

**Tender Document : supply, Installation, commissioning of
8 nos of 2 TON ,3 nos of 3 TON AC in CCC, NITK.**

Tender Notification : 597/AC/2019-20/DM

NITK Surathkal , Srinivasnagar PO,

Dakshina Kannada District

Karnataka PIN 575025

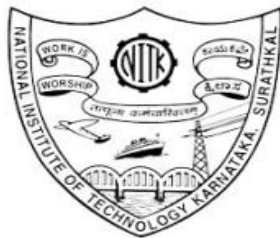
Notice Inviting Tender

**Supply, Installation, commissioning of 8 no's of 2 TON & 3 no's of 3 TON Air Conditioners
in CCC**

Office of The Resident Engineer

Updated on : 17/09/2019

Tender Notification	597/AC/2019-20/DM
Estimated amount put to Tender	Rs 9 lakhs
E M D Amount	Rs 18,000.00
Time for Delivery	Within 15 days of issue of Purchase Order
Last Date for submission of tender	07/10/2019 before 3:00 PM
Address for Submission of Tender	Office of the Resident Engineer, National Institute of Technology Karnataka Post Srinivasnagar, Surathkal, Mangaluru – 575025 Phone no :0824 247 3033
Date of opening of technical bid	08/10/2019 at 10:00 AM (if possible)
Date of opening of financial bid	Intimated later to the technical qualified bidders.



NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL
OFFICE OF THE RESIDENT ENGINEER
NOTICE INVITING TENDER (N.I.T)

Tender Notification: 597/AC/2019-20/DM

Date: 17/09/2019

National Institute of Technology Karnataka, Surathkal (in short - NITK, Surathkal; hereinafter referred as the “Institute”) is an autonomous Educational Institute of the Ministry of Human Recourses Development, Government of India, imparting technical and science education engaged in Research Activities. National Institute of Technology Karnataka, Surathkal is one of the “Institutes of National Importance” notified by the Govt. of India under the NIT Act – 2007 (Act No. 29 of 2007).

It is proposed to install **8 nos of 2 TON and 3 nos of 3 TON AC's at 2nd floor of CCC** of the institute. In this connection Sealed Tenders are invited for the following services in two cover system (i.e., Technical bid and financial bid) subject to the following terms and conditions, from the intending bidders to reach this office on or before scheduled date and time. The tender (Technical bid) will be opened on the specified day in the presence of bidders or their authorized agents who may choose to be present. The financial bid of only such bidders whose technical bid is accepted shall be opened later similarly on a pre-informed date

Note: Bids will NOT be received after the deadline that mentioned in the NIT. Bidders are hereby advised to ensure that their bids reach the address as mentioned above well before the deadline.

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Sd/-
Resident Engineer
NITK, Surathkal

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1)Introduction

Objective: Sealed Tenders are invited from intending bidders for the **Supply, Installation, commissioning 8 nos of 2 TON and 3 nos of 3 TON split type air conditioners at 2nd floor of CCC** of the institute.

Star Rated Inverter Air Conditioners with are desired with variable speed compressors that intelligently vary, according to the ambient condition of the room, thereby delivering exceptional cooling and maximum energy savings. These Inverter Air Conditioners must have in-built micro-controllers that continuously sense the temperature of the air indoors and adjusts the speed of the compressor. With its compressor design, Air Conditioners can expand cooling capacity when external ambient temperature increases and can also minimise cooling capacity to deliver the optimum cooling, thereby resulting in maximum energy savings.

- **Procedure:** A **two-stage** procedure will be adopted for evaluation of tenders submitted in response to this Notice Inviting Tender. Minimum qualification or background in terms of revenue, work experience and technical expertise expected from the bidder to participate in the bidding process shall be as given elsewhere in this document.
- The **commercial bid** shall contain the financials pertaining to **supply, Installation, commissioning, 8 nos of 2 TON and 3 nos of 3 TON split type Air Conditioners in CCC** of the institute. Commercial bid of only those bidders who pass the technical bid evaluation shall be considered for financial evaluation.
- **Successful bidder** shall be that bidder who has submitted the lowest qualified bid.

2 How to Submit

Both the Envelope No. 1 and 2 should be kept in another separate envelope duly superscripted with the following details.

- Tender Notification Number: 597/AC/2019-20/DM
- ITEM: **supply, Installation, commissioning, 8 nos of 2 TON and 3 nos of 3 TON split type air conditioners in CCC** of the institute.
- Mention KIND ATTENTION: Resident Engineer PH: 0824 2473033 and submit at the address given in the Notice Inviting Tender.

Last Date for submission of tender:07/10/2019 before 3:00 PM

Note: NITK Surathkal will not be responsible for non-receipt /non-delivery of the bids due to wrong addresses / postal delays / courier delays or any other similar reasons.

3 Submitting the bids

The bid should be submitted in two cover system — Technical Bid and Financial Bid as given below.

- **Technical Bid:** The bidder should give details of their technical soundness and provide list of customers of previous services to Universities, Institutes or Government Departments/ Undertakings/ public sectors with contact details. The details of the bidder/ profile should be furnished along with the copy of all related documents. This envelope should be sealed and duly super-scribed as Envelope No. 1: Technical Bid. Full name and address of the agency should also be mentioned on envelope and should be addressed to Office of the Resident Engineer, National Institute of Technology Karnataka Post Srinivasnagar, Surathkal, Mangaluru – 575025 [DK].
- EMD in original form valid for minimum six months, through Bank Guarantee or Demand Draft only drawn on any scheduled bank in favour of **Director NITK**, Surathkal, payable at Surathkal should be submitted. EMD shall bear no interest. Any bid not accompanying with EMD is liable to be treated as non-responsive and rejected except for those firms who are eligible for exemptions as per existing rules.

In case the Bidder claims for waiver of EMD, he/she shall provide documentary proof of being registered with the Central Purchase Organization, National Small Industries Corporation (NSIC)/MSME or the concerned Ministry or Department as per Rule 156 of GFR 2017, of Government of India, as amended from time to time. The registration must remain valid till the Bid Validity period.

- **Commercial bid:** The bidder should submit their financial bid in Envelope 2 as per the price schedule format of this document. The rate should be quoted both in words and figures. All the pages of the financial bid should be signed affixing the seal. All corrections and overwriting should be initialled. This envelope should be duly superscribed as **Envelope No. 2: Financial bid**. Full name and address of the agency should also be mentioned on the envelope and should be addressed to The Resident Engineer, National Institute of Technology Karnataka Post Srinivasnagar, Surathkal, Mangaluru – 575025.

4. The calendar of events of e-Tender is as follows:

- Date for viewing the tender document in website : 17-09-2019 onwards
- Start date for submission of tender document : 17-09-2019 10:00hours
- End (close) date for the submission tender : 07/10/2019 before 3:00 PM
- Tender opening date (technical bid : 08/10/2019 before 10:00 AM (if possible)

5. MINIMUM BIDDER ELIGIBILITY CRITERIA FOR QUALIFYING TECHNICAL BID.

- The Bidder should be registered under Indian law as a business entity. (Copy of documents such as registration under shops and commercial establishments or similar).
- The Bidder must possess GST registration – self attested copy should be attached.
- The Bidder must possess PAN registration with Income Tax department self-attested copy should be attached.
- The bidder must have the experience of having **successfully completed** similar work as follows during the past seven financial years ,in any Central Government department/ State Government department/Central or State Government undertakings/ Central or State government autonomous bodies/Public or Private Sector Units/ Private firms Central Government department/ State Government department/Central or State Government undertakings/ Central or State government autonomous bodies/Public or Private Sector Units/ Private firms:
 - **At least three single similar works, each work consisting of not less than value of 3,60,000/- OR**
 - **Two similar works, each work consisting not less than value of 5,40,000/-; OR**
 - **One similar work of not less than value of 7,20,000/-**

Similar work means: **supply, Installation, commissioning of split type air conditioners.**

Self-attested copy of Work Experience certificate issued from Central Government department/ State Government department/Central or State Government undertakings/ Central or State government autonomous bodies/Public or Private Sector Units/ Private firms (*with copy of TDS certificate in case of Private firms*) **should be submitted (BIDDER'S PARTICULARS Annexure I).**

- Authorization letter from original equipment manufacturer (OEM) in respect of system integration, warranty conditions and technical support for the **split type air conditioning** system. OEM of **split type air conditioners** should be resident/occupational in India for more than 10 years directly without Joint ventures.

However, this is not applicable to STARTUPS notified by the GO.I.
- The Bidder should not be blacklisted by any of the Government agencies. Declaration should be given by authorized signatory and undertaking in this regard must be submitted as per the format in Annexure-II.

6. Evaluation of Bids:

The evaluation of the Bids submitted shall be done in following two stages

- **Technical Evaluation:** The bids shall be opened in front of the bidders and technical evaluation shall be carried out to conform to tender requirements. The **technical bid** shall be evaluated in terms of matching specifications and qualifying terms for the bidders.
- **Commercial Evaluation:**
 - i. Only the technically qualified bidders shall be invited during opening of commercial bids and subsequently commercial evaluation shall be carried out.
 - ii. If any arithmetic discrepancies found in the commercial bid, then actual price will be derived based on the unit price quoted & taxes thereon. If there is any difference between price quoted in figures and words, then lowest among these shall be considered for determination of L1.
 - iii. Initial evaluation / comparison for various categories of items given in the Tender Document will be done on the basis of Gross Bid Value. The bid with lowest commercial Bid (L1) shall be considered for the award of contract.
 - iv. The bidder whose evaluated price is found to be lowest (L-1), shall be considered for placement of Work Order for supply and installation and maintenance of 8 nos of 2 TON and 3 nos of 3 TON split type air conditioners in CCC

7. General Instructions:

- Incomplete or conditional tender will be rejected. A bidder must bid for all items specified in the schedule. Partial bidding will be treated as incomplete and the bid will be rejected.
- Validity of bids: The rate quoted should be valid for 90 days. No claim for escalation of rate will be considered after opening the Tender.
- **Release of EMD:** The EMD shall be released after receipt of performance guarantee from successful bidder
- **Performance guarantee:** The successful bidder shall deposit a performance guarantee of 5% of the quoted amount in the form of Bank Guarantee (in approved format) / Demand Draft / FDR of any scheduled bank drawn in favour of the **Director, NITK, Surathkal** payable at Surathkal, on intimation before executing the Contract Agreement.
- **Release of Performance guarantee:** P.G will be released after successful completion of the work.
- Clarification of Tender Document:

A prospective bidder requiring any clarification of the Tender Document may communicate in writing /telephone to re.electrical@nitk.edu.in / 0824 247 3033 on or before 07/10/2019 before 1:00 PM. The compiled response if any will be uploaded in the NITK website as an annex to the notification before the last date. There will not be

an in-person pre-bid conference. No communication will be entertained after this specified date from the bidders or their principals until the tendering process is completed. Violation of this can result in bid rejection.

- The Institute may ask for clarifications if any during the technical evaluation and the bidders are expected to respond. Lack of response from them will enable the Institute to arrive at its own decision about such bids.
- Amendment of Tender document: At any time prior to the last date for receipt of bids, Institute reserves the right for any reason whatsoever, whether at its own initiative or in response to a clarification requested by prospective bidder, modify the Tender document by an amendment. Such amendments if any, shall be duly uploaded to the Institute website. The bidders are hereby advised to watch the Institute website for any such updates.
- Institute reserves the right to extend the last date for the receipt of bids at its own discretion.
- The bids shall be written in English language and any information printed in other language shall be accompanied by an English translation, in which case for the purpose of interpretation of the bid, the English translation shall govern.
- The Institute reserves the right to cancel or reduce the quantity included in the schedule of requirements at any time after acceptance of the tender without a notice. The Contractor/Supplier shall have no claim to any payment of compensation or otherwise whatsoever, on account of any profit or advantage which he might have derived from the execution of the work/supply in full but he did not derive in consequence of the foreclosure of the whole or part of the works/supply.
- In case of dispute, the matter will be subject to Mangalore Jurisdiction only.

8. PAYMENT TERMS:

- For supply, Installation, commissioning, 8 nos of 2 TON and 3 nos of 3 TON split type air conditioners in CCC of the institute **part of work 90% of the value of work will be paid on successful completion of work, balance 10% will be released after completion of one year from the date of commissioning)**

9. Warranty

- The entire split type air conditioning System in CCC supplied and installed should be under **onsite warranty of five years for 3 TON & Ten years for 2 TON** against all types of defects and deficiencies from the date of handing over of the system to NITK. Any defects found in the product/sub-product within the warranty period of 5 years shall be rectified/ replaced by the vendor free of cost. During this period of warranty, servicing at quarterly interval or earlier without any additional cost besides attending

to call back services in case of break down shall be carried out free-of-cost. This includes replacement of parts and spare parts and any number of break down call.

10.Scope of Work:

- supply, Installation, commissioning of 8 nos of 2 TON and 3 nos of 3 TON split type air conditioners at 2nd floor of CCC.
- Supply of items mentioned in BoM,
- The equipment/materials should be under five years for 3 TON & Ten years for 2 TON comprehensive warranty from the date of installation.
- Core cutting to be done in a proper way to connect copper tubes to the Outdoor and Indoor Units.
- Outdoor and Indoor unit should be provided with suitable stands and its accessories.
- Laying and fixing of copper pipes & drain pipes to be done ergonomically.
- The HAVC system will be installed in the 2nd floor of the CCC.
- After commissioning the Air Conditioners system, the same shall be demonstrated for all its capabilities to the relevant user department to make them familiar with the system on mutually agreed dates.
- Once the supply order is placed, it will be the vendors' responsibility to make the project functional. Any additional cost incurred for completing the project and for which the vendor has not bid at the time of submission of the final offer will be borne by the vendor.
- The HVAC System need to be functional on 24x7 basic i.e. 24 hours all the days.
- Completion Certificate: Work Completion certificate shall be issued only after completion of work in all respect and to the entire satisfaction of NITK.
- The vendor will liaison on behalf of NITK, with other different OEMs for repairing of equipment(s) and all other accessories during warranty period.

11. Schedule of Requirements, Specifications and Allied Details

❖ Requirements

Item(s) Name to be Procured	Supply, Installation, commissioning, 8 nos of 2 TON and 3 nos of 3 TON split type air conditioners in 2 nd floor of CCC, NITK Surathkal
Type	Equipment
Specifications of the Item(s)	Please see the details listed below
Quantity	As in BOQ
Warranty	Five years for 3 TON & Ten years for 2 TON from date of Installation
Any other details/requirement	As specified in the details listed below
Delivery Schedule expected after release of Purchase/Work order	Within 15 days of issue of Purchase Order
EMD (in Rupees)	Rs 18,000/-

- ❖ The general specifications for the Supply, Installation, commissioning, 8 nos of 2 TON and 3 nos of 3 TON split type air conditioners in CCC are

PERFORMANCE PARAMETER	NOMINAL CAPACITY (Tr)	3 Tr	2 Tr
	OUTDOOR UNIT (VOLTAGE / FREQUENCY / PHASE)	415 V / 50 Hz / 3 Ph	230 V / 50 Hz / 1 Ph
	INDOOR UNIT (VOLTAGE / FREQUENCY / PHASE)	230V / 50 Hz / 1 Ph	230 V / 50 Hz / 1 Ph
	BEE STAR RATING	3*	3*
	COOLING CAPACITY (BTU / HOUR)	36000	6300
	POWER INPUT (WATT)	3300	1800
	EER (BTU PER HOUR / WATT)	10	3
	RUNNING CURRENT PER PHASE (Amps)	7	8
	AIRFLOW VOLUME (CFM)	750 / 650 / 550	600/500/400

	(HIGH / MEDIUM / LOW)		
	NOISE LEVEL INDOOR (HIGH / MEDIUM / LOW) in dB(A)	50 / 45/ 40	45/40/35
	MOISTURE REMOVAL (LITRES / HOUR)	4	2
WARRANTY FOR THE TOTAL PRODUCT		5YEARS	10YEARS
COMPRESSOR	COMPRESSOR TYPE	RECIPROCATING	ROTARY INVERTER
	COIL MATERIAL	COPPER	COPPER
	FIN MATERIAL	COPPER	COPPER
	COMPRESSOR WARRANTY	5 YEARS	10 YEARS
REFRIGERANT & AMBIENT OPERATIONS	REFRIGERANT	R 22	R32
	ECO FRIENDLY REFRIGERANT	YES	YES
	MAX AMBIENT TEMP°C	50°C	50°C
	CABLE FROM ODU TO IDU (CORE / GAUGE)	1.5 SQmm	2.5 SQmm
TUBE SIZE & PIPING CAPABILITY	SUCTION TUBE SIZE OUTER DIAMETER INCH (mm)	5/8"	5/8"
	LIQUID TUBE SIZE OUTER DIAMETER INCH (mm)	3/8"	1/4"
	TOTAL MAX COPPER PIPING CAPABILITY (Feet)	15	15
	DRAIN PIPING(Feet)	7	7
CONFIRMITY TO INDIAN STANDARDS		Generally conforming to IS 1391 latest	
FEATURES		Auto restart,Sleep mode,24 hour On-Off Timer,Power Saver,Turbo cool,Self clean,2-way air swing,4-way air swing,Speed settings,Humidity Control,Active carbon filter	
ACCESSORIES		Wireless Remote is to be provided for Each Indoor units Suitable stands to be provided for Outdoor Units.	

12.PRICE BID

To

The Resident Engineer,

National Institute of Technology Karnataka

Subject: Price Bid for the Supply, Installation, commissioning of 8 nos of 2 TON and 3 nos of 3 TON split type air conditioners in CCC of the institute.

Name of the Bidder : _____

Address for Correspondence : _____

I hereby submit the commercial bid for for the **Supply, Installation, commissioning of 8 nos of 2 TON and 3 nos of 3 TON split type air conditioners in CCC** of the institute, NITK as per the Scope of work given in this tender document within the time specified and in accordance with the terms and conditions and shall be bound by the stipulation made by me in the bid.

Sl. No	Item	Qty	Rate/Unit	GST	Total rate	Total Amount
1	Supply 2 TON split type air conditioners with 5KVA Stabilizer	8 nos				
2	Supply 3 TON split type air conditioners.	3 nos				
3	Installation, Commissioning, Termination, Mounting, laying, core cutting, cable & outlet pipe dressing Charges including hardware items (like stand for outdoor, screws, bolts, nuts etc.) (Only ISI Marked accessories should be used)	One job work				
	Grand Total					

1. The rate quoted must be reasonable and valid for the period of contract from the date of opening of financial bid.

SIGNATURE WITH SEAL OF TENDERER

NAME IN BLOCK LETTERS: _____

Company Name with Full Address: _____

Annexure I

BIDDER'S PARTICULARS

S.No	Particulars	Details
1	Name of the Bidder	
2	Full Address of the Bidder	
3	Full address of the operating Branch/Office/Service Centre at Mangalore:	
4	Name of the Authorized Signatory	
5	Date of Incorporation of Company (Attach ROC Registration certificate, Partnership Deed or any other relevant legal document);	
6	Details of Earnest Money Deposit, if not exempted	DD No. _____ date _____ of Rs. 18,000/- drawn on Bank

7	<p>Has the bidder completed similar work as per tender eligibility section 5, point no 4 for Supply, Installation, commissioning of 8 nos of 2 TON and 3 nos of 3 TON split type air conditioners along with other accessories.</p>	
	<p>If YES, submit the proof of self- attested copies of the work orders and completion certificates for the same</p>	<p>YES / NO</p>

Bidder:

Signature _____

Name _____

Designation _____

Company _____

Date _____

Annexure II

**DECLARATION REGARDING
BLACKLISTING / DEBARRING FOR
TAKING PART IN TENDER**

(To be executed & attested by Public Notary/executive Magistrate on Rs 10/- non-judicial stamp paper by the Tendered]

1. I/We _____ of M/s _____ hereby declare that our company _____ having registered address at _____ has never been 'Blacklisted/debarred by any State/Central Govt, Department/Organization till date nor we are facing/filed any Litigation proceeding regarding debarring (blacklisting) with either of the above said agencies. OR I/We _____ of M/s _____ hereby declare that our company _____ having registered address at _____
2. was blacklisted or debarred by State/ Central Govt, Department/Organization from taking part in tenders for a period of _____ years w e f _____ to _____ .the period is over on _____ and now the firm /company is entitled to take part in tenders.
1. In case of above information found false, I/we are fully aware that the tender/contract will be rejected/cancelled by National Institute of Technology Karnataka, Mangaluru – 575025 and EMD/Security deposit shall be forfeited.
2. In addition to the above National Institute of Technology Karnataka, Mangaluru – 575025 will not be responsible to pay the bills for any completed /partially completed work/supply.

ATTESTED:

(Public Notary/executive Magistrate)

DEPONENT

NAME:- _____

Address: _____