tender well in advance so as to reach before the closing time and date indicated. Late tenders will not be accepted.
6. The Earnest Money amount indicated in the Tender Notice may be made as *demand draft* or *pay order* of a schedule bank and drawn in favour of *The Director, National Institute for Interdisciplinary science & Technology, Trivandrum – 695 019* should accompany the tender in a separate envelope. Tenders received without earnest money will be invalid .
7. The Employer does not bind himself to accept the lowest or any tender and reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rates quoted .
8. Canvassing in connection with the tenders is prohibited and the tenders submitted by the contractor who resort to canvassing are liable for rejection .

Signature of the Contractor

9. The tenderer shall not be permitted to tender for works in the concerned unit of CSIR in which a relative is posted in the grade between Controller of Administration and Junior Engineer. (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or subsequently employed by him and who are relatives as mentioned above.
10. Tender submitted shall remain valid for 90 days from the date of opening for the purpose of acceptance and award of work, validity beyond 90 days from the date of opening shall be by mutual consent.
11. The tenderer shall quote rates both in figures and words. He shall also workout the amount for each item of work and write in both figures and words. On check if there are differences between the rates quoted by the tenderer in words and in figures or in the amount worked out by him, the following procedure shall be followed:
 - (i) When the rates which correspond to the amounts works out by the tenderer shall be taken as correct.
 - (ii) When the amount of an item is not worked out by the tenderer or it does not correspond with the rate written either in figures or in words, the rate quoted by the tenderer in words shall be taken as correct.
 - (iii) When the rate quoted by the tenderer in figures and in words tallies but the amount is not worked out correctly the rate quoted by the tenderer shall be taken as correct and not the amount .
12. The tenderer should see drawings and in case of doubt obtain required particulars, which may in any way influence his tender from the Engineer as no claim whatsoever will be entertained for any alleged ignorance thereof.
13. Before tendering, the tenderer shall inspect the site to fully acquaint himself about the condition in regard to accessibility of site, nature and extent of ground, working conditions of site and locality including stacking of materials, installations of tools and plants (T & P) etc., conditions affecting accommodations and movement of labour etc. required for the satisfactory execution of the work contract. No claim whatsoever on such account shall be entertained by the Employer in any circumstances .
14. Earnest money will be forfeited if the contractor fails to commence the work as per letter of award
15. Except writing rates and amount, the tenderer should not write any conditions or make any changes additions, alternations and modifications in the printed form of tenders. Tenderers who are desirous to offer rebate the same should be brought out separately in the covering letter and submitted along with the tender.

Signature of the Contractor

16. Some of the provisions of General Conditions of Contract are given below. Interpretation however shall be as given in the General Conditions of Contract.
- (a) **DEFECTS LIABILITY PERIOD:** Twelve months from the date of completion as certified by the Employer.
 - (b) **MINIMUM VALUE OF WORK FOR THE INTERMEDIATE CERTIFICATE:**
Intermediate certificate for payment can be admitted at the discretion of the Engineer provided the bill value is not less than the awarded amount divided by the period of completion in month.
 - © **SECURITY DEPOSIT:** A sum @10% of the gross amount of the bill shall be deducted from each running bill of the contractor till the sum already deposited as earnest money, will amount to security deposit of 5% of the tendered value of the work. In addition, the contractor shall be required to deposit an amount equal to 5% of the tendered value of the contract as Performance security within the period prescribed for commencement of work in the letter of award issued to him.
 - (d) **COMPLETION:** Contractor shall pay as compensation an amount equal to one percent or such smaller amount as the Employer (whose decision in writing shall be final) may decide on the cost of the whole work as shown in the agreement for every week that the work remains uncommenced or unfinished or due quantity of work remains incomplete after the proper dates. Compensation to be paid shall not exceed ten percent of the estimated cost of the work as shown in the Agreement .
17. All the materials to be arranged by the Contractor.
18. For all specialist jobs eg: lifts, air-conditioning, public address, fire protection, Security / surveillance and building management systems, technical (covering also general condition and commercial terms) and financial offers will be given separately in two sealed covers.
19. **CEMENT AND STEEL**
All material for the work including cement and steel will be procured / arranged by the contractor at his own cost. The department will not supply any material which are to be used in work. For procurement of cement and steel by the contractor the instruction/condition contained in the enclosed annexure A will be applicable.

Signature of the Contractor

ANNEXURE-A

ADDITIONAL CONDITIONS OF CEMENT AND STEEL

CONDITIONS FOR CEMENT

1. The contractor shall procure 33 grade (conforming to IS: 269) or 43 grade (conforming to IS : 8112) ordinary Portland cement as required in the work , from reputed manufactures of cement, having a production capacity of one million tons per annum or more, such as ACC , L&T , JP Rewa, Vikram, Shree cement, Birla jute, and Cement Corporation of India etc, as approved by Ministry of Industry, Govt of India and holding license to use ISI certification mark for their product whose name shall be got approved from Engineer in charge. Supply of cement shall be taken in 50 Kg bags bearing manufacturers name and ISI marking, samples of cement arranged by the contractor shall be taken by the Engineer in charge and got tested in accordance with provisions of relevant BIS codes. In case test result indicates that the cement arranged by contractor does not conform to the relevant BIS codes, the same shall stand rejected and shall be removed from the site by the contractor at his own cost within a week's time of written order from the Engineer in charge to do so.
2. The cement shall be brought at site in bulk supply of approximately 50 tonnes or as decided by the Engineer in charge.
3. The cement go-down of the capacity to store a minimum of 2000 bags of cement shall be constructed by the contractor at site of work for which no extra payment shall be made. Double lock provisions shall be made to the door of the cement go-down. The keys of one lock shall remain with the Engineer in charge or his authorized representative and the key of the other lock shall remain with the contractor. The contractor shall be responsible for the watch and ward and safety of the cement go-down. The contractor shall facilitate the inspection of the cement go-down by the Engineer in charge at any time.
4. The contractor shall supply free of charge the cement required for testing. The cost of test shall be borne by the contractor.
5. The actual issue and consumption of cement on work shall be regulated and proper accounts maintained as provided in clause 6 of the contract. The theoretical consumption of cement shall be worked out as per procedure prescribed in clause 6 of the contract and shall be governed by the conditions laid there in.
6. Cement brought to site and cement remaining unused after completion of work shall not be removed from site without written permission of the Engineer in charge.

Signature of the Contractor

CONDITIONS FOR STEEL

1. The contractor shall procure steel reinforcement bars conforming to relevant BIS codes from main producers as approved by the Ministry of Steel. The contractor shall have to obtain and furnish test certificates to the Engineer in charge in respect of all supplies of steel brought by him to the site of work. Samples shall also be taken and got tested by the Engineer in charge as per the provisions in this regard in relevant BIS codes. In case the test results indicate that the steel arranged by the contractor does not conform to BIS codes, the same shall stand rejected and shall be removed from the site of work by the contractor at his cost within a week's time from written orders from the Engineer in charge to do so.
2. The steel reinforcement shall be brought to the site in bulk supply of 10 tons or more as decided by the Engineer in charge.
3. The steel reinforcement shall be stored by the contractor at the site of work in such a way as to prevent distortional corrosion and nothing extra shall be paid on this account. Bars of different sizes and lengths shall be stored separately to facilitate easy counting and checking.

Size of Bar	For consignment below 100 tonnes	For consignment over 100 tonnes
Under 10 mm dia	One sample for each 25 tonnes or part thereof.	One sample for each 40 tonnes or part thereof.
10 mm – 16 mm dia	One sample for each 35 tonnes or part thereof.	One sample for each 45 tonnes or part thereof.
Over 16 mm dia	One sample for each 45 tonnes or part thereof.	One sample for each 50 tonnes or part thereof.

4. For checking nominal mass, tensile strength bend test, re-bend test etc specimen of sufficient length shall be cut from each size of the bar at random at frequency not less than that specified below :
5. The contractor shall supply free of charge the steel required for testing. The cost of test shall be borne by the contractor.
6. The actual issue and consumption of steel on work shall be regulated and proper accounts maintained as provided in clause 6 of the contract. The theoretical consumption of steel shall be worked out as per procedure in clause 6 of the contract shall be governed by conditions laid there in.
7. Steel brought to site and steel remaining unused shall not be removed from site without the written permission of the Engineer in charge.

Signature of the Contractor