NOTICE INVITING QUOTATIONS

Date: 01.10.2015

Subject: Purchase of Variable Speed Drives (VSD) in lab setup

Invitation for Tender Offers

Department of Electrical Engineering, IIT Delhi invites sealed tender offers in two bid format (Technical bid and Commercial bid) from eligible and experienced OEM (Original Equipment Manufacturer) OR OEM Authorized Dealer for supply of Variable Speed Drives (VSD) in lab setup with two years on site comprehensive warranty from the date of receipt of the material as per terms & conditions specified in the tender document.

TECHNICAL SPECIFICATION:

2.2 kW, 3 phase, 50 Hz, 415V (nominal) AC Variable Speed Drives. The drive should be running with sensorless vector control technology with built in braking chopper for protection. Configurable user input through human machine interface should be present. Input voltage can vary between 380V to 450V. Overload current capacity of 50% or more for 1 minute is required. The unit should have at least 2 analog input signals: one voltage signal (0-10V range) and one current signal (4-20mA). The unit should have at least 3 digital input signals. There should be one programmable digital output. Additional EMC filters must be installed for noise immunity. Suitable for indoor use with natural cooling construction and ambient temperature of up to 40° C. Physical dimension should be preferably in the range 200mm x 70mm x 160mm. The weight of the drive should not exceed 1.5kg. The unit should have protection from accidentally touching internal parts (e.g. IP20 standard). Adequate protection from short circuit must be present in the unit. The unit should be robust in design with good record of previous operational experience.

Terms & Conditions

1. Letter from the manufacturer for this tender is to be attached for authenticity of dealership/agency, and the dealer should be authorized service provider.
2. Special discount/rebate wherever admissible may please be indicated, keeping in view that the supplies made for educational purposes in respect of the public institution of national importance.
3. Vendors should attach the relevant product brochures/datasheets for the model quoted.
4. Validity of the quotation should be at least two months.
5. Vendors will do the installation and demonstration of the equipment at IIT Delhi premises without additional charges.
6. Taxes, terms and conditions should be clearly mentioned. Transport charges, if applicable, should be included in the commercial bid.
7. Warranty period should be clearly mentioned.
8. Payment terms and conditions should be clearly mentioned. Record of previous purchase orders and operational experience is desirable.
9. The Institute/purchase committee has the right to accept or reject any bid or all quotations without assigning any reason whatsoever.

Sealed quotations in separate envelopes of Technical and Commercial bids in one sealed outer envelope should be addressed to Dr. Anandarup Das, Department of Electrical Engineering, IIT-Delhi, Hauz Khas, New Delhi 110016 and should reach the Department of Electrical Engineering, IIT-Delhi by 5.00 PM on October 16, 2015.