



### TENDER NOTIFICATION

The Adichunchanagiri University invites **closed tenders** from eligible tenderers or bonafide licensed manufacturer or their authorised local supplier/dealer/distributor in the state of Karnataka for the Procurement of Air Conditioners & Ceiling Fans as per section I & II.

1	Name of the work	Supply & installation of Air Conditioners & Ceiling Fans at ASNS, B.G. Nagara
2	Last date for tender submission	On or Before 11.06.2024 up to 05:00 PM

### SECTION -I

#### Instruction to Tenderers

- The Tenderer shall send quotes in **2 bid formats (Technical and Financial bids sealed separately inside the main envelope for any or all list of items)** on professional business letterheads. The inner and outer sealed cover must bear the following identification
  - Tender for .....[name of service | Contract]
  - Tender Reference No.....[insert number]
  - Address to “The Registrar, Adichunchanagiri University, B.G. Nagara -571448, Nagamangala (T), Mandya (D)”
  - The tenderer who prefers to submit the tender through Post can dispatch the same through Registered Post / Speed Post or Courier so as to reach the above address on or before the due date and time specified in the Tender Notice. Tenders received after the due date and time, for what so ever reasons will not be considered and the authority, ACU BG-Nagara will not be liable or responsible for the same.
- Tender Currency:** Prices shall be quoted in Indian Rupees Only
- AMC/CMC (If any)** is subject to the Adichunchanagiri University’s norms.
- Warranty:** As per the Standard, preferably 03 years
- Amendment of Tender Documents:** At any time prior to the deadline for submission of tenders, the University may, for any reason, whether at its own initiative or otherwise, modify the tender documents by amendment. Adichunchanagiri University reserves all the rights to accept, reject, incorporate changes and re-tender without giving any reasons.
- Documents Comprising the Tender:** Shall attach Brochure, Certification of the product, Bank/account details, PAN, GSTIN, Good Standing Certificate and 02 Years of ITR declaration inside the envelope and company contact details with email ID on the main envelope cover for further correspondence.



7. **Tender Prices:** Prices indicated on the Price Schedule shall be entered separately I.e. the price of the goods, quoted (ex-works, ex-factory, ex-showroom, ex-warehouse, or off-the-shelf, as applicable), including all duties and sales and other taxes already paid or payable. Any Indian duties, sales and other taxes which will be payable on the goods if this Contract is awarded. Conditional tenders will not be considered.
8. **Validity of the Bid:** 90 Days from the last date of submission of bid
9. **Corrupt or Fraudulent practices:** The Adichunchanagiri University requires that the Tenderers, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy:
  1. will reject a proposal for award if it determines that the Tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;
  2. will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a university contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a University contract.
10. **Process to be confidential:** Information relating to the examination, clarification, evaluation, and comparison of Tenders and recommendations for the award of a contract shall not be disclosed to Tenderers or any other persons not officially concerned with such process until the award to the successful Tenderer has been announced. Any effort by a Tenderer to influence the Employer's processing of Tenders or award decisions may result in the rejection of his Tender.
11. **Clarification of Tenders:** To assist in the examination, evaluation, and comparison of Tenders, the Employer may, at his discretion, ask any Tenderer for clarification of his Tender, including breakdowns of unit rates. The request for clarification and the response shall be in writing or by cable, but no change in the price or substance of the Tender shall be sought, offered, or permitted except as required to confirm the correction of arithmetic errors discovered by the Employer in the evaluation of the tenders.
12. **Delivery:** The successful BIDDER should commence the services as per tender document/Work or Purchase Order. For any queries/ assistance, please write to registrar@acu.edu.in or telephone to purchase section +91 -7406907357.
13. **Penalty Clause:** Non-execution of supply order - For the reasons of failure to supply partially or completely within the stipulated time or any event of breach of contract. In case at any following stages
  1. For the delayed supply (3 days of grace period) - 2% deduction
  2. Quantity issues - 5% deduction
  3. Quality issues - 10% deduction





**SECTION -II**  
**Technical Specifications**

**I.HVAC Works**

**SCHEDULE OF QUANTITIES AND RATES FOR THE - CLASS ROOMS HVAC WORKS**

SI No	DESCRIPTION	UNIT	QTY	UNIT RATE		AMOUNT	
				MATERIAL	LABOUR	MATERIAL	LABOUR
<b>1</b>	<b>OUT DOOR UNIT - VRF</b>						
	Supply, Installation, Testing & Commissioning of Outdoor condensing unit comprising of Hermetic SCROLL compressor's, Heat Exchanger, propeller / axial fans, refrigerant circuit, Safety Devices & Oil Recovery System, operating on R410a refrigerant gas.						
	Microprocessor based control panel, able to integrate with BMS of any make seamlessly. Necessary hardware / software must be included.						
	First charge of Refrigerant Gas and oil charge.						
	Compressor shall be hermetic scroll compressor and shall be equipped with inverter controller of Insulated Gate Bipolar Transistor (IGBT) type to be efficient & quiet. Outdoor unit shall have step less capacity control with ALL INVERTER Compressors.						
	Minimum two or more compressors per Out door module						
	Condenser: Air-cooled condenser, shall be constructed with copper tubes mechanically bonded to aluminium fins to form a cross fin coil. Aluminium fins shall be coated with anti-corrosion coating.						
	Refrigerant Circuit shall include an accumulator, liquid and gas shut off valves and a solenoid valves.						



Outdoor unit shall include the following safety devices: High pressure switch, Low pressure switch, Fan motor safety thermostat, Inverter overload protector, Over Current relay, Fusible plugs, Fuses, Spring type vibration isolators etc., Outdoor unit supporting arrangement, foundation block, supporting MS platform, Painting with two coats of black paint.						
Unit shall be equipped with an oil recovery system to ensure stable operation with long refrigerant piping.						
Unit shall be equipped with power fluctuation safety devices to address frequent power fluctuations.						
Complete electrical power wiring of Aluminium & control wiring of copper required from indoor and outdoor units. Earthing of the complete system with 8 G G.I wire.						
Electrical Panel will be complete with necessary starters, fuses, switches, timers, over-load relays, contactors, push button and indicating lamps, single phasing PREVENTOR etc.,						
All outdoors units shall be mounted on MS angle base frame structure duly black painted with synthetic epoxy paint.						
Frame structure shall be mounted on MS plate & serrated rubber pads.						
Complete clamping and saddling of cabling work and refrigerant piping, covered with PVC conduiting.						
Cooling only application						
Power wiring from nearest electrical panel (Provided by other agency) to Outdoor unit running in 32mm dia GI Conduit.						



	Local Transportation, Insurance, Loading, Unloading, Freight charges from ICD to site, Lifting of ODU to Terrace level and Indoor unit to respective floors, Levelling charges, etc.,						
	Port Clearing Charges if any						
	Installation, Pressure testing, Commissioning and Handing Over of total VRF system. Includes Indoor & Outdoor unit installation, gas leak test and charging of refrigerant gas etc.,						
	Necessary Hardware & Software required for BMS integration						
	REFRIGERANT GAS R410A ONLY						
	High COP machines						
	Outdoor unit should be able to withstand voltage fluctuation of +/-10%						
	First charge of refrigerant gas						
	Actual Cooling Capacity at Designed indoor & Out door conditions						
	Ambient Condition: For Summer						
	Outdoor unit must be selected for 56 deg C DB in Summer						
	Inside Design Condition:						
	NOTE: Including crain charges, pressure testing and commissioning charges and drawing and haningover book						
	23 deg C $\pm$ 1 deg C & $\leq$ 60 % RH						
	Make : Blue Star / Mitsubishi						
1.1	10 HP (side discharge)	Nos.	1				
2	<b>VRF Indoor - Ceiling Mounted 4 Way Cassette Type Unit.</b>						
	Supply, Installation, Testing and Commissioning of Ceiling mounted 4way- Cassette unit, Cassette indoor unit shall have necessary filters, cooling coil, corded remote control with thermostat, electronic expansion						





	valve, fittings, supporting arrangement, fan, fan motor, Condensate drain pump, decorative panels etc., as per Tender drawing and Specification.						
	Unit shall have provision for outdoor fresh air duct connection.						
	3 speed adjustment						
	Noise Level < 32 dBA @ 1.0M from Mouth Outlet						
	Panel Size <= 36"x36"						
a	Large Type Unit 3'X3'						
2.1	2.0 TR Large Cassette Indoor Unit with Remote	Nos.	1				
2.2	2.3 TR Large Cassette Indoor Unit with Remote	Nos.	3				
3	<b>REFNET JOINTS</b>						
	Supply and Installation of Necessary Ref joints, valves as per the schematic drawing. <b>Make Bluestar</b>	Nos.	3				
4	<b>REFRIGERENT COPPER PIPE</b>						
	Supply and installation liquid an suction lines between the VRF air-cooled outdoor units and indoor units. Piping shall be carried out with 18G hard drawn copper pipes with soldered/brazed socket fitting. Both suction and liquid lines shall be insulated with closed cell nitrail rubber insulation & exposed piping shall be covered(suction +liquid both line included)	Rmts.	60				
5	<b>POWER CABLES</b>						
5.1	3 Core 2.5 Sqmm.	Rmts.	4				



6	<b>OUTDOOR STAND</b>						
6.1	supply and installation of MS fabricated outdoor stand	Nos	1				
7	<b>COMMUNICATION CABLE</b>						
7.1	Supply, laying testing and commissioning of following sizes of XLPE insulated PVC sheathed 2C*0.75SQMM	Rmt	60				
8	supply and installation of 6amps plug top	Nos	4				
9	supply and installtion of 1" PVC drain pipe with insulation						
9.1	25mm dia with 6mm thick nitrail rubber insulation	Rmt	30				
10	supply and installtion of refrigerant R-410 GAS	Kg	10				
11	<b>MISCELLANIOUS WORKS :</b> Removing Gypsum particle board for AC Copper pipe line and Replace with new gypsum board to finish work including materials and putty an painting work - <b>For Class Room 3 Only</b>	L/s	1				
	<b>AC electrical works</b>	lot	1				

**II. Ceiling Fans at corridors- 07 Nos**

**Head of Procurement**  
**Adichunchanagiri University**  
**B G Nagara -571448**

