



BIRLA INSTITUTE OF TECHNOLOGY
A Deemed University u/s 3 of UGC Act, 1956
MESRA 835215, RANCHI (INDIA)

Phone: 0651-2276030/2276290

Email : purchase2@bitmesra.ac.in

Website: www.bitmesra.ac.in

LIMITED TENDER ENQUIRY

BIT/PUR/LTE/UNI POLY/22-23//IC000668/2022

DATE:28/12/2022

To,

M/s.

Dear Sir,

Subject : Request for Quotation for Procurement of UNIVERSAL PLC PLATFORM WITH HMI, STAR - DELTA STARTER, DC MOTOR SPEED CONTROL TRAINER KIT etc

You are requested to submit most competitive rates(s) for the following item(s) as per details given below (Sealed Quotations may be sent by hand or by post):

<p>Last date and time for submissions of complete Quotations by (Password protected) Email to ar.purchase1@bitmesra.ac.in purchase3@bitmesra.ac.in sealed quotations can be submitted to the under mentioned address.</p>	<p>10.01.2023 15:00 Hrs. (If all LTE Vendors submit the quotation prior to the submission date, the quotations will be opened prior to last date of submission.)</p>
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Sr.No.	Item Description	Qty
1	UNIVERSAL PLC PLATFORM WITH HMI : Programmable Logic Controller (PLC) CPU : FBs-20MA, Digital input : 12 nos. Digital output : 8 nos. Analog input : 4 nos. Analog output : 2 nos. Program size : 4096 (in words) Communication : USB Expansion : Yes. Human Machine Interface (HMI): HMI Supply : +24V DC CPU : 32-bits 400MHz RISC Interface : RS485 Storage Flash : 128MB DDRAM : 64MB Display size : 7 inch Resolution : 800 × 480 TFT LCD 65, 536 colors Touch screen : High precision four-wire resistive. General Specification: Toggle switches : 4 nos. Push to ON switches: 3 nos. Proximity sensor : 1 no. Selector switch : 1 no. Visual indicators : 4 nos. Audio indicator : 1 no. DC motor : 1 no. Relay card : 1 no. (Contains 2 relays) Voltage display : 1 no. Contactor : 1 no. PLC software : Winpro ladder HMI software : Levi studio Package contains : Quantity Mains cord : 1 no. Serial to USB : 1 no. (convertor) USB cable (A to B) : 1 no.	01 Nos.
2	STAR -DELTA STARTER: User friendly and powerful instruction sets On board Start , Stop , Emergency Stop Button, Ready to use application module should have Interface should be 20 pin FRC cable with PLC, Input pin voltage should be 24V DC when particular I/P should be activated from PLC. Output voltage should be 5V DC when particular O/P should be activated from PLC.	01 Nos.
3	DC MOTOR SPEED CONTROL TRAINER KIT: Speed Control of DC Motor should have 0-10V approximately Analog Input ranges, 0-10V 0-10 Analog output ranges: 12V DC motor with 2400RPM, IR Sensor for speed sensing. 5V DC Digital Output pin Voltage when particular O/P should be activated from PLC. 0-10Vmax 0 to 2400 RPM Output of F/V Convertor, Patch cords 8"(2mm) should be provided for interconnection.	01Nos.
4	TRAFFIC LIGHT CONTROL MODULE : Interface should be 20 pin FRC cable with PLC, Input pin voltage should be 24V DC when particular I/P is activated from PLC. Output voltage should be 5V DC when particular O/P is activated from PLC.	01 Nos.



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5	PLC BASED ELEVATOR MODULE : Elevator Control module should have 20 pin FRC cable with PLC, Input pin voltage should be 24V DC when particular I/P should be activated from PLC. Output voltage should be 5V DC when particular O/P should be activated from PLC.	01 Nos
6	PLC BASED WATER LEVEL CONTROL MODULE : Water Level Control module 20 pin FRC cable with PLC, Input pin voltage should be 24V DC when particular I/P should be activated from PLC. Output voltage should be 5V DC when particular O/P should be activated from PLC.	01 Nos.
7	PLC BASED BOTTLE FILLING PLANT MODULE : DAQ card interface with PLC (*Requires PLC with 12 digital input and 8 digital output)	01 Nos.

Sealed Quotation may be submitted superscribed with reference number as appended hereunder:-

Quotation for Supply of ----

Ref.No. ----- **BIT/PUR/LTE/UNI POLY/22-23//IC000668/2022**

To,

Asst. Registrar (Purchase)

Birla Institute of Technology

Mesra , Ranchi , Jharkhand

835215

From : M/s-----

Address : -----

Contact No. -----

Email ID-----

1. Original bills in triplicate along with the warranty card will have to be issued by the party to whom order is issued.
2. HSN code of the material should be mentioned in quotation.
3. All entries in the quotation should be typed or computer printed without any ambiguity and should be free from correction etc. Hand written offers will be rejected.
4. Late and delayed tenders will not be considered. In case any unscheduled holiday occurs on prescribed closing date the next working day shall be the prescribed date of closing.
5. The quotation should be submitted with descriptive literature & drawing. The make of the items offered should be clearly specified.
6. Material should be confirming to our specification. The deviations if any should be clearly indicated in the quotations.
7. Successful bidder has to furnish the OEM test certificates along with the materials (if applicable).
8. Rate /Price: The offered price shall be on **FOR BIT Mesra on Door Delivery basis**.
9. **No Advance payment will be considered at any circumstances.**
10. If offered Price Term is other than the FOR-Destination term, approximate Freight & forwarding charges along with the applicable Insurance charges may be mentioned.
11. GST and PAN certificate should be furnished along with quotations.
12. **Road Permit: The supplier shall arrange Road Permit on his own for transportation material to BIT Mesra and any additional tax liability on this account shall be borne and paid by the supplier.**
13. Purchaser will not pay separately for transit insurance/taxes (if any) and the supplier will be responsible until the stores arrive in good condition at the destination.
14. Warranty: Period of warranty should be clearly mentioned and also the parts covered under it. Warranty will be applicable from the date of successful installation.
15. Service Facility: Supplier must mention about the service set up in India & confirm effective after sales service.
16. BIT Mesra is not bound to accept the lowest or any quotation for whatsoever reason and reserve its right to accept or reject in whole or in part any or all the quotations received without assigning any reason.



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17. Applicable taxes shall be quoted separately for all items and levies payable by the supplier under the contract shall be included in the unit price.
18. Each bidder shall submit only one quotation and sealed quotation to be submitted / delivered at the address. (Alternatively it can be email at purchase3@bitmesra.ac.in or ar.purchase1@bitmesra.ac.in) or deliver by hand.
19. Training clause (if any) to be mentioned.
20. Delivery period should be mentioned clearly in the quotation. If a firm accepts an order and fails to execute the order in full as per the terms and conditions stipulated therein, it will be open to this Institute to recover liquidated damages from the firm at the rate of 0.5% to 1% per week of the order value subject to a maximum of 10% of the order value.
21. Conditional tenders will not be considered.
22. Authorized dealership certificate should be submitted in case principal manufacturing company is not quoting directly.
23. Copy of Purchase Orders for similar equipment supplied to any other organization desired.
24. Annual turnover of company for last 3 year / CA Certificate to be provided.
25. Declaration required by the vendor that the price quoted are lowest that I have supplied to any other organization.

Sd/-

Asst Registrar (Purchase&MM)

BIT Mesra, Ranchi-835215.