

Kavayitri Bahinabai Chaudhari
North Maharashtra University, Jalgaon
 Post Box No. 80, Umavi Nagar, Jalgaon-425001

Phone No. : +91-257-2257475

Ref. No. : NMU/DOE/SOPS/28/2022

Date:-19/09/2022

Sealed quotations are invited in the prescribed proforma duly super scribed, thereon, and on the envelope, "**QUOTATION**", for the following equipment in the Department of Electronics. The details description of which is described below:

Sr. No.	Name of the item and its description	Technical Specifications	Quantity
01	PLC (HMI)	Universal PLC Platform with HMI and Siemens PLC , PLC : CPU type, CPU : 1214C, Digital inputs : 14, Digital outputs : 10, Analog inputs : 4, Analog output : 4, Program size : 75KB, Internal memory bits : 256, Interface : Ethernet Human Machine Interface (HMI) HMI Supply : +24V DC CPU : 32-bits 400MHz RISC Flash : 128MB, DDRAM : 64MB, Display size : 7 inch, Resolution : 800 × 480 TFT LCD 65, 536 colors Touch screen : High precision four-wire resistive, DC motor : 1 no.	02
02	Modules for PLC (Programmable Logic Controller)		
	1. Water Level Control by PLC	Interface : 20 pin FRC cable with PLC, Input pin voltage : 24 V DC when particular, I/P is activated from PLC, Output pin voltage : 5 V DC when particular, O/P is activated from PLC, Power supply : From PLC	01
	2. Elevator Control by PLC	Interface : 20 pin FRC cable with PLC, Input pin voltage : 24 V DC when particular, I/P is activated from PLC, Output pin voltage : 5 V DC when particular, O/P is activated from PLC, Power Supply : From PLC	01
	3. Traffic Light Control by PLC	Interface : 20 pin FRC cable with PLC, Input pin voltage : 24V DC when particular, I/P is activated from PLC, Output pin voltage : 5V DC when particular, O/P is activated from PLC, Power Supply : From PLC	01
	4. Temperature Control by PLC	Digital Output pin Voltage : 5 V DC when particular o/p is activated from PLC, Output of Sensor : 0-1 V max 0 to 100°C, Heater : 10 Watt resister Power Supply : From PLC and DC 12V - 1A adapter for fan and heater	01
	5. Conveyer control by PLC	Digital Input pin voltage : 24VDC when particular I/P is activated from PLC, Digital Output pin voltage : 5VDC when particular O/P is activated from PLC, Interface : PLC, Buzzer : +5V DC, Proximity Sensor : +24V DC output, IR Sensor : +24V DC output, DC Motor : +5VDC Mains Supply : +5V & +24V	01
	6. Speed Control of DC Motor by PLC	Analog Input ranges : 0-10V approximately, Analog Output range : 0-10V, DC Motor: Supply Voltage :12V DC, Speed range :2400 RPM Speed sensing : IR Sensor Digital Output pin Voltage : 5VDC when particular O/P is activated from PLC, Output of F/V Convertor : 0-10Vmax 0 to 2400 RPM, Mains Supply : 100-240V AC, 50/60 Hz	01

7. Motor & Switches Control by PLC	Interface : 20 pin FRC cable with PLC Digital input pin voltage : 24V DC when particular Input/output is activated from PLC, Digital output pin voltage: 5V DC when particulars input/output is activated from PLC. Stepper motor : 5V DC, Thumbwheel switch : + 24V DC, Limit switch : + 24V DC, Power supply : From PLC	01
8. Study of Star Delta and Direct On Line (DOL) Starter by PLC	Interface : 20 Pin FRC cable with PLC Input pin Voltage : 24 V DC when particular, I/P is activated from module, Output pin Voltage : 5 V DC when particular O/P is activated from PLC, Power Supply : From PLC, Power Consumption : 2.5 VA approximately Weight : 300gms approximately, Dimension (mm) : W 360 x D 260 x H 110, Operating Conditions : 0-40 C, 80% RH	01
9. Variable Frequency Drive Platform	Variable Frequency Drive Platform With 1 HP motor	01

Note:-

- Quotation must be sent to "Director, School of Physical Sciences, Kavayitri Bahinabai Chaudhari North Maharashtra University, Post Box No. 80, Umavi Nagar, Jalgaon-425001 "
- Closing date for the submission of quotations is 08/10/2022 or before 21 days

TERMS AND CONDITIONS

1. The supplier should quote the rates of given brand pertaining to the above equipment.
2. The equipment will be accepted only if it confirms to the specifications and / or selection of / by university. The university reserves the right to reject the equipment if found unsatisfactory / not as per as the specifications. In case, the University rejects the equipment, responsibility towards expenditure incurred thereon shall not rest on the university and the suppliers will defray expenditure only.
3. The catalogue price list, giving full details and rates of taxes, if any, should be quoted separately. In case, the price list is inclusive of sales tax, a mention to that effect is clearly made. Jalgaon municipal council has been kind enough to extend this university from levying of octroi duty and when demanded a certificate to that effect will be issued and as such octroi charges should not be levied and the price should be exclusive of octroi duty.
4. The supplier while taking order for supply of equipment is required to deposit 1% amount of the total cost and / or 5% retention amount if need arises. In case, an agreement is required to be entered into, the same will have to be made
5. While quoting the rates, the supplier should bear in mind the condition of home delivery, necessitating transportation charges to be borne by the supplier only.
6. In case, a supplier fails to supply the equipment and / or refuses to make supply even after placing the order on him, the equipment will be purchased from the other supplier and in an event the university is required to suffer any loss in such a transaction, the first supplier shall have to bear the cost difference to the extent of loss suffered by the university.
7. The payment in respect of all equipment will be made only after the technical advisor of the university has satisfactorily duly approved the same. In case of imported equipment, payment will be made through irrevocable letter of credit.
8. In case, the excise duty is charged, the GP-1 form must be enclosed along with the bill.
9. The firm falling under the sale tax act and shop act is only eligible to send the quotations. It is essential on the part of the supplier to mention the sale tax registration / certificate No. and shop act No. in the quotations and bills.
10. The condition of supplier with regard to the payment through the bank and condition of advance payment will not be accepted in any circumstances. The payment will be made by cheque only.
11. The quotation addressed in same of **"Director, School of Physical Sciences, Kavayitri Bahinabai Chaudhari North Maharashtra University, Post Box No. 80, Umavi Nagar, Jalgaon-425001"** should reach the university office **within 21 days or before 08/10/2022 of issuing of this notice.**

12. Quotations received by fax will not be accepted. Also quotations received after due date will not be accepted.
13. The university reserves the right to accept or reject the quotation without assigning any reason thereof.
14. The consignment should be strictly supplied into the stipulated period. On the failure, the significant penalty will have to be paid by the supplier for each delayed day.
15. While quoting the rates, detailed bifurcation detailed such as basic price, excise duty, sales tax should be given.
16. We have been exempted from payment of excise duty payable on equipment required for research project.



Director,
School of Physical Sciences,
Kavayitri Bahinabai Chaudhari
North Maharashtra University,
Jalgaon – 425 001