

NOTICE INVITING TENDER REGARDING SUPPLY AND INSTALLATION OF AIR CONDITIONERS

NO: VET/NIT/2025-26/FA/001

DATE-02ND MARCH 2026

Name of the item:	Air Conditioner (India made)										
Capacity	1 – 2 tons										
Approximate Quantity:	100 numbers										
Brand:	Carrier, Voltas, Haier, Blue Star, LG, Diakin, Whirlpool, Samsung, Panasonic, Hitachi, Godrej, Mitsubishi heavy duty, IFB, O-GENERAL.										
Technical Specification:	<p>1. Capacity and Cooling Power Capacity is measured in Tons or BTU/hr (British Thermal Units). 1.5 Ton: The standard for medium rooms (150–180 sq. ft.). 2.0 Ton: Designed for large halls or living areas (>250 sq. ft.). Cooling Capacity: Usually ranges from 5,200W+ (1.5 Ton) and 6000 -7000+ (2 tons).</p> <p>2. Efficiency Ratings (BEE & ISEER) In India and many other regions, ACs are rated by the Bureau of Energy Efficiency (BEE) using the ISEER (Indian Seasonal Energy Efficiency Ratio). 5-Star Rating: Most efficient; typically has an ISEER of 5.0 or higher. 3-Star Rating: Balanced cost and efficiency; typically an ISEER of 3.8 to 4.2. 2026 Standards: Newer 2026 models feature recalibrated ratings, meaning a 2026 5-star unit is significantly more efficient than a 5-star unit from 2023.</p> <p>3. Compressor Technology Fixed Speed: The compressor is either "on" or "off." (Becoming obsolete). Inverter Technology: The compressor adjusts its speed based on the heat load. Inverter: Uses advanced rotors to reduce vibration, noise, and power spikes, allowing the AC to cool effectively even at ambient temperatures as high as 52°C to 55°C.</p> <p>4. Key Physical Components:</p> <table border="1"> <thead> <tr> <th>Component</th> <th>Function</th> </tr> </thead> <tbody> <tr> <td>Condenser Coil</td> <td>Uses 100% Copper (preferred for durability and heat exchange)</td> </tr> <tr> <td>Refrigerant Gas</td> <td>Most modern units use R-32 or R-290 (Eco-friendly, low Global Warming Potential).</td> </tr> <tr> <td>Expansion Valve</td> <td>Controls the flow of refrigerant; high-end models use Electronic Expansion Valves (EEV).</td> </tr> <tr> <td>Fin Coating</td> <td>Blue/Gold Fin technology prevents corrosion (crucial for coastal areas).</td> </tr> </tbody> </table> <p>5. Advanced Features (2026 Models) a. Convertible Modes: "5-in-1" or "7-in-1" modes allow you to run the AC at different capacities (e.g., 40%, 60%, or 110%) to save power when fewer</p>	Component	Function	Condenser Coil	Uses 100% Copper (preferred for durability and heat exchange)	Refrigerant Gas	Most modern units use R-32 or R-290 (Eco-friendly, low Global Warming Potential).	Expansion Valve	Controls the flow of refrigerant; high-end models use Electronic Expansion Valves (EEV).	Fin Coating	Blue/Gold Fin technology prevents corrosion (crucial for coastal areas).
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	<p>people are in the room.</p> <p>b. Air Filtration: PM 2.5, PM 0.1, and HEPA filters to remove dust and allergens.</p> <p>c. Stabilizer-Free Operation: Voltage fluctuations between 145V and 285V without an external stabilizer.</p>
Scope of work:	Supply & installation of items at VET premises and Annual Maintenance contract
Approximate cost:	30,00,000/- (Rupees thirty lakhs only)
Earnest Money	5% of the approximate value
Period (Time Limit)	Supply and installation should be completed within one month of approved order
Payment	<p>a. 50% of approved payment will be made on supply of the items and after obtaining fit certificate of the technical person.</p> <p>b. 40% of the approved payment will be made after successful installation of all items and after continuous running of 2 months.</p> <p>c. 10% of the approved payment will be released on successful running of 5 months.</p> <p>d. Earnest Money will be released only after 6 months of running.</p>
Time period for submission of offer	<p>7 days after publication of advertisement (excluding the date of advertisement)</p> <p>Neatly written application for the above should be mailed to the undermentioned mail address clearly stating the following</p> <p>a. Name of the organization:</p> <p>b. Status of the organization:</p> <p>c. Trade License Number:</p> <p>d. PAN of I.T</p> <p>e. GST Number</p> <p>f. Professional Tax Enrolment Number</p> <p>g. MSME Number (Udyam-aadhar)</p> <p>Any other registration</p> <p>h. Credential (Last 3 years)</p> <p>i. Details of Bank & banking</p> <p>j. Name of Authorised & empowered person who will negotiate and fix the order on behalf of the organization by competent authority</p> <p>k. Guarantee/Warranty offered and invocation of such</p> <p>l. ISO certificate</p> <p>m. Clear offer items i.e. rate/price, AMC etc.</p>

On receipt of request of direct meet the authorized and empowered person (s) will come to Trust premises with all the above documents on a paper book format and if the terms etc are agreeable to them, he/they has to execute a contract/agreement to be ratified by the organization.

Vivekananda Education Trust reserves the right to accept, reject, cancel any or all the proposal (s) and the entire tender and no question can be raised in view of the above. No legal proceeding will be entertained regarding this tender.

*******EMAIL ADDRESS TO WHICH OFFER SHOULD BE SEND*******

mecvmhs@gmail.com