

**INDIRA GANDHI INSTITUTE OF TECHNOLOGY**

Guru Gobind Singh Indraprastha University,
Kashmere Gate, Delhi – 110403.
(Purchase Branch)
Phone : 011-23900225
011-23900188



F.No. IGIT/AR/PUR/ECE/2011-12/911

Dated : 29-12-2011

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NOTICE INVITING TENDER

Sealed tenders are invited from the manufacturers or its authorized dealers/distributors **for the supply and installation of Lab Equipments for Analog Electronics Lab to Prof. S.B. Jain, HOD, ECE, Electrical Block, Indira Gandhi Institute of Technology, GGSIP University, Kashmere Gate Campus, Delhi – 110 403**

Name of Work	Supply of Lab Equipments for Analog Electronics Lab in the Electronic and Communication Department of Indira Gandhi Institute of Technology
Last Date, Time and Venue for submission of quotation	Latest by 19/01/2012 (Thursday) at 03:00 p.m. in the office of Prof. S.B. Jain, HOD, ECE, Electrical Block, Indira Gandhi Institute of Technology, GGSIP University, Kashmere Gate Campus, Delhi – 110 403
Opening of offers in presence of the authorized representatives of bidders, if any.	19/01/2012 (Thursday) at 03:30 p.m. in the above mentioned place

This enquiry has also been uploaded on University website (www.ipu.ac.in). Please super scribe the sealed envelope containing quotation with reference no. of the quotation and quotation for Supply & Installation of Lab Equipments for Analog Electronics Lab in the Electronic and Communication department of IGIT. Detailed Specifications and quantity are as follows:

S.No.	Item Name & Specification	Qty.	Earnest Money Deposit	Unit Price	Total Amt. (incl. taxes)
1.	<u>INTEGRATED 30 MHZ OSCILLOSCOPE WITH FUNCTION GENERATOR</u> ➤ 30 MHz Dual Trace Oscilloscope ➤ Component & Continuity Tester ➤ 2 MHz Function – Pulse Generator with AM balance, AM standard & FM modulation. ➤ Sine, Square, Triangle, Ramp, Pulse outputs ➤ Power Supply: ± 12 V & 5 V ➤ Bandwidth: DC – 20MHz (- 3 dB) DC – 28 MHz (- 6 dB) ➤ Mains Supply: 230 V ± 10%, 50 Hz. 60 Hz on request ➤ Power consumption: 50 VA (approx.)	05	4300/-		
2.	<u>BNC TO CROCODILE CABLE</u> ➤ BNC Connector: Gold Plated connector ➤ Length: 1 meter coaxial cable with Two Crocodile clips on one end & gold plated BNC connector on other end.	20	300/-		
3.	<u>BNC TO BNC CABLE</u> ➤ BNC Connector: Gold Plated connector on both sides ➤ Length: 1 meter coaxial cable with Two gold plated BNC connector on both ends.	20	300/-		

4.	<p><u>Breadboard Trainer</u></p> <ul style="list-style-type: none"> ➤ DC Power Supply: + 5V – 1A (Fixed), ± 15 V 1A (Fixed), ± 15 V 200 mA (Variable) ➤ AC Supply: 5 V – 0 V – 5 V, 10 V – 0 V – 10 V. Can be used as 5V, 10V, 15V, 20V and also as center tap. ➤ Sine / Square / TTL Generator: Frequency range 10 Hz to 1 MHz in steps and variable in between steps. ➤ Output : Sine wave – 15V p-p Square wave – 10V p-p TTL – 5V ➤ Fixed TTL (Clock): 0.1 Hz ➤ Data switches: 8 nos. (Toggle switches for High / Low TTL levels) ➤ LED Display: 8 nos. (for High / Low TTL levels indication) ➤ Logic Prod: Logic level indicator for TTL (7 seg.) ➤ Potentiometers: 6 nos. (100 Ω to 47 KΩ) ➤ Speakers: 8 Ω for audio use ➤ Mains Supply: 230 V ± 10%, 50 Hz. 60 Hz 	5	2200/-		
5.	<p><u>BENCH TOP DIGITAL MULTIMETER</u></p> <ul style="list-style-type: none"> ➤ 4 ½ digit range LCD display with backlight. ➤ DC voltage range : 2000 mV, 2V, 20V, 200V, 1000V, Accuracy ± (0.05 % Rdg +3) ➤ AC voltage range : 200 mV, 2V, 20 V, 200 V, 750 V, Accuracy ± (0.08 % Rdg +8) ➤ DC Current range : 20 mA, 200 mA, 2 A, 20 A, Accuracy ± (0.35 % Rdg +10) ➤ AC Current range : 200 mA, 2 A, 20 A, Accuracy ± (0.8 % Rdg +80) ➤ Resistance range : 200 Ω – 20 MΩ, Accuracy ± (0.1 % Rdg +20) ➤ Capacitance range : 20 nF to 200µF, Accuracy ± (3.5 % Rdg +20) ➤ Frequency range : 20 KHz – 200 KHz, Accuracy ± (1.0 % Rdg +20) ➤ hfe measuring ➤ diode and continuity test 	05	600/-		
6.	<p><u>MULTIPLE POWER SUPPLY</u></p> <ul style="list-style-type: none"> ➤ DC Output: <ul style="list-style-type: none"> A. 0 - 30 V. 1 A continuously variable by means of coarse & fine controls. B. 5 V, 1 A Adjustable from 4 – 6 V. C. ± 15 V, 1 A adjustable by means of coarse & fine controls. ➤ Current Limit: 20 mA – 1 A, continuously adjustable. ➤ Mains Supply: 230 V ± 10%, 50 Hz.(60 Hz on request) 	05	2100/-		
7. "	<p><u>DIODE & ZENER DIODE CHARACTERISTICS KIT</u></p> <ul style="list-style-type: none"> ➤ Built in 0 to +/-12V / 250mA Variable Voltage Source ➤ 18V /50Hz AC Source ➤ Resistors ➤ Diode (Ge, Si, Zener) ➤ 4 mm sockets for test points & to measure voltage 	02	400/-		
8.	<p><u>TRANSISTOR CHARACTERISTICS KIT</u></p> <ul style="list-style-type: none"> ➤ Built in 0 to +12V / 250mA Dual Variable Voltage Source ➤ Study CE, CB & CC Configuration ➤ 4 mm sockets for test points & to measure voltage 	02	400/-		

9.	FET CHARACTERISTICS KIT ➤ Built in 0 to +12V / 250mA Dual Variable Voltage Source ➤ 4mm Socket for test points & to measure the Voltage	02	400/-		
10.	SINGLE STAGE RC COMMON EMITTER TRANSISTOR AMPLIFIER KIT ➤ Built in +12 V / 350mA DC Power Supply ➤ NPN Transistor Amplifier ➤ 4mm Socket for test points & to measure the Voltage	02	200/-		
11.	TWO STAGE RC COUPLED AMPLIFIER KIT ➤ Built in + 12V / 350mA DC Power Supply ➤ 2- Stage Transistor CE amplifier ➤ 4mm Socket for test points & to measure the Voltage	02	200/-		
12.	RECTIFIERS & FILTERS (HALF WAVE, FULL WAVE & BRIDGE TYPE , WITH/WITHOUT CAPACITORS FILTERS) ➤ AC source ➤ Half wave, Full wave & Bridge rectifiers ➤ Filter sections ➤ 4mm Socket for test points & to measure the Voltage	02	300/-		

Terms and conditions.

1. Sealed tenders super scribed with the name of the equipments addressed to Prof. S.B. Jain, HOD, ECE, Electrical Block, Indira Gandhi Institute of Technology, GGSIP University, Kashmere Gate Campus, Delhi – 110 403.
2. The vendor/supplier should be a registered firm, should possess PAN, TIN (VAT)/Sales tax and service tax as applicable.
3. Only a manufacturer or its authorized distributor/dealer/supplier may participate in the bid, enclosing the proof of authorization and other credentials of the firm in India.
4. The firm should have ideally supplied the equipment being quoted elsewhere and should provide a list of users with their contact details, including phone/email.
5. The tender will follow a simultaneous two bid system. One the technical bid and the other financial bid (where there will be only the cost of the equipment, the cost of spares and cost of add on items will be quoted.). The final cost should be very clear and there should not any hidden cost i.e. there should not be any ambiguity in the total cost. The financial bid will be sealed in a separate cover, super scribed "**FINANCIAL BID**" and will be inserted in the big sealed cover along with the technical bid and EMD.
6. The EMD (refundable) should be in the form of demand draft/FD in favour of the Principal, IGIT payable at Delhi.
7. The specifications must provide full details as declared by the manufacturer, preferably enclosing manufacturer's brochure/catalog/literature. Specifications of the equipments which are less than the stipulated ones in the tender will not be considered.
8. A compliance/deviation statement for all specifications mentioned here must be provided with each quotation.
9. The tender should mention the life of the equipment, the availability of spares, the local technical support, after sales service, the cost involved in the AMC and Comprehensive AMC, free services etc. if any.
10. A letter of authority from the original manufacturer for sale and service of the equipment.
11. The tender may be rejected in full or any part at the discretion of the university.
12. An affidavit on non judicial stamp paper worth Rs. 100/- stating that (1) the firm has not been debarred/blacklisted by any university/autonomous organization/ govt./semi govt. organizations. (2)will observe fair dealing in the business and that this equipment has not been sold for less than the price quoted, (3) has no personal dealing with any of the employees of this university.
13. No Advance will be given.
14. The payment will be made after supply and satisfactory installation of the equipment.

15. The successful bidder who has not completed the requirement of BG within the stipulated time the EMD will be forfeited and likely to be debarred from further participation in any bid in the university.
16. The firm will facilitate the inspection team to visit the premises as and when required by the committee. However, the expenses will be met by the purchasing organization.

Validity

17. The rates should be valid for at least six months from the date of opening of the tender.

Warranty/Guarantee

18. On sight warranty and guarantee of the equipment should be two year after installation.
19. The successful bidders will have to submit a performance guarantee of 10% of the quoted price in the form of FD/BG which should have a validity of three months beyond the warranty/guarantee within ten days from the day of confirmation of the tender.

Time period for the supply

20. The equipment should be supplied within four weeks.

Penalty

21. The equipment is to be supplied on the stipulated time frame. A penalty of 0.5% of the purchase order will be charged for the delay per week or a part thereof. The penalty will be charged to a maximum of 5% of the supply order. The same is also applicable for not supplying the equipment in good condition as stipulated in the purchase order as per specification.
22. In case of the supply of defective/damaged equipments, the firm will remove the same and replace it with brand new equipment with the said specification in good working condition at the cost of the firm/supplier. No extra cost to this effect will be born by this university. No rectification or repair will be permitted during the time of installation.
23. The penalty will be deducted from the bill, and if, the equipment is not supplied as per the specification, the penalty will be recovered from the EMD/performance security/other payment pending in the university.
24. In case of non supply/defective supply the university may also take strict action like debar or blacklist the firm from participation any tender process in this university.

Rejection of the tender.

25. The bid without bid security (EMD) will summarily be rejected.
26. The bid without the documents required as mentioned in the technical bid are likely to be rejected.
27. Late tender(s) will not be accepted.
28. There should not be two prices for the same equipment, which will summarily be rejected.
29. No separate covers other than the consolidated sealed cover for tender will be accepted.
30. The terms and conditions other than those stipulated in the above tender will not be considered. The conditional tenders are likely to be rejected.
31. The tender may be rejected in full or any part at the discretion of the university.

Legal

32. All the disputes are subjects to the jurisdiction of Delhi only.

(Vijay Kumar)
Purchase Officer, IGIT

TECHNICAL BID

The technical bid should be in the following format.

1. Name and address of the bidder
2. Telephone No., Mobile number and Fax number and Email address
3. Status of the firm
 - i) A proprietary firm
 - ii) Partner ship firm
 - iii) Limited company or corporation
4. Particulars of registration with various govt. offices/bodies
5. PAN number with a copy of the latest return
6. TIN/Sales tax number with a copy of the latest return
7. Service tax number, if any with a copy of the latest return
8. Address of the manufacturing Unit/plants with telephone numbers, mobile numbers, fax numbers and email address.
9. Earnest money deposit as prescribed against each item in the form of DD/FD in favour of Principal, IGIT payable at Delhi.
10. The copy of the terms and conditions as given in the tender with the signature and seal of the dealer/proprietor/manufacturer.
11. The Certificate of Dealership or Distributor or Manufacturer indicating the person is Manufacturer, Dealer or Distributor.
12. A letter of authority from the original manufacturer for sale and service of the equipment.
13. A certificate from the manufacturer certifying the guarantee/warrantee period on the equipments and the spares.
14. The firm should provide a list of users with their contact details, including phone/email.
15. The after sales service should be clearly mentioned (i.e. the life of the equipment, the availability of spares, the local technical support, the cost involved in the AMC and Comprehensive AMC, free services if any etc.)
16. Undertaking on non judicial stamp paper worth Rs. 100/-
 - i) The firm has not been debarred or blacklisted by any Govt./semi govt./autonomous organization/Public Sector Undertakings.
 - ii) It will ensure fair trade practice (where it will be mentioned that this equipment has not been sold for less than the price quoted)
 - iii) The firm has no personnel dealings with the officials of the University.
17. The technical specification along with the literature of the equipment without mentioning any cost should be given in the format given below. If any add on items other than the specifications mentioned in the tender may also be mentioned separately.

Name of the equipment	EMD
Specifications	

Signature and seal of the authorized signatory

FINANCIAL BID (put up in a separate envelope)

Will consists of the duly filled Financial Bid, cost including the taxes and should be FOR. The rate of taxes will be shown separately. In case of any add on items/optional items other than the specifications mentioned in the tender the cost should be mentioned separately. In the case of imported equipments the cost of the equipment should be mentioned in that foreign currency with the exchange value of Indian rupee. The rate of FOB and other charges should clearly be mentioned in the given format :

Name of the equipment		EMD	
Specifications	Price	Tax	Total price

(Signature)

(seal)