

**Indian Institute of Information Technology, Allahabad**  
An Institute of National Importance by Act of Parliament  
Deoghat, Jhalwa, Allahabad-211015 (U.P.) INDIA  
Ph. No. 0532-2922025, 2922067, Fax: 0532-2430006, Web: www.iiita.ac.in, E-mail: [contact@iiita.ac.in](mailto:contact@iiita.ac.in)

Ref. No. IIIT-A/FIP/AC-Tender/579/2018  
Date: 13.03.2018

## TENDER DOCUMENT

FOR

**SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF  
INVERTER BASED VRF MODULAR TYPE AIR-  
CONDITIONING SYSTEM FOR SPINTRONICS LAB OF LT  
BUILDING**

**Tender No: IIITA/AC-TENDER/FIP/579 /2018 DATED- 13.03.2018**



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13/3/2018

**INDIAN INSTITUTE OF INFORMATION TECHNOLOGY  
ALLAHABAD (U.P.)-211015**



# भारतीय सूचना प्रौद्योगिकी संस्थान, इलाहाबाद Indian Institute of Information Technology, Allahabad

An Institute of National Importance by Act of Parliament  
Deoghat, Jhalwa, Allahabad-211015 (U.P.) INDIA

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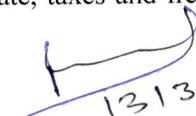
Ref. no. IIIT-A/FIP/ 579/2018  
Dated: 13/03/2018

## Tender Notice

Sealed tenders are invited under Two Bid Systems for the **Supply, Installation, Testing & Commissioning of Inverter based Variable Refrigerant Flow Modular Type Air Conditioner system for Spintronics Lab of LT Building at IIIT-A Campus at Allahabad.** The detailed specifications and terms & conditions are given in Annexure I, II, III, IV, V. Tender document may be downloaded from the Institute website [www.iiita.ac.in](http://www.iiita.ac.in)

You are requested to submit the quotation by courier/speed post with complete details of specifications, terms & conditions, warranty/ guarantee etc. Quotation should be in two separate sealed envelopes "**Technical and Commercial Bids**" and placed in a single envelope with name of the tender, ref. number and closing date subscribed on the top of the envelope addressed to the Faculty In-charge Purchase, IIIT-Allahabad upto 20.03.2018 at 12:00 Noon. Quotations duly sealed may also be dropped in the tender box placed in the office of the Faculty In-charge Purchase, IIIT-Allahabad. Basic rate, taxes etc. must be quoted separately, F.O.R. destination at IIIT-A, Jhalwa, Allahabad.

The technical bid received in prescribed proforma will be opened in the presence of the tenderers, or authorized representatives interested to be present, on 20.03.2018 at 4:00 P.M. The Financial bids of only technically qualified tenderers will be opened after evaluation by the Technical Committee. Basic rate, taxes and freight charges etc. must be quoted separately.

  
13/3/2018  
**Faculty In-charge, Purchase**

### Copy to:

- PS to Director - for kind information of Hon'ble Director.

## SECTION A: NOTICE INVITING TENDER

- 1.0 Sealed tenders are invited by Indian Institute of Information Technology, Allahabad for Supply, Installation, Testing & Commissioning of Inverter based Variable Refrigerant Flow Modular Type Air Conditioner system for Spintronics Lab of LT Building at IIIT-A Campus at Allahabad.
- 2.0 Earnest money: A non-interest bearing EMD of Rs. 13,000.00 (Rupees Thirteen Thousand only) by crossed Demand draft payable at Allahabad and drawn in favour of Indian Institute of Information Technology, Allahabad.
- 3.0 Time of Completion: 8 weeks from the date of issue of the Order.
- 4.0 Tenders shall be submitted in a sealed cover (**Technical bid & Commercial bid separately**) and should be addressed to **Faculty-In-Charge (Purchase Section), IIIT Allahabad- 211015** with the name of the Tenderer and the name of the work being noted on the cover.
  - 4.1.1 The tenders are to be submitted not later than 12:00 hrs. on 20-03-2018, Technical bids will be opened on same day at 16:00 hrs. respectively. Technically qualified Vendors shall be informed for opening of commercial bid.
- 4.2 Tenders shall be signed by an authorized member/ representative of the firm/corporation who shall produce satisfactory evidence of his authorization along with the tender documents.
- 5.0 Tenderers are advised to visit site and acquaint themselves of prevailing site conditions before submitting the tender.
- 6.0 Tenders shall be submitted in a proper form and be valid for acceptance for a period of 90 days from the date of opening.
- 8.0 IIIT- Allahabad reserves the right to accept or reject any or all tenders in full or in part without assigning any reasons.

### Qualifying criteria for issue of tender documents:

1. The tenderer must be reputed manufacturers/ their authorized distributors/ dealer/ agency in similar works of standards.
2. Tenderers should have undertaken/ completed the following work in the last 5 years:
  - (a) One similar work of value not less than (80% of the value of work to be executed)  
OR
  - (b) Two similar works, each of value not less than (50% of the value of work to be executed)



OR

(c) Three similar works, each of value of value not less than (40% of the value of work to be executed).

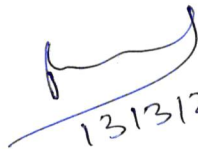
3. The annual turnover of the tenderer in the last 2 years should not be less than Rs.20.00 Lacs for each year separately.

The tender document can be downloaded from institute website: [www.iiita.ac.in./tender](http://www.iiita.ac.in./tender)

- Last date & Time of submission of tenders: 20.03.18 (12:00hrs)
- Date & Time for the opening of tenders : Technical Bid 20.03.18 (16:00 hrs.)
- Earnest Money Deposit: Rs. 13,000/-

The Earnest Money Deposit should be submitted along with the tender in the form of a crossed demand draft drawn in favor of “Indian Institute of Information Technology, Allahabad”, payable at Allahabad. Interested suppliers are invited to visit the site on any working day with prior permission of Faculty In-charge (Purchase)/ AC maintenance Committee/ Engineer In-Charge and examine the site and its surroundings and understand the scope of work thoroughly before submitting their tenders.

**Faculty In-Charge  
Purchase, IIIT Allahabad**

  
13/3/2018


**SECTION B: GENERAL INSTRUCTIONS:**

1. The Tenderer must submit **TECHNICAL** and **PRICE** bids **SEPARATELY** in 2 clearly superscripted, sealed covers. The detailed offers (in two parts as mentioned above) should be sent to Faculty-In-Charge Purchase, IIIT-A, Deoghat, Jhalwa, Allahabad- 211015 so as to reach the destination within the deadline.
2. Successful bidder has to enter into an agreement with Indian Institute of Information Technology, Allahabad as per draft enclosed at the end of this document, which may be included in the tender.
3. **Warranties:** The AC machines and associated accessories are to be guaranteed for trouble free operation, maintenance and service. The warranty should cover defects due to faulty manufacture, workmanship or material for 1 year from the date of commissioning. Any manufacturing defect found during this period shall be repaired/ replaced by the supplier free of charge as per terms and conditions embodied in the tender papers and agreement executed with

IIT Allahabad. The security deposit shall be returned to the tenderer at the end of the guarantee period of 1 year. During the guarantee period the supplier may state clearly the details of the periodic checks to be carried out by them on the whole plant for trouble free operation.

4. **Terms of Payment:**

- a. 50% towards supply of materials at site on pro-rata basis.
- b. 40% towards successful commissioning and handing over with all test reports and as-built drawings approved by IIT- Allahabad.
- c. Balance 10% will be released after the submission of PBG to the value of 10% of the contract valid beyond 2 months of warranty period.

  
13/12/2018

**Technical Bid**

**(On the letter head of the Firm & in a separately sealed envelope)**

**PROFORMA FOR APPLICATION**

1. Name of the Firm:.....
2. Address of the Firm:-  
.....  
.....  
.....
3. Phone Number (With Code):.....
4. Proprietor's Name:.....
5. Address of Proprietor:.....
6. Proprietor's Phone No:.....
7. Email Id:.....
8. Details of the firm:.....
  - (a) Date from which the firm is operationg:.....
  - (b) Turnover of the firm during:- FY 2015-16.....  
FY 2016-17.....

**(Please attach documentary evidence)**

- (C) PAN No.:- .....
- (d) GSTN No.:-.....

*P*  
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**9. E.M.D.:** The tenders should be accompanied in a form of a **FDR or Bank Guarantee** in favour of Indian **Institute of Information Technology Allahabad** payable at **Allahabad** (Any bid without EMD will not be considered). EMD should be enclosed with the Technical Bid document in a separate envelop. The EMD will be returned to the unsuccessful bidders within 15 days.

**Amount of EMD as below:**


Sl.No.	Description	EMD Amount	DD No./ FDR Date
1.	Supply of 100% Inverter based variable refrigerant flow modular type air- conditioning system of R410A having proven single inverter driven Scroll Compressor Technology of 11.0 TR.	13,000.00	

**Technical Compliance**  
**(To be attached with technical bid)**

**Specifications of AC Machine:**

<b>Sl. No.</b>	<b>Items/ Specifications</b>	<b>Compliance</b>	<b>Deviation</b>
1.	Supply of 100% Inverter based variable refrigerant flow modular type air- conditioning system of R410A having proven single inverter driven Scroll Compressor Technology of 11.0 TR		

**Note-** Vendors are requested to submit technical compliance sheet as prescribed Proforma. Unfilled signed compliance sheet will not be accepted.

  
13/3/2018  
**Signature of the tenderer**

**Seal of the firm**

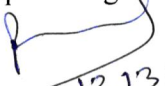


General Terms and Conditions of the Tender

1. Kindly mention tender number, subject, due date, contact address etc., on your quotation. Incomplete quotation will not be accepted.
2. **Bid:** The tenders are to be submitted in two part viz. “**Technical Bid**” and “**Commercial Bid**” in two separate sealed envelopes separately. The commercial bid will be opened only after acceptance of “**Technical Bid**”.
3. Detailed specifications, catalogue/ literature of all the items quoted should be supplied with the technical bid.
4. **Security Deposit:** Security deposit in the form of Bank Guarantee/ Demand Draft Form Nationalized Bank to the value of 10% of the contract valid beyond 2 months of warranty period. EMD will be released after receiving of Bank Guarantee/ Demand Draft.
5. **Delivery Schedule:** The supply, Installation, testing & commissioning shall commence from the date of issue of confirm work order and completion period may be strictly 08-09 weeks.
6. **Payment terms:** 50% towards supply of materials at site on pro-rata basis. 40% towards successful commissioning and handing over with all test reports and as-built drawings approved by IIIT- Allahabad. Final Payment will be made within fifteen days after completion of work, satisfactory inspection & satisfactory report of the AC Committee/ Engineer In-charge. No conditions clause with regard to interest etc. shall be entertained. Balance 10% will be paid after submission of PBG/FRD of valid beyond 60 days of warranty period.
7. **Penalty:** If the supply delayed beyond the stipulated time of completion of supply, penalty of 1% per weeks and maximum upto 10% of the total cost may be imposed at the discretion of the competent authority.
8. **Price Basis & applicable Tax claim:** Price should be quoted by interested tenderer is exclusive of all taxes to F.O.R IIITA, Allahabad basis. Vendor should clearly mention the Rate of applicable GST Tax separately, if firm will not mentioned the Taxes clearly on their Price Quotation, IIIT-Allahabad will assume that the quoted price is inclusive of all and no extra amount in later stage shall be paid by IIIT, Allahabad on account of taxes.
9. If it is found that items are of sub-standard quality and not conforming to the required specifications, the firm will have to replace the sub-standard items with genuine ones immediately.
10. Conditional quotations are liable to be rejected in the event of acceptance, Director decision will be final. The rates should be quoted as per our required specifications.
11. The quantity shown in this tender is only approximate requirement and is subject to alteration at the time of placing the supply order and during the pendency of the quotation it will be binding on the part of the successful Tenderers to honour and comply with such orders placed by this Institute.
12. All the documents submitted must be legible and self attested. Otherwise it is likely to be rejected.
13. In case the firm fails to complete the job within maximum specified period, Institute reserves the right to get the job done by any other firm and the difference of cost if any, will be recovered from the defaulting firm.



14. The EMD shall be returned to the bidder(s) whose offer is not accepted by the Institute within 15 days after finalization and award of the contract without any interest. Unsuccessful bidders may collect the EMD (within next 10 days after finalization & award of the contract) from purchase section, IIIT-A between 3 PM to 5 PM on any working day after providing a copy of any photo Identity Card. After these 10 days EMD will be sent by registered post to the postal address provided by the firm/bidder. Representative may also collect the EMD on behalf of the bidder, after providing and authorized letter from the bidder along with a copy of his photo identity card. If the return of EMD is delayed for any reasons, no interest/ penalty shall be payable to the bidder.
15. Tenderer responding to this enquiry shall be deemed to be agreeable to the terms and conditions herein contained. These terms and conditions shall be binding on the part of the successful tenderer.
16. Tenderer should take into account any corrigendum published on the Tender document before submitting their bids. All such corrigendum will be placed on IIIT-A website www.iiita.ac.in Intending tenderers are advised to visit www.iiita.ac.in for regular update, if any, till the closing date of tender for any corrigendum/ addendum/ amendment. IIITA will not be responsible for ignorance of corrigendum.
17. Tender must be quoted in prescribe format on the company/firm letter head.
18. If any defect is found in transit it will be the sole responsibility of the supplier to get it corrected and installed as desired by the Institute.
19. Quoted rate should be valid at least for 03 months.
20. All pages of the tender documents are to be signed and stamped by the tendering firm.
21. Director, Indian Institute of Information Technology, Allahabad reserves the right to reject or accept any tender.
22. Director, Indian Institute of Information Technology, Allahabad will be the sole arbitrator of all the dispute and his decision will be binding on both the parties.
23. Director, Indian Institute of Information Technology, Allahabad reserves the right to alter/modify any or all condition of this tender notice.
24. Quotation should be addressed to Faculty In-charge Purchase, Indian Institute of Information Technology, Deoghat, Jhalwa, Allahabad-211015 (U.P.), India.
25. All disputes are subject to Jurisdiction of Allahabad.

  
13/12/18

**For any query pertaining to this bid correspondences may be addressed to**  
**Faculty In-charge Purchase**  
**Indian Institute of Information Technology**  
**Deoghat, Jhalwa,**  
**Allahabad- 211015**  
**Phone-+91 0532-2922051**  
**E-mail: [info.purchase@iiita.ac.in](mailto:info.purchase@iiita.ac.in)**

**Faculty In-charge Purchase**

Certified that the information in the proforma is true. I/We agree to the contents of terms & conditions of the quotation/tender.

**Seal and Signature of the Proprietor/Authorized Representative**

**Bill of Quantity**

S.N.	DESCRIPTION	QTY	UNIT	Unit Price	Amount Rs.
<b>A</b>	<b>HIGH SIDE</b>				
1	<b>VARIABLE REFRIGERANT FLOW SYSTEM</b>				
	Supply of 100% Inverter based variable refrigerant flow modular type air- conditioning system of R410A having proven single inverter driven Scroll compressor technology.				
i	Ductable Type Units: 11.0 TR	Nos.	1		
<b>B</b>	<b>LOW SIDE</b>				
1	<b>INSTALLATION CHARGES OF UNITS</b>				
	Lifting, shifting, positioning of indoor units	Nos.	1		
2	<b>REFERIGERANT PIPING &amp; INSULATION</b>				
	Supply & Installation charges for interconnecting refrigerant pipe work suitable for refrigerant flow layed on GI channel, tie rod fastener etc.				
i	22.2 mm O.D. (insulation : 19 mm)	Rmt.	20		
ii	12.7 mm O.D.(insulation : 13 mm)	Rmt.	20		
3	<b>Drain Piping</b>				
	Providing and fixing rigid PVC piping complete with wall chasing				
	50mm/32 mm/ 25 mm dia.	Rmt.	15		
4	<b>GI Ducting</b>				
	Ducts made out of G.S. Sheets of Sail/Tata/Jindal/Uttam ispat make for Supply Air Complete job as per detailed drawings including suspension from RCC ceiling with MS hangers, MS angle steel rawl plugs, fasteners.				
i	24 gauge	Sq.mt.	50		
ii	22 gauge	Sq.mt.	7		
5	<b>Duct Insulation</b>				
	Thermal insulation of the supply air ducts with 9 mm thick fibre flass with aluminium backed of UP Twiga/ Fgr Or with 9 mm thick Cross Link Poly Ethvelin (XLPE) Make: Superlon/A Flex/ K Flex				
	Make:Superlon/A Flex/K F lex	Sq.mt.	50		
6	<b>Accoustic Lining</b>				
	Accoustic lining of supply air duct with 12 mm thick fibre covered with aluminium Flymesh G.I.Nuts and bolts. Complete job. For starting (2Mtrs.) Supply Air Duct Only	Sq.mt.	7		
7	<b>Grilles/Dampers</b>				
i	Extruded Aluminum Powder coated Supply/Return air grills	Sq.mt.	2		
ii	Supply, installation, testing & commissioning of volume control dampers of 18G GI frame and opposed blades complete with handle as required	Sq.mt.	2		
8	<b>Canvass Connection</b>	Nos.	1		
9	<b>Transmission &amp; Controller Wiring</b>				

131312018



S.N.	DESCRIPTION	QTY	UNIT	Unit Price	Amount Rs.
	Providing and fixing of transmission and controller wiring with 1.5 Sq.mm 2 Core copper cable layed with wall chasing in suitable conduits with elbows and tees wherever required	Rmt.	40		
<b>10</b>	<b>Air Curtains</b>				
	High Power type air curtain with Air Discharge Velocity 17.5 M/sec.	Nos.	1		
<b>11</b>	<b>Main Incoming Power Cables</b>				
i	Supply, laying & termination of Interconnection of 35 sq.mm, 3.5core, XLPE aluminium armoured power Cables from indoor unit to outdoor unit upto main power panel on the first floor of the building. Cable should be proper saddle & clamped with the tray.	Rmt	75		
ii	Main ON/OFF Switch-100 Amp, 4 Pole, MCCB with seperator with box near the Air Condition Machines (L&T/Schneider/ABB/	Nos	1		
	<b>Total A</b>				
	<b>Total B</b>				
	<b>GST.</b>				
	<b>Grand Total</b>				

**Approved Makes of Equipments & Materials**

**S. No. Equipment / Material Approved Makes**

1. Air Conditioning – Daikin/ Hitachi/ Blue Star/ Voltas/Carrier/LG
2. Grilles/ Diffusers- Green ventilation / Pine aire / Precise / Systemaire / Titus
3. Copper Pipe - Rajco/ Mandev/Rokyo
6. Closed cell Nitrile rubber- Armacell / K flex / Supreme
7. Fibre glass –Supreme/ UP twiga / Owen corning
8. PVC Pipe - Prince / Supreme / Finolex/ AKG
9. Cables – Havells/ Finolex/ Anchor
10. PVC Conduits – AKG/ISI Mark

**Note:** For any other item required for successful completion, but not included in the above list the Sub Contractor shall take prior written approval from the IIIT-ALLAHABAD

*[Signature]*  
13/3/2018