

Department of Mechanical Engineering
Indian Institute of Technology
Hauz Khas, New Delhi-110 016

NOTICE INVITING QUOTATIONS

Dated: 28 Nov 2013

Tender No:

Subject: **Purchase of Proportional Electrohydraulic Trainer kit**

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 Proportional Electrohydraulic Trainer kit** with three years 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 13 Dec 2013.**

TECHNICAL SPECIFICATION:

Sl. No.	Technical Specifications	Remarks
1.	Controller Module: a. Electronic module for Proportional Valve controller. The module should have options to vary various parameters related to servo valve response and should also have two built-in independent digital displays. One of the two displays must be programmable. b. Electrical wiring	1 Set
2.	Magnetic Symbols A set of 20 hydraulic symbol of size 150 mm x 100 mm (approx.) should be supplied. The symbols can be used to explain hydraulic circuit in the class room teaching, on a magnetic whiteboard.	1 Set
3.	Structure <ul style="list-style-type: none">• Work station with castor wheel and lock• Work station is a vertical Frame unit (made of extruded aluminum profiles)• Overall occupied Size (W x H) – 1000 mm x 1800 mm• Material – Aluminum, anodized finish• Foot base – Wheel with locking arrangement	1 no.

4.	<p>Hydraulic Trainer with sensors and signal conditioners</p> <ul style="list-style-type: none"> a. Electro Hydraulic Proportional Valve <ul style="list-style-type: none"> • It should be mounted on a special, easy to use sub-plate. Special care should be taken to reduce chances of contamination. • Input Signal: 0 -10 V dc or 4 – 20 mA • Double solenoid type, flow control type b. Double acting cylinder <ul style="list-style-type: none"> • Bore: 30 mm x Stroke 250 mm • Port size -1/4 inch c. Hydraulic motor d. Flow control valve <ul style="list-style-type: none"> • Size – Dia 4 mm e. In-line Filter <ul style="list-style-type: none"> • Material – Aluminum machined, Anodized finish • Filter element 5 micron • Size – 1 / 4” • Indication for filter clogging f. Power pack unit <ul style="list-style-type: none"> • 1 HP, 3 phase electric motor • Flow rate: 5.2 LPM • Pressure: 70 bar (max), operating pressure: 35 bar • Solenoid valve for reducing power consumption when not in use • Capacity: 35 lit g. Pressure Gauge <ul style="list-style-type: none"> • Material – SS body with brass wetted parts, glycerin filled • Connection Size: 1 / 4” bottom • Size: 2.5” • Maximum pressure – 75 bar h. Linear Position Transmitter <ul style="list-style-type: none"> • Range: 0- 250 mm • Output: 0- 5 V dc i. Rotary Position cum velocity Transmitter <ul style="list-style-type: none"> • Optical type • Output: 0- 5 V dc • Maximum rotary velocity: 500 rpm • Maximum rotary position: 500 degree 	1 Set
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Terms & 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. Three years comprehensive warranty be provided and AMC price beyond 3 years should be mentioned separately.
8. Payment Options (any one to be chosen by the Department/ center)
Letter of Credit: 90% payment against shipping documents & balance 10% after satisfactory installation. For large purchase i.e. costing over Rs. 1 crore, 100% payment be made through LC.
Sight Draft: Payment against documents through bank.
Against Delivery: Payment by wire transfer after receipt of material.
Advance payment: pre-payment by wire transfer (for orders less than Rs. 5 lakh)
9. Delivery period: within 1 month from the issue of supply order.
10. The quotations must have validity of at least three months.
11. The products will be used for educational purposes. Any applicable academic institution discounts should be offered and stated clearly.

12. In event of failure of supply of the item/equipment within the stipulated delivery schedule, the purchaser has all the right to purchase the item/equipment from the other source on the total risk of the supplier under risk purchase clause.
13. If the delivery is not made within the due date for any reason, the Committee will have the right to impose penalty 1% per week and the maximum deduction is 10% of the contract value / price.
14. Compliancy certificate must be provided indicating conformity to the technical specifications.
15. Authority of IIT Delhi reserves the right to reject any or all quotations without assigning any reasons.

Sub. : Compliance Report against supply of

Sl. No.	Details	Yes / No
1.	We have gone through the terms & conditions of the tender document	
2.	Our organization or any of its subsidiaries have not been blacklisted by any Govt. / Autonomous bodies / Universities / Govt. Institutes.	
3.	The quoted price is valid for 6 months from the last date of submission	
4.	Income Tax Certificate attached*	
5.	VAT & TIN number copy attached*	
6.	Service Tax & Sales Tax Registration Certificate attached*	
7.	A detailed list showing number of items supplied by our company in last six months to various Government Organizations/ Institutions/ IITs / NITs with their full address, name of the contact person, fax number, mobile number, telephone Nos. and E-mail identity is attached.*	

(Signature of authorized person)

Name: _____

Seal of the company

Date _____

DECLARATION

1. I, _____ hereby certify, that all the information and data furnished by me with regard to this tender specification are true and complete to the best of my knowledge. I have gone through the specification, conditions and stipulations in details and agree to comply with the requirements and intent of specification.
2. I, further certify, that I am the duly authorized representative of the under mentioned tenderer.
3. I, further certify that my company meets all the conditions of eligibility criteria laid down to take part in the tender.
4. I, further specifically certify that my company has not been Black Listed/De Listed or put to any Holiday by any Institutional Agency/ Govt. Department/ Public Sector Undertaking in the last three years.

Name of Tendering Company/ Firm/ Agency (Attach certificates of registration)	
Name of proprietor/Director of Company/Firm/Agency	
Full Address of Office with Telephone No. and FAX	
E-Mail	
PAN No. (Attach attested copy)	
Service Tax & Sales Tax Registration No. (Attach attested copy)	
Contact Person Name	
Mobile Number	

(Signature of authorized person)

Name: _____

Seal of the company

Date _____