



INDIRA GANDHI DELHI TECHNICAL UNIVERSITY FOR WOMEN
(Established by Govt. of NCT of Delhi under Act 9 of 2012)
Kashmere Gate, Delhi-110 006

LIMITED TENDER ENQUIRY- NOTICE INVITING QUOTATION

Sealed item rate quotations are invited on behalf of Registrar, INDIRA GANDHI DELHI TECHNICAL UNIVERSITY FOR WOMEN,, Kashmere Gate, Delhi-110 006 **from eligible manufacturers /distributors /authorized dealers** for supply of :- Equipments for Measurement & control Lab “ as per the specification given in price bid attached with this NIQ:-

1	Name of work	Supply of 1. Single Slot USB Chassis for data Acquisition Card, with power chord 2. 4- Slot USB Chassis for data Acquisition Card, with power chord 3. 4 Channel Universal Analog Input Module 4. 4 Channel (For Torque and Load Cell) 5. 4 channel Thermocouple module 6. 4 Channel, RTD Module 7. 4- Channel, (for position & displacement) 8. 4- Channel, Analog output Module 9. 8- Channels, Digital output Module with LED's 10. Virtual Instrumentation and control software (Professional), Perpetual License 11. Sensors:
2	Last date, time and venue for submission of quotation	05/12/2014 up to 2.00PM
3	Date, time and venue for opening of technical bid	05/12/2014 at 3.00 Pm, seminar hall of the university.
4	Financial bid shall be opened after evaluation of technical bid/time notified thereafter	
5	Earnest Money Deposit (EMD)	50,000/-

The bids shall be submitted in two stages viz. (i) *Technical bid* (ii) *Financial bid*.

Eligibility:-

- Certificate of Authorized dealership/distributor/manufacturer. (in case of manufacturer, they will self certify so. Authorized dealers/distributor shall attach attested copies of dealership/distributorship certificates issued by the manufacturer)*
- Undertaking by the agency in its Letterhead that:-*

- a. that it has not been barred or blacklisted by any of the Central/State government/Departments/Organizations/Central or State PSU
 - b. that it will ensure fair trade practice.
 - c. that the proprietor/partners of the agency do not have any relative employed with IGDTUW University.
3. Should have valid registration with DVAT Deptt. of Govt. of Delhi
 4. Should have ISO certification of the manufacturing company.

4. Terms & Conditions:-

- (1) The bidder shall place his bids in two separate envelopes marked "Technical Bid" and "Financial bid". All documents in support of eligibility as well as another envelope containing DD/Pay order for EMD shall be placed in the envelope marked "Technical Bid". The offered rates shall be placed in the envelope marked "Financial bid". Both these bids should be superscribed with name of work and shall be placed in a third envelope which shall be superscribed "**Quotation for** :- Equipments for Measurement & control Lab.

Envelop1: Technical Bid

- a. This must contain original/downloaded tender document duly signed by authorized signatory on each page.
- b. Documentary proof of eligibility criteria as mentioned above.
- c. Covering letter and letter of submission
- d. Earnest Money Deposit in the form of DD/Pay order in favour of "**Registrar, IGDTUW GIA SB A/C**"

Envelop2: Financial Bid: Duly filled and signed by authorized signatory as per attached annexure.

- (2) Bids without EMD will be summarily rejected.
- (3) Conditional Bids will be summarily rejected.
- (4) Bids received after due date & time shall be summarily rejected.
- (5) The "Financial bid" of those bidders whose technical bids have qualified will only be opened.
- (6) Rate must be quoted in Indian Rupees only net in figures & words inclusive of taxes, levies, cartage handling, loading, unloading etc.
- (7) Delivery: - F.O.R. IGDTUW, Kashmere "gate Delhi-110006
- (8) Manufacturer should have authorized service centre in Delhi/NCR.
- (9) Delivery period:- 45 days from the date of supply order.
- (10) The EMD of unsuccessful bidders shall be refunded immediately.
- a. (11) The successful bidder have to submit a Performance Security Deposit @ 10% of the quoted value in the form of Demand Draft/Pay order/FDR drawn in favour of "**Registrar, IGDTUW GIA SB A/C**" Delhi within 7(seven) days of the communication accepting the bid. EMD shall be adjusted toward Performance Security Deposit. The Performance Security Deposit shall be refunded without interest after completion of the guarantee period +two months.
- (12) In case the successful bidder fails to deposit the Performance Security within the stipulated 7 (seven) days of the communication accepting the bid, the EMD shall be forfeited to IGDTUW absolutely.
- (13) In case the successful bidder fails to supply the item(s) within the delivered period, a sum equal to 0.5% of the contract price per week or part thereof until the actual delivery subject to maximum of 10% of the value of supply order shall be deducted.

- (14) *The payment will be made after delivery and satisfactory installation of the equipment.*
- (15) *Taxes etc., if any, leviable shall be deducted at source.*
- (16) *The validity of the bid will be 120 days from the date of opening of financial bids. During the validity period, the successful bidder shall not be allowed to withdraw. In case of withdrawal, the EMD. EMD shall be forfeited to IGDTUW absolutely and no claim shall be admitted in this regard. Such bidder shall not be allowed to participate in the re-quotationing process.*
- (17) *The rates of successful bidder will be valid for 12 months from the date of issue of letter of acceptance.*
- (18) *University reserves the right to reject any or all the bids or accept them in part or reject the lowest bid without assigning any reason.*
- (19) *Unauthorized substitution or materials delivered in error of wrong description or quality or supplied in excess quantity or rejected goods shall be returned to the bidder at bidder's cost & risk.*
- (20) *Warranty of equipment/Machinery should be at least 2 years from the date of supply of Equipment/machinery. Proper training of 3-4 persons for 3 to days should also be provided. The arrangement of consumables and other materials during training shall be the responsibility of vendor.*
- (21) *The successful bidder shall make all arrangements towards safe and complete delivery at the designated location indicated in the supply order. Such responsibility on the part of the bidder will include taking care of insurance, freight, state level permits etc. as applicable.*
- (22) *In case of any dispute relating to meaning, scope, manufacturing, operation or effect of this contract or the validity or the breach thereof, University and the contractor shall make every effort to resolve amicably by direct discussion/negotiation.*
- (23) *In case the dispute cannot be settled amicably within 30 days of the raising of dispute by either party, either party may seek settlement of the dispute by arbitration in accordance with the provisions of the Arbitration & Conciliation Act, 1996 and the award made in pursuance thereof shall be binding on all the parties. The sole arbitrator shall be appointed by Vice Chancellor, IGDTUW.*
- (24) *The performance under this contract shall not be stopped for any reason whatsoever during the said dispute/proceedings unless the contractor is specifically directed to do so by the University.*
- (25) *The venue of arbitration proceedings shall be Delhi/New Delhi. The language of proceedings shall be English. The law governing the substantive issues between the parties shall be the Laws of India. All disputes are subject to Jurisdiction of Delhi Courts only.*
- (26) *It is also a term of the contract that if any fee payable to the arbitrator, shall be paid equally by both the parties. It is also a term of the contract that the arbitrator shall be deemed to have entered in the reference on the date he/she issues notice to both the parties calling them to submit their statement of claims and counter statement of claims.*
- (27) *Force Majeure.*
For purpose of this clause, 'Force Majeure' means an event beyond the control of the contractor and not involving the contractor's fault or negligence and not foreseeable. Such events may include, but are not limited to, acts of the University either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargo.
If a Force Majeure situation arises, the contractor shall promptly notify the University in writing of such conditions and cause thereof. Unless otherwise directed by the University in writing, the contractor shall continue to perform its obligations under this contract as far as reasonably practical and shall seek all reasonable alternative means for performance not

prevented by Force Majeure event.

This NIT has also been uploaded on University website

Financial Bid

Name of work:- Supply of :

1. Single Slot USB Chassis for data Acquisition Card, with powerchord
2. 4- Slot USB Chassis for data Acquisition Card, with power chord
3. 4 Channel Universal Analog Input Module
4. 4 Channel (For Torque and Load Cell)
5. 4 channel Thermocouple module
6. 4 Channel, RTD Module
7. 4- Channel, (for position & displacement)
8. 4- Channel, Analog output Module
9. 8- Channels, Digital output Module with LED's
10. Virtual Instrumentation and control software (Professional), Perpetual License
- 11. Sensors:**

Sr. No.	Description	Specification	Qty	Unit rate	Amount In figure	Amount in words
1.	Single Slot USB Chassis for data Acquisition Card, with power chord	Form Factor Card Operating System/ Target Number of Solid in Chassis Total Power Input Voltage Range Counters/ Resolution High- Performance data Streams	USB, Compact Data Acquisition Real- Time, Windows 1 2.6 W (approx) 4.75V- 5.25V (approx) 4/32 Bits 6	8		
2.	4- Slot USB Chassis for data Acquisition Card, with power chord	Form Factor Card Operating System/ Target USB Power	USB, Compact Data Acquisition Real- Time, Windows External -Power	1		

		Number of Solid in Chassis 4 Total available Power 15 W (approx) Input Voltage Range 9V- 30V (approx) Counters/ Resolution 4/32 Bits				
3.	4 Channel Universal Analog Input Module	General Future 1. Built – in quarter, half, and full- bridge support 2. Built- in voltage and current excitation 3. Thermocouple, RTD, resistance , voltage, and current measurement Analog Input Channels 4, 0 Resolution 24 bits Sample Rate 100 S/s (approx) Maximum Voltage Range -60V -60V (approx) Maximum Current Range -0.025A- 0.025A(approx) Simultaneous Sampling Yes Excitation Voltage 2V , 2.5V (approx) Bridge configuration Full Bridge ,Quarter Bridge, Half Bridge	1			
4.	4 Channel (For Torque and Load Cell)	General Futures 1. Smart- senser (TEDS) compatible 2. -40to 70° C operating Range Operating Systems / Target Real Time, Windows Single Conditioning Bridge completion, Voltage excitation Analog Input Channels 4 ,0 Resolution 24bits with RJ 50 connectors Sample Rate 50 KS/(approx) Maximum Voltage Range -25 MV/ V -25 MV/V (approx) Simultaneous Sampling Yes Excitation Voltage 2V, 5V, 3.3V, 2.5V, 10V(approx.) Bridge Configurations Half Bridge, Full Bridge, Quarter Bridge	1			

5	4 channel Thermocouple module	<p>General Futures</p> <ol style="list-style-type: none"> 1. 4 Thermocouple of ± 80 mV analog inputs 2. 24-bit resolution Hz noise rejection 3. Hot- swappable operation 4. -40 to 70°C operating range <p>Operating Systems/Target Real- Time, Windows Measurement Type Temperature, Thermocouple , Voltage Single conditioning Cold- Junction compensation Analog Input Chennels 4, 0 Resolution 24bits Sample rate 14S/s (approx.) Max. Voltage 80 mV (approx.) Maximum Voltage Range -80mV -80mV (approx.)</p>	1			
6	4 Channel, RTD Module	<p>General future</p> <ol style="list-style-type: none"> 1. 4 100Ω RTD analog inputs 2. 3 and 4 –wire RTDs ; built in excitation and automatic detection <p>Operating System / Target Real Time, Windows Measurement Type Temperature, RTD Analog Input Channels 4, 0 Resolution 24 bit Sample Rate 400 S/s (approx.) Simultaneous Sampling No Excitation Current 1 mA (approx.)</p>	1			
7.	4- Channel, (for position & displacement)	<p>General futures</p> <ol style="list-style-type: none"> 1. 250 Vrms channels –to – channel isolation (screw terminals) 2. Dynamic range of 128 dB (approx.) <p>Form factor Compact DAQ, Compact RIO Operating System / Target Real Time, Windows Single conditioning Anti- aliasing filter Analog Input Channels 4, 0 Resolution 24 bit Sample Rate 50 KS/s (approx.) Maximum Voltage Range -60 V -60V(approx.)</p>	1			

		Simultaneous Sampling Yes				
8.	4- Channel, Analog output Module	<p>General Futures</p> <ol style="list-style-type: none"> Dynamic range of 128 dB <p>Form factor Compact DAQ, Compact RIO</p> <p>Operating System / Target Real Time, Windows</p> <p>Single conditioning Anti- aliasing filter</p> <p>Analog Input Channels 4, 0</p> <p>Resolution 24 bit</p> <p>Sample Rate 50 KS/s (approx.)</p> <p>Maximum Voltage Range -60 V -60V(approx.)</p> <p>Simultaneous Sampling Yes</p>	1			
9.	8- Channels, Digital output Module with LED's	<p>General futures</p> <ol style="list-style-type: none"> 8- channels,100 μs (approx.) digital output D-Sub or screw –terminal connector options Hot- swappable operation Extreme industrial certifications/ ratings -40 to 70°C operation range <p>Form factor Compact DAQ, Compact RIO</p> <p>Measurement Type Digital, Specialty Digital</p> <p>Maximum clock Rate 10 KHz(approx.)</p> <p>Logic Levels 24 V, other, requires External</p> <p>Power Supply</p> <p>Output current flow Sourcing</p> <p>Current Drive Single 0.75A (approx.)</p> <p>Current drive all 6A (approx.)</p> <p>Supports Handshaking I/O ? Yes</p> <p>Support Pattern I/O ? Yes</p> <p>maximum output range 6V -30V (approx.)</p>	2			
10.	Virtual Instrumentation and control software (Professional), Perpetual License	<p>(Perpetual)Academic site license including following toolboxes: Robotics Module, Soft motion Module, Control Design and simulation, controls and Embedded, Modulation Toolkit, VI Analyzer Toolkit, vision Development Module, Sound and Vibrations measurements Suite, Real Time module, FPGA Module,</p>	25users			

		Internet Toolkit, Real Time Module, FPGA Module, Single Express				
11.	Sensors: (Following Sensors should be supplied along with above equipments preferably ISO certified make) Thermocouples (02 Nos.), RTs (02 Nos.), Strain Gauge (02 Nos.), Load Cell (01nos.), LVDT (01 Nos.), RVDT (01 Nos.), Pressure gauge (01 Nos.)(, Level Sensor (01 nos.).					

TECHNICAL BID FORM

(Technical Bid should be kept in separate sealed cover super scribing "Technical Bid" on it).

Name of Work: Supply of :-

1. Single Slot USB Chassis for data Acquisition Card, with power chord
2. 4- Slot USB Chassis for data Acquisition Card, with power chord
3. 4 Channel Universal Analog Input Module
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10. Virtual Instrumentation and control software (Professional), Perpetual License
- 11. Sensors:**

1. Name of the firm

2. Details E.M.D. 1. -----

3. Letter addressing to Registrar, IGDTUW" mentioning item/Items to be quoted.

4. Technical specifications of the items duly typed and signed (please do not use copy of specifications given in tender document)

5. Catalogue/Picture of item(s) if any.

6. Copy of the one purchase order for each year of last three year

7. Certificate of authorize dealership /authorized distributorship.

9 Under taking

a. that it has not been barred or blacklisted by any of the Central/State government/Departments/Organizations/Central or State PSU

b. that it will ensure fair trade practice.

c. that the proprietor/partners of the agency do not have any relative employed with IGDTUW University.

10. Copy of VAT Registration Certificate

11 Copy of PAN Card

12. Annual Turnover dully supported by copy of Annual Accounts certified by the Chartered Accountant of last three years.

Date:

(Name & Signature of Tenderer
with Seal of the Agency)

