

INDIAN INSTITUTE OF TECHNOLOGY, DELHI
Department of Mechanical Engineering

Aug 21, 2014

Notice Inviting Quotation

Tender No:

Subject: Purchase of **EtherCAT I/O Modules, Drives and Motors**

Invitation for Tender Offers

Indian Institute of Technology 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, installation & integration of **EtherCAT I/O Modules, Drives and Motors** with one year on site comprehensive warranty from the date of receipt of the material as per terms & conditions specified in the tender document

The quotation should reach to **Dr.Sunil Jha**, Room 156 Block III Dept. Of Mechanical Engineering IIT Delhi, Hauz Khas, New Delhi – 110016 latest by 5:00 P.M. on 5 Sep 2014.

S.No	Items	Qty	
1.	EtherCAT I/O Modules, Drive and Motors with following items	1 set	
i.	EtherCAT Coupler	Coupler for E-BUS terminals	2 nos.
ii.	Servomotor terminal compatible with item 1(i)	With OCT, Integrated absolute value interface, 50 V DC, 4 A, 2 Digital Inputs 24 V DC, 1Digital output for break.	3 nos.
iii.	Servomotor compatible with item 1(ii)	24 – 48 V DC, Mo = 1.13 Nm, Io = 4 Arms, nn = 100 ⁻¹ , with holding break, smooth shaft, Electronic identification plate, multi turn. Single cable for Power and Feedback assembled at both ends, 4 X 0.75 + 2 X 0.5 mm ² , L = 5 m, shielded	3 nos.
iv.	Ethernet PC interface card compatible with item 1(i)	Gigabit Ethernet PC interface card, 1 channel, PCI bus	2 nos.
v.	EtherCAT/Ethernet Patch Cable	CAT5, PUR, 2.00 m	4 nos.
vi.	16 channel Digital input terminal compatible with item 1(i)	24 V DC, filter 3.0 ms, type 3	2 nos.
vii.	16 channel Digital output terminal compatible with item	24 V DC, 0.5 A, 1-wire system	2 nos.

	1(i)		
	viii. Power supply unit terminal for item 1(i)	24 V DC, output 10 V DC, 0.5 A	2 nos.
	ix. Ether CAT box	16 Digital Inputs, 24 V DC, 10 μ s, 2-3 axis accelerometers, 16-bit, with the following:- Fieldbus cable EtherCAT (PVC cable, straight plug, straight plug, RJ 45, M8, screw type, shielded, 4-pin, 2.00 m) Power cable (angled socket, open end, M8, screw type, 4-pin, 0.34 mm ² , 2.00 m) D-sub plug (IP 67, soldered, D-sub, 25-pin connector)	1 no.
	x. 8 channel Thermocouple Input Terminal compatible with item 1(i)	16 bit, preset to type K, with wire breakage detection.	1 no.
	xi. Bus End Cap compatible with item 1(i)	End Cap for terminal busses	2 nos.
2.	Development Software for Programming above Hardware with interface APIs for .Net Platform		1 no.

Terms and Conditions:

1. IIT Delhi is exempted from paying custom duty under notification No.51/96 (partially or fully) and necessary "Custom Duty Exemption Certificate" can be issued after providing following information.
 - a. Shipping details i.e. Master Airway Bill No. and House Airway No. (if exists)
 - b. Forwarder details i.e. Name, Contact No., etc.

Custom Duty Exemption Certificate will be issued to the shipment in the name of the Institute and Bills of Entry should be submitted to IIT Delhi later on.
2. Either the Indian agent on behalf of the Principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender. If an agent submits bid on behalf of the Principal/OEM, the same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item/product.
3. If the bidder is an authorized dealer of any manufacturer, the authorized Indian dealership certificate from the principles should be enclosed. Similarly, proprietary certificate for proprietary items should be provided.
4. IIT Delhi is exempted from paying Excise Duty and necessary Excise Duty Exemption Certificate will be provided for which following information are required.
 - a. Quotation with details of Basic Price, Rate & Amount on which ED is applicable.

5. Please quote prices of imported items at FOB (Freight on Board) IIT Delhi inclusive of all taxes, freight, delivery, installation and onsite training charges. The quotation should provide the total price of the system including all taxes and transportation charges.
6. In case IIT Delhi is imposed with demurrage charge due to import on CIF, the entire demurrage charge has to be borne by the Indian Agent of foreign supplier.
7. 100% payment within 30days after receipt of material
8. Technical compliance chart should be strictly attached with the bid.
9. All quoted hardware should be of same make and compatible with each other.
10. Bid has to be submitted for supply of all items. No partial quotation or supply will be acceptable.
11. Installation & commissioning at IIT Delhi.
12. All supplies should be completed within 6-8 weeks.
13. Quotations not sent in separate covers for technical and commercial bids are bound to be rejected.
14. Quotation validity should be minimum 90 days.
15. The products will be used for educational purposes. Any applicable academic institution discounts should be offered and stated clearly.

Authority of IIT Delhi reserves the right to reject any or all quotations without assigning any reasons.

Please submit technical and commercial bid in separate sealed envelopes. The quotations may reach the following on or before **5th Sep 2014 up to 5.00 PM**

Dr. Sunil Jha
Associate Professor
Department of Mechanical engineering
Room No. 156, Block III
IIT Delhi, Hauz Khas,
New Delhi 110016