



राष्ट्रीय प्रौद्योगिकी संस्थान नागालैंड
NATIONAL INSTITUTE OF TECHNOLOGY NAGALAND
Chumukedima, Dimapur
Nagaland - 797 103

**TENDER DOCUMENT FOR SUPPLY AND INSTALLATION
OF THREE NUMBERS OF AIR CIRCUIT BREAKER IN THE EXISTING
ELECTRICAL PANEL AT NIT NAGALAND CAMPUS**

NOTICE INVITING E-TENDER

**Notice Inviting Tender No. : NIT-N / ET / EO / 2020 / 11-01
Date: 05-11-2020**

Tender Document Issue Date : 05-11-2020

Last Date of Submission of Tender : 20-11-2020, 12.00 noon

Bid Opening Date and Time : 23-11-2020, 11.00 a.m.

**Delivery Period : Four Weeks from the date of Purchase
Order**

Tender Document Fee : Rs. 1,500/-

**Address for Submission of EMD : The Registrar
& Tender Fee National Institute of Technology
Nagaland, Chumukedima,
Dimapur-797 103**

NATIONAL INSTITUTE OF TECHNOLOGY NAGALAND
Chumukedima, Dimapur – 797 103.

NOTICE INVITING E-TENDER

NIT-N / ET / EO / 2020 / 11-01 Date: 05-11-2020

National Institute of Technology Nagaland is one of the newly established Institutes by MHRD under the NIT Act 2007 to impart technical education and to promote research activities in the North East region.

Sealed Quotations are invited from the reputed Manufacturers / Dealers / Registered Suppliers for Supply and installation of Three Nos. of Air Circuit Breaker in the existing Electrical Panel at NIT Nagaland as per the specifications (Annexure-I), terms and conditions given, so as to reach the office of the Registrar on or before the scheduled date and time. The detailed tender document can be download from the institute website www.nitnagaland.ac.in or <https://eprocure.gov.in/>.

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Bid(s) received beyond the due date of submission will be rejected. **The tender documents should be submitted in Government of India e-procure portal only (<https://eprocure.gov.in/cppp/>) on or before the due date and time (20-11-2020 at 12:00 noon). Tenders submitted by E-mails, Post, Courier, in person, etc., shall not be entertained.** The Institute shall not be responsible for any postal delay for non-receipt of the tender fee.

1. ESSENTIAL QUALIFICATIONS FOR SUPPLY AND INSTALLATION OF AIR CIRCUIT BREAKER IN THE EXISTING ELECTRICAL PANEL

- a) The Bidder should have experience of executing at least 1 (One) similar Orders of Equipments/Machines from any IITs /NITs/ Central/State Govt. Institutions, PSUs, Autonomous Units / Enterprises / Boards of Central / State Governments, or Educational & Research Institutions of National Repute for a value of Rs. 1 Lakhs in the last two years (i.e., from 1/4/2018). The Bidder shall submit a Copy of the Purchase Order for the proof thereof.
- b) The bidder should produce back up documents like purchase orders, work completion certificates for the above mentioned work.
- c) The bidder should furnish the certificate of PAN, GST number and IT Returns of last three years.
- d) The bidder (in case of authorised dealer) should provide the authorised certificate from the OEM/Manufacturer for the providing the same equipment as per the specification mentioned in the Annexure-I.
- e) The manufacturer / dealer should assure and submit self certificate for availability and supply of spares for next 3 years for the materials to be supplied.

Note:

All the supporting documents should be attached with the Technical Bid, without which the tender will be rejected. The bidder need to bring the above original documents at the time of technical opening for the verification.

2. Instructions to Bidder for Submission

- a) Interested firms meeting the criteria are required to submit the Bid only through Government of India e-procure portal only i.e. <https://eprocure.gov.in/cppp/>.
- b) Bid(s) received beyond the due date of submission will be rejected. No tender document will be entertained by Post/E-mail/FAX.
- c) The tender fee of Rs. 1,500/- shall be paid by demand draft of authorized/scheduled bank. The Demand Draft shall be drawn in favour of “IRG, NIT Nagaland” payable at Chumukedima, Dimapur. **The original Demand Draft for Tender Document fee** shall be submitted in a sealed envelope bearing the following reference on the top left corner: NIT-N / ET / EO / 2020 / 11-01, latest by 20th November 2020, 12.00 noon and addressed to The Registrar, National Institute of Technology Nagaland, Chumukedima, Dimapur, Nagaland - 797 103.
- d) The Institute shall not be responsible for any postal delay about non-receipt / non-delivery of the tender fee.
- e) Technical bid(s) will be opened on 23-11-2020 at 11.00 A.M. in the Conference Hall, Administrative Block of the Institute in the presence of the bidder(s) or their authorized representative(s) who are present at the scheduled time.
- f) In the event of the due date of receipt and opening of the tender being holiday/declared as holiday for the Institute, then due date of receipt / opening of the tender will be the next working day at the same time.
- g) Any amendment or addition made to the tender are not permissible after opening of the tender. Incomplete tenders will be rejected.
- h) The Institute reserves the right to reject any or all tenders, wholly or partly or close the tender at any stage prior to award of contract without assigning any reason whatsoever.
- i) The rate quoted should be valid for a minimum period of 90 days. No claim for escalation of the rate will be considered after opening the tender.
- j) The Institute reserves the right to accept in part or in full any quotation(s) or reject any or more quotation(s) without assigning any reason or to cancel the tendering process and reject all quotation(s) at any time prior to award of contract, without incurring any liability, whatsoever to the affected bidder or bidder(s).
- k) A prospective bidder requiring any clarification of the tender document may communicate to the Registrar, NIT Nagaland. The bidders can visit NIT Nagaland to inspect the panel for clearing any of their doubts for ascertaining the exact model of the Air Circuit Breakers.
- l) At any time prior to the last date of receipt of bids, Institute may for any reason, whether at its own initiative or in response to a clarification requested by prospective bidder, modify the tender document by an amendment.
- m) The bidder should strictly adhere to the specification and releasing of the payment is subject to satisfactory report by the Institute / concerned authorities.
- n) The rates should be quoted in Indian Rupee including all taxes and Freight charges at F.O.R destination at NIT Nagaland, Chumukedima, Dimapur - 797103.

3. **Delivery:** The delivery should be completed within Four Weeks from the date of issue of the Purchase Order.
4. **Payment Terms:** The payment of 60 percent of the order value shall be released after receipt of item(s) in good condition and after inspection of the goods jointly by representative from Bidder & NIT Nagaland. If the order value is more than Rs. 5.00 Lakhs, the next payment of 35 percent shall be released after the successful installation and completion of total work. The balance 5 percent of the total work value will be kept as Performance Security deposit for one year and the same will be returned within 30 days of completion of one year of maintenance phase from the date of installation and acceptance. If the order value is less than Rs. 5.00 Lakhs, the balance 40 percent shall be released after the successful installation and completion of the work.
5. **Taxes:** as applicable.
6. **Guarantee:** An undertaking should be given to repair or replace any part found defective due to faulty design or bad workmanship during the period of two years from the date of delivery of goods to the Institute at free of charge. Delivery of free replacements or repaired parts should be effected free of charge to the Institute within a reasonable period stipulated.
7. **Warranty:** Two Years comprehensive on-site warranty and it will be started from the date of the satisfactory supply and installation with expected requirements.
8. **Other terms & Conditions:** For other terms & conditions please refer our standard conditions.
9. **Force Majeure:** If the performance of the obligation of either party is rendered commercially impossible by any of the events hereafter mentioned that party shall be under no obligation to perform the agreement under order after giving notice of 15 days from the date of such an event in writing to the other party, and the events referred to are as follows:
 - Any law, statute or ordinance, order action or regulations of the Government of India,
 - Any kind of natural disaster, and
 - Strikes, acts of the Public enemy, war, insurrections, riots, lockouts, sabotage.
10. **Performance Bank Guarantee (PBG):** In case of items with order value of Rupees five lakhs (INR 5,00,000/-) and above, the successful bidder shall furnish an unconditional PBG (as per format at Annexure II) for 5% of the Purchase Order value from a scheduled Bank of India, after receiving the purchase order. Where the PBG is obtained by a foreign bank, it shall be got confirmed by a Schedule Indian bank and shall be governed by Indian Laws and be subject to the jurisdiction of courts at Dimapur. The PBG shall guarantee that,
 - The Vendor guarantees satisfactory operation of the Equipment & components against poor workmanship, bad quality of materials used, faulty designs and poor performance.
 - The Vendor shall, at his own cost, rectify the defects/replace the items supplied, for defects identified during the period of guarantee.

- This guarantee shall be operative from the date of installation till 60 days after the warranty period.

11. Applicable Law:

- i. The contract shall be governed by the laws and procedures established by Govt. of India and subject to exclusive jurisdiction of Competent Court and Forum in Dimapur / India only.
- ii. Any dispute arising out of this purchase shall be referred to the Director NIT Nagaland, and if either of the parties hereto is dissatisfied with the decision, the dispute shall be referred to the decision of an Arbitrator, who should be acceptable to both the parties, to be appointed by the Director of the Institute. The decision of such Arbitrator shall be final and binding on both the parties.

REGISTRAR

CONTRACT FORM

[To be provided by the bidder in the business letter head]

1. (Name of the Supplier's Firm) hereby abide to deliver / establish the by the delivery schedule / completion time as mentioned in the tender document for supply of the items if the purchase order is awarded.
2. The item will be supplied conforming to the specifications stated in the tender document without any defect and deviations.
3. Warranty will be given for the period mentioned in the tender document and service will be rendered to the satisfaction of NIT Nagaland during this period.

Signature of the Bidder :

Name and Designation :

Business Address :

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Place :

Date:

Seal of the Bidder's Firm

SUMMARY SHEET I – TECHNICAL BID

Sl. No	Specifications/Requirements	Vendor Specification	Compliance (Yes / No)
1	SUPPLY AND INSTALLATION OF BRAND NEW L&T AIR CIRCUIT BREAKER (Model: CN-CS 1000 S1) IN THE EXISTING ELECTRICAL PANEL (Detailed Specifications given in Annexure-I)		

Signature of the Bidder _____

Seal of the Bidder's Firm _____

SUMMARY SHEET II – FINANCIAL BID

Sl. No.	Item Description	No. of Units	Unit Cost (Rs.)	Total Cost (Rs.)
1	SUPPLY AND INSTALLATION OF BRAND NEW L&T AIR CIRCUIT BREAKER (Model: CN-CS 1000 S1) IN THE EXISTING ELECTRICAL PANEL (Detailed Specifications given in Annexure-I)	3		(Submit through Govt. e-procure portal only)
Total Cost				

Total (in Rs _____)

Signature of the Bidder _____
with Seal of the firm

Technical Specifications for L&T Air Circuit Breaker (Model: CN-CS 1000 S1)	
FEATURES	RATING
Type Designation	S1
Rated Current (A) at 50°C I_n	1000
Rated operating Voltage (V) 50/60Hz U_e	415
Rated Insulation Voltage (V) 50/60Hz U_i	1000
No. of poles	4
Rated ultimate short circuit breaking capacity 50/60Hz (kA rms) I_{cu} 380/415/500V	50
Rated service short circuit breaking capacity 50/60Hz (kA rms) I_{cs} 380/415/500V	38
Rated short time withstand capacity 50/60Hz (kA rms) I_{cw} 1sec	38
Rated making capacity 50/60Hz (kA peak) I_{cm} 380/415/500V	105
Rated impulse withstand voltage of main circuit (kV) U_{imp}	8
Rated impulse withstand voltage of aux. circuit (kV) U_{imp}	4
Typical opening time msec	40
Typical closing time msec	60
Utilization category	B
Electrical & Mechanical life (operating cycles)	20000
Type of Release: Microprocessor based	
$I_{cu}=I_{cs}=I_{cw}$ for 1 Second with Combined Test Sequence Certification.	
The Air Circuit Breakers shall be brand new and obtained from L&T works directly from the factory or Authorized Dealer of L&T.	

General Requirements:

1. All the three Air Circuit Breakers shall be brand new and obtained from L&T works directly from the factory or Authorized Dealer of L&T. No used item shall be acceptable.
2. The Air Circuit Breaker shall confirm to the requirements of IEC 60947-2 / IS 60947-2 and shall be type tested & certified for compliance to standards from CPRI, ERDA / any accredited international laboratory. The circuit breaker shall be suitable for 415 V + 10%, 50Hz supply system.
3. Air Circuit Breaker shall have $I_{cu}=I_{cs}=I_{cw}$ for 1 Second with Combined Test Sequence Certification from Independent Testing Approved Authorities CPRI/ERDA/ASTA/KEMA.
4. Arc chutes shall be provided for each pole, and these shall be suitable for being lifted out for the inspection of the main and the arcing contacts without using any tools.
5. 4 Pole Air Circuit Breaker should have 100% neutral rating.

6. Air Circuit Breaker shall be suitable for continuous operation at Ambient Temperature of 50°C without any deration.
7. For Safety Features Air Circuit Breaker shall be provided with automatically operated safety shutters to prevent accidental contact with live contacts when breaker is withdrawn from the Cradle and The insulation material used shall confirm to Glow wire test as per IEC60695-2-1

Note: The vendor has to provide the same make and model of the Air Circuit Breaker as the installation has to be carried out in the existing electrical panel.