



CSIR-NORTH EAST INSTITUTE OF SCIENCE & TECHNOLOGY: JORHAT

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH

NOTICE INVITING TENDER No.

NIT/ELECT/002(1)/2011 dtd 24.10.2011

Sealed item rate tenders are invited for the works mentioned below from the licentiate electrical Contractors/Firms registered in appropriate class of C.P.W.D., Railways, M.E.S., Post & Telegraph Department, State P.W.D.'s, Semi-Government organizations and/or from those, who have successfully carried out similar works for C.S.I.R. or its laboratories/Institutes or Government Organizations having required T & P. The tender document will be accepted only from those contractors, who have satisfactorily executed similar works of value : a) three similar works, each 40 % of estimated cost or b) two similar works each of value 50 % of estimated cost or c) one Similar work of 80 % estimated cost. The Contractor(s) already awarded work order for similar type of work at NEIST, Jorhat and not able to complete the contract in the allotted schedule and also not signed any agreement is (are) not eligible to submit the tender.

The tender paper can also be downloaded from NEIST website www.neist.res.in. The interested parties fulfilling the above points may download the tender documents and the parties are advised to enclose a separate demand draft / pay order as tender paper cost as mentioned below payable to 'The Director, North East Institute of Science and Technology, Jorhat-785006

Sl No	Name of work	Estimated cost R	Earnest money R	Cost of tender R	Time of completion	Date of issue	Date of submission
1	Supplying installation testing and commissioning of 500 kVA distribution transformer in Power House at NEIST, Jorhat	872691.00	17460.00	500.00	60 days	From 28.10.2011 to 04.11.2011	08.11.2011

- The tenderers are required to produce proof of fulfilling conditions mentioned herein before, along with the attested copies of up to date Govt Regd Electrical contractor license, Wireman license, Supervisor (Electrical Engineer), Labour license, Sales Tax Certificate, Income Tax Clearance

Certificate and Credentials, complete to the Section Officer (Works) of Administration, N.E.I.S.T. Jorhat to get issue of Tender Paper on payment as mentioned above in cash (non-refundable). Sale of Tenders shall be stopped three days before the date of opening of tenders. (Issue of tender paper will be from 28-10-2011 to 04.11.2011).

2. Tenders should be submitted in double sealed covers superscripted with the name of the work date and time of opening written both on the inner and outer envelopes. They will be received up to 1:00 p.m. on 08.11.2011 and will be opened at 2:30. p.m. on the same day in the office of COA/AO, North East Institute of Science & Technology, Jorhat,. Tenders should be dropped in the tender box kept at the Security Office, N.E.I.S.T. Gate No. 2 before the closing date and time indicated. Tenders may be sent by Registered post or Speed post addressed to COA / AO, North East Institute of Science & Technology, Jorhat-785006 in case the Tenders are sent by post. Tenderers are to ensure that the tenders are reached well in advance before the closing time and date indicated.
3. The Earnest money, amount mentioned above drawn by demand draft or pay order of a schedule bank in favour of the Director, North East Institute of Science & Technology, Jorhat, should accompany the tender. Tenders received without earnest money will be invalid. The Employer

does not bind himself to accept the lowest or any tender and reserves the right of accepting the whole or any part of the tender.

4. Canvassing in connection with the tenders is prohibited and the tenders submitted by contractor who resort to canvassing are liable for rejection.
5. The tenderers are not permitted to submit their tenders for works in N.E.I.S.T. Jorhat where a relative of the tenderer 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 whose relatives are as mentioned above.

NOTE: A person shall be deemed to be a relative of another if, and only if, (a) they are members of Hindu undivided family; or (b) they are husband and wife; or (c) the one is related to the other in the following manner: Father, Mother (including Step mother), Son (including step son), Son's wife, Daughter (including step daughter), Father, Son's son, Son's son's wife, Son's daughter, son's Daughter's husband, Daughter's husband, Daughter's son's wife, Daughter's daughter, Daughter's daughter's husband, Brother (including step brother), wife, sister (including step sister). Sister's husband.

6. 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.
7. The tenderer shall quote rates both in figures and words. He shall also work out 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 there is difference between the rates in figures and in words, the rates which correspond to the amounts worked 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.
8. 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.
 9. 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 condition 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.
 10. Earnest money will be forfeited if the contractor fails to commence the work as per award of work.
 11. Except writing rates and amount, the tenderer should not write any conditions or make any changes, additions, alterations 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.
 12. 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:** Rs..... (Rupees only). Intermediate certificate for a lesser amount can be admitted for payment at the discretion of the Engineer.
 - c) **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 along with the sum already deposited as earnest money, will amount to security deposit of 5% of the tenderer value of work. In addition, the contractor shall be required to deposit an amount equal to 5% of the tendered value of the contract as Performance Guarantee within the period prescribed for commencement of work in the letter of award issued to him.
 - d) **Compensation:** Contractor shall pay as-compensation and 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 whole work as shown in the agreement, for every week that the work remains uncompleted 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.
13. Schedule showing approximate quantity of materials to be supplied by the Employer under Clause: 6 of the General Conditions of Contract for works contracted to be executed and to rates at which they are to be charged for.

particulars of materials	Approx. Qty.	Rates at which the materials will be charged to the contractor			Place of Delivery Stores (Name of the Laboratory)
		Unit	Rs. (Figures)	Rupees	
1 Cement 2. Steel		Contractor's Supply			

NOTE: The Tenderer shall ensure that particulars in the above form are filled in by the engineer before he submits the tender.

14. For all specialist jobs e.g., lights, air conditioning, public address, fire protection, security surveillance and building management systems, technical (covering also general conditions and commercial terms) and financial offers will be given separately in two sealed covers.

SPECIAL CONDITIONS – I

1. These special condition are meant to amplify the general specifications and general conditions of contract.
2. Work shall be done as per CPWD specification. Incase of any discrepancy the order of precedence in interpretation shall be as under..
 - (i). Schedule of quantities
 - (ii) Drawings
 - (iii) Additional conditions
 - (iv) General conditions of contract
 - (v) Special condition
 - (vi) Additional Technical Specifications
 - (vii) CPWD latest Civil and Electrical Specification
 - (viii) IS Codes
 - (ix) International Codes
 - (x) Best Engineering Practice.
3. Steel
 - (i) Steel to be issued as stated elsewhere in the contract shall be for reinforcement bars for RCC work. For all other items of steel work the contractor shall procure the same.
 - (ii) Reinforcement bars for RCC work will be issued in available coils and straight lengths. No claim for straightening the bars whatsoever shall be entertained.
 - (iii) Issue of steel of diameters above 10 mm dia will be regulated on sectional weight basis, weight being calculated with the help of the standard sectional weights as given in the CPWD latest specifications for conversion of length to weight. However, for bars upto and including 10 mm dia the following procedure shall be adopted. The average sectional weight for each diameter shall be arrived at from samples from each lot of steel received at site. The actual weight of steel issued shall be modified to take into account the variations between the actual and the standard coefficient and the contractor's account will be debited by the cost of this modified quantity only.
 - (iv) For theoretical consumption of steel, reinforcement bars will be balanced diameter wise for the purpose of penal recovery as envisaged in the contract.

4. Cement to be issued as stated elsewhere in the contract shall be only for site work. For factory made products such as pre-cast tiles, Hollow concrete blocks, RCC pipes etc. cement shall not be issued.
5. Unless otherwise provided in the schedule of quantities the rates tendered by the contractor shall apply for all heights, lifts, leads and depths of the work and nothing extra shall be payable on this account.
6. The surplus excavated earth which is beyond the requirement of the Employer's work may be allowed by the Employer to be disposed off by the contractor on his own or sell the surplus excavated earth to private parties at his discretion but nothing extra will be paid for the carriage or disposal of surplus earth if the same is not required for any other work of the Employer.

ADDITIONAL CONDITIONS:

- 1 The structural and architectural drawings shall at all time be properly correlated before executing any work. However, in case of any discrepancy in the item given in the schedule of quantities appended with the tender and drawings relating to the relevant item the former shall prevail unless and otherwise given in writing by the Engineer.
- 2 No payment shall be made to the contractor for any damage caused by rainfall, floods or any other natural cause whatsoever during the execution of work. The damage to work will be made good by the contractor at his own cost and no claim on this account shall be entertained
3. All materials used shall be as per specifications and ISI marked wherever applicable. ISI marking referred relates to latest BIS code as published by Bureau of Indian Standards up to 30 days before the date of opening the tender.
4. The contractor shall give a performance test of the entire installation(s) as per standard specifications and/ or as directed by the Engineer and will also submit. Test certificates as are required by Municipal. Electrical authority or another authority. Nothing extra shall be payable for the same other than the fees paid to such authorities which shall be reimbursed on production of receipts.
5. The contractor must have an up to date contractor's license for electrical works.
6. The contractor should have a regular supervisor having electrical supervisory license, wireman license, labour license, etc.
7. The contractor should go through the conditions of contract before filling up the tender
8. The Contractors are to submit the time schedule / Bar chart for completing the job.

NAME OF WORK

Supplying installation testing and commissioning of 500 kVA distribution transformer

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1	Contents	1
2	Notice Inviting Tenders	
3	Abstract of cost	
4	Schedule of quantities & summary sheet	
5 (A)	Condition of Contract for works	
	i) In English	

Note: Tenderer should confirm that they have received all the above papers. All the documents issued to be returned duly signed by the tenderer while submitting the offer.

TENDER ISSUED TO : M/s
.....
.....

Telephone no: _____ (IF ANY)

RRL Receipt No. _____ dated _____ for Rs. _____

SIGNATURE OF THE OFFICER ISSUING TENDER

NORTH-EAST INSTITUTE OF SCIENCE AND TECHNOLOGY: JORHAT
(Council of Scientific and Industrial Research)

Name of Work :Electrical renovation works to renovated type SA quarters at NEIST, Jorhat

DETAILS OF THE FIRM

- 1 Name of the Contractor/Firm :.....
- 2 . Registration No.....
- 3 Valid upto.....
- 4 Licence No. Issued by Labour Deptt.....
- 5 Valid upto.....
6. Earnest Money Deposited Vide.....No.....
of.....
- 7 Experience
 - (a)
 - (b)
 - (c)
 - (d)

Signature of Contractor

CSIR-NORTH EAST INSTITUTE OF SCIENCE & TECHNOLOGY
(Council of scientific and industrial research)

NAME OF WORK : Supplying installation testing and commissioning of 500kVA distribution transformer in Power House at NEIST Jorhat

SI No	Particulars of the item	Qnty	Unit	Rate in figure	Rate in words	Amount in Rs.
1	<p>Supplying, installation, testing and commissioning of 500 kVA 11/0.420 kV floor mounted indoor type copper wound distribution transformer. Areva/Similar Make</p> <p>Specification(s):</p> <p>(i) Type: 3 phase 4 wires 50Hz. Onam core type</p> <p>(ii) Reference standard : IS 2026</p> <p>(iii) Duty : Distribution(Indoor type floor mounted)</p> <p>(iv) kVA rating: 500 kVA</p> <p>(v) No load voltage: 11/0.433 kV</p> <p>(vi) Connection: HV - Delta LV-Star</p> <p>(vii) IS vector group reference: Dyn11</p> <p>(viii) Tapping on HV for HV Variation: +7.5% - 7.5% @ 2.5%</p> <p>(ix) Materials of winding : Copper</p> <p>(x) Guaranteed temp rise in deg. C</p> <p>(a) By oil : 50 deg.</p> <p>(b) Winding by resistance mtr: 55</p> <p>(xi) Type of tape changer: Off circuit</p> <p>(xii) No load loss at rated volt in kW : 1.1 (IS Tol)</p> <p>(xiii) Full load loss at 75 degC in kW: 8.5</p> <p>(xiv) % of impedance IS Tol: 4.5</p> <p>(xv) Cooling: ONAN</p> <p>(xvi) Termination: HT & LT cable boxes</p> <p>(xvii) OTI with alarm and trip contact</p> <p>(xviii) WTI with alarm and trip contact</p> <p>(xix) Buchholz relay</p> <p>(xx) Marshalling box</p> <p>(xxi) Required good quality transformer oil with test certificate</p>	1	Each			
2	<p>Installation of earth station with 600mm x 600mm x 3mm thick copper plate (Approx weight 10.5kg) with charcoal(96Kg), salt(5Kg) and 25mm x 3mm size copper strip as earth electrode, 20mm dia GI pipe for watering, 40mm dia GI pipe to enclose the electrode from the bottom of the plate to end of the strip electrode complete with all necessary bend, Tee, brass nut & bolt, funnel, cover plate and excavation of earth pit and refilling etc as specified and directed by department.</p>	2	Set			
	Total in Rs.					

NB: Rate must be written both figure word