

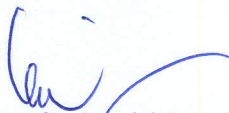
R.No. 814/ce
15/03/17

TENDER
FOR THE WORK OF SUPPLY,
INSTALLATION, TESTING &
COMMISSIONING OF TOWER(AC) HVAC
AT AMU(JAMA MASJID S.S HALL), AMU
ALIGARH, U.P - 202002



ISO 9001:2008

ALIGARH MUSLIM UNIVERSITY
ALIGARH U.P - 202002



Officer-On-Special Duty (OSD)
Jama Masjid Project
A.M.U., Aligarh

Technical Specifications

A - FLOOR STANDING AC

1. General

Floor Standing AC, Hot & Cool type Air-conditioning System for R-410A refrigerant suitable for $415 \pm 10\%$ volt, 50 Hz., 3 phase AC supply for Outdoor Units and $220 \pm 10\%$ volt, 50 Hz., single phase AC supply for Indoor Units with step less modulation complete with Indoor & Outdoor Units, interconnected refrigerant piping, full charge of refrigerant gas and oil, control cabling etc. as per site requirements & details given in the specifications as listed below complete in all respects including foundation and anti vibration pads.

2. Outdoor Unit

- 1.1 Hot & Cool ODU with EER/C.O.P not less than **2.90** at 100% load.
- 1.2 Pipe length shall not be less than **45m**.
- 1.3 Elevation difference should not be less than **18m**.
- 1.4 ODU should have **R410a** refrigerant.
- 1.5 Compressor should be **scroll** type compressor(s).
- 1.6 ODU should have special heat exchanger, low noise condenser fan, auto check function for connection error, auto address setting and minimum capacity and complete with all accessories.

2. Indoor Units (IDU)

- 2.1 Indoor Units for Tower Air-conditioning System suitable for $220 \pm 10\%$ volt, 50 Hz, 1 phase AC supply.
- 2.2 IDU should be equipped with synthetic washable media type filter arranged for convenient cleaning and replacement.
- 2.3 Fan section with low noise fan, multispeed motor, and coil section with DX (Direct Expansion) coil.
- 2.4 Air volume should be of 1650 CMH.
- 2.5 Sound pressure of 54 dB.

