

PUSSGRC Tender No. PUSSGRC/PU/Equipment/2012/7

**PANJAB UNIVERSITY SWAMI SARVANAND GIRI REGIONAL CENTRE
SADHU ASHRAM, ALLHABAD, UNA-HSP ROAD, HOSHIARPUR**

(PHONE NOS. 01882-236618, 237617-FAX-01882-282221)

TENDER DOCUMENT FOR PURCHASE OF EQUIPMENT

TENDER NOTICE NO. : PUSSGRC/PU/Equipment/2012/7



LAST DATE FOR RECEIPT OF TENDER: **09-07-2012 BY 4:00 PM (At UIET, PU, Chd)**
DATE & TIME OF OPENING : **12-07-2012 BY 12.00 Noon (At PUSSGRC, Hoshiarpur)**

PRICE-Rs. 500/-

**PANJAB UNIVERSITY SWAMI SARVANAND GIRI REGIONAL CENTRE
SADHU ASHRAM, ALLHABAD, UNA-HSP ROAD, HOSHIARPUR
(PHONE NOS. 01882-236618, 237617-FAX-01882-282221)**

TENDER DOCUMENT FOR PURCHASE OF EQUIPMENTS

TENDER NOTICE NO. : PUSSGRC/PU/Equipment/2012/7
DUE DATE : **09-07-2012 by 4.00 P.M. (at UIET, P.U., Chd)**
DATE AND TIME OF OPENING : **12-07-2012 by 12.00 Noon (at PUSSGRC, Hspr.)**
NAME AND ADDRESS OF : _____
TENDERER : _____
TELEPHONE NUMBER, FAX : _____
AND E-MAIL ADDRESS OF : _____
THE TENDERER

TENDER PURCHASE DETAILS:

(i) In cash Rs. 500/- (Amount deposited in State Bank of India, Hoshiarpur
Account No. **30045412908** Vide Scroll No. _____ Dated _____)

(ii) Rs. 500/- by (If the Tender Downloaded from internet)
Demand Draft No. _____ Date _____

(iii) Rs. 600/- by Demand Draft No. _____ Dated _____
Name of Bank: Amount: _____

EARNEST MONEY DETAILS:

(i) By Demand Draft No. _____ Dated _____
Name of Bank: _____ Amount: _____

(ii) By TDR/CDR No. _____ Dated _____
Amount _____ No. _____

**TENDER DOCUMENT FOR PURCHASE OF EQUIPMENT FOR PANJAB
UNIVERSITY SSG REGIONAL CENTRE, HOSHIARPUR**

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SECTION – I

Invitation for Bids, General Rules and Terms & Conditions for Tender

1. This invitation to tender is for the supply of different type of equipments for use by the students in various laboratories in PUSSGRC, Hoshiarpur. The tender is liable to be rejected because of any misrepresentation by the firm.
2. The requirements of the Institute in terms of category of Software/equipment, detailed specifications and quantity are given in the enclosed list. Any change in the terms which are beneficial to the University can be carried out before the opening of the commercial bids.
3. The tender documents (non-transferable) should be purchased from the institute by depositing the amount in cash with the State bank of India, Mandi Area Branch, Hoshiarpur in **C/A No. 30045412908** and a receipt obtained for the same. In case, the tender document is obtained by post by sending a demand draft, favoring the Director, PUSSGRC, Hoshiarpur, mentioning therein the DD Number and date in the space provided on the previous page. Tenders will be rejected in case the tender document has not been purchased from the Institute and in case of downloading from Internet, if draft of Rs.500/-is not attached.
4. Tenderers are advised to study all pre-qualification, technical and commercial aspects carefully of the tender document. Submission of Tender shall be deemed to have been done after careful study and examination of the Tender Document with understanding of its implications.
5. Sealed offers prepared in accordance with the procedure enumerated in Clause 1 of Section II, giving full detailed specifications of the equipment, should be submitted to **Director, PUSSGRC, C/o University Institute of Engineering & Technology (UIET), Panjab University, Sector 25, Chandigarh** not later than the date and time laid down, at his address given in the schedule for invitation to Tender.
6. The categories of items and quantity indicated in the Tender Document are tentative. Director, PUSSGRC, Hoshiarpur reserves the right to increase or decrease the quantity or

delete some or all of the items depending on the needs of the institute without assigning any reasons. Other departments of the University can also place orders for the supply of the equipment/material/software mentioned in this tender document on the rates once finalized. Repeat orders on the rates finalized can also be placed with the successful /approved firms.

7. The tenderer should indicate specifically the Basic Price, Custom duty/Excise duty, other duties (if any), and levies chargeable quantitatively against each item. No additional information will be entertained after due date. Director, PUSSGRC, Hoshiarpur, may reject tenders if they do not carry such information separately and specifically quantitatively.
8. The bids should indicate clearly that the rates are F.O.R. PUSSGRC, Hoshiarpur.
9. **The tender should be submitted in Three cover system i.e. a, b and c. There should be proper indication of the contents on each envelope as indicated in clause 1.1 of section II.**
10. In case the Earnest Money is paid by Demand Draft/TDR, the draft/TDR must be in a separate sealed envelope indicating the amount, tender Notice Number and due date and enclosed with the bid.
11. The tenderer should clearly indicate the delivery period and validity period of tender, which in no case should be less than 90 days.
12. The tenderer should clearly indicate the availability of service and maintenance facilities at Chandigarh for the items quoted.
13. The above mentioned details particularly the VAT, Sales Tax, custom duty/excise duty, any other duty/tax, if not quoted properly, the bid can be cancelled.
14. **The tenderers are required to quote for each item separately in terms of basic price and all other charges.** Prices can be quoted in Indian as well as in Foreign Currency.
15. The Tender should be submitted alongwith Earnest Money @ 2% of the estimated quoted price in the shape of Draft/Term Deposit/Call Deposit Receipt **valid for a minimum period of 6 months** in favour of Director, PUSSGRC, Hoshiarpur. In all cases the interest of the , PUSSGRC, Hoshiarpur should be safeguarded, if in any case at a later

stage the EMD is required to be forfeited because of non-supply/non-providing of demonstration and for any other fault of the firm. **Tenders not accompanied by Earnest Money or incomplete in any respect will be rejected outright.**

16. The Tenderer must indicate the list of prominent institutions /organizations particularly in and around Chandigarh, where the same equipment has been supplied during the last three years.
17. The Tender must be submitted along with the copies of :
 - Manufacturers license or authority from the manufacturer
 - Latest Income Tax Clearance Certificate
 - Sales Tax Registration Certificate
18. **The Director, PUSSGRC, Hoshiarpur reserves the right to reject any or all tenders without assigning any reason whatsoever.**
19. The tenders will be opened on the date and time indicated in the presence of tenderers if any present on the occasion. If the date of opening is declared to be a holiday the tenders will be opened on the next working day. **The University will not be responsible for any delay in the submission of the tender document by the postal authorities/courier companies, which is received after the last date/time.**
20. **No advance payment or payment against Performa invoice will be made. 90% payment will be made after receipt, inspection, installation/testing on certification by the concerned teacher/Lab Incharge. Balance 10% payment will be released after satisfactory performance. The firm can be asked to give the demonstration of the equipment even before the order is placed with it.**
21. In case, the item(s) is/are to be imported for supply, irrevocable letter of credit will be opened with the Bank/SWIFT payment will be made. The Institute's Banker is State Bank of India, Mandi Area Branch, Hoshiarpur. **In case the AWB is supplied late by the firm, the demurrage levied, if any by the Airport authorities will be borne by the firm.**
22. All damaged or unapproved goods shall be returned at the Tenderer risk and cost and the incidental expenditure thereupon shall be recovered from the concerned party.

23. Printed conditions of the firm sent alongwith the quotation, if any, shall not be binding on us.
24. Packing list must be put in all packages.
25. All charges e.g. packing, freight, insurance etc., if payable, in terms of Tendered quotation and accepted by us should be supported by voucher/money receipts etc.
26. On acceptance of tender, the date of delivery should be strictly adhered to otherwise the Director, PUSSGRC, Hoshiarpur reserves the right not to accept the delivery in full or in part and to claim **liquidated damages @1% per month** of the value of the order unless extension has been granted by the Director, , PUSSGRC, Hoshiarpur specifically. In case the order is not executed within the stipulated period, the Institute will be at liberty to make purchases through other sources at the risk and cost of the defaulting firm, and forfeiture of the earnest money of the Tenderer besides claiming damages.
27. No claim on account of payment of octroi etc. within the limits of the Municipal Corporation, Hoshiarpur shall be accepted.
28. Payment of bill will be made through/by crossed account payee Cheque drawn on the State Bank of India, Panjab University, Chandigarh, on receipt of the articles in good condition. The decision to purchase of each item is taken independent of other items quoted by the firm. It is not binding on the institute to purchase all the items quoted by any particular firm.
29. Schedule for invitation to Tender.
 - A) Address at which Tender is to be submitted:
**Director, PUSSGRC, Hoshiarpur
C/o University Institute of Engineering & Technology (UIET),
Panjab University, Sector 25, Chandigarh.**
 - B) **Last Date and time for receipt of Tender : 09-07-2012 BY 4:00 PM**

SECTION – II

Procedure for Submission of Bids

1. There will be three Cover System for this tender
 - a. Pre-qualification documents (in duplicate) in one cover.
 - Pre qualification will required
 - Sale Tax No.
 - I.T. clearance
 - Authorization from OEM if applicable
 - EMD draft/Call deposit receipt.
 - b. Technical Bid (in duplicate) in one cover.
 - c. Commercial bid (in duplicate) in one cover.
2. Each copy of the Pre-qualification document should be covered in a separate sealed cover super scribing the word: 'Pre-qualification document': Each copy should be marked as "Original Copy" and 'First copy'. Both should be put in a single sealed cover super scribing the wordings 'Pre-qualification document'.
3. Each copy of Technical Bid of the Tender should be covered in a separate sealed cover super scribing the wordings "Technical Bid". Each copy should be marked as "Original Copy" and "First Copy". Both should be put in a single sealed cover super scribing the wordings "Technical Bid".
4. Each copy of Commercial Bid of the Tender should be covered in a separate sealed cover super scribing the wordings "Commercial Bid". Each copy should be marked as "Original Copy" and "First Copy". Both should be put in a single sealed cover super scribing the wordings "Commercial Bid". Commercial Bid should only indicate prices (Preferably item-wise).

5. All the three documents viz. Pre-qualification, Technical Bid Cover and Commercial Bid Cover prepared as above are to be kept in a single sealed cover super scribed with Tender Number, Due date and the wordings **“DO NOT OPEN BEFORE 12:00 noon on 12-07-2012”**.
6. The cover thus prepared should also indicate clearly the name and address of the tenderer to enable the Bid to be returned unopened in case it is declared “late”.
7. Each copy of the tender should be a complete document and should be bound as a volume. Different copies must be bound separately.
8. The bids prepared by the Tenderer and all correspondence and documents relating to the bids, shall be written in English language and any printed literature furnished by the Tenderer written in another language must be accompanied by English translation, failing which, tender is liable to be rejected.

Requirement of Mechanical Lab			
Sr. No.	Name of Equipment	Specification	Qty
1.	Variable Speed Polisher	<p>Specifications are:-</p> <ol style="list-style-type: none"> 1) 8 inch double disc polisher. 2) Corrosion proof cabinet. 3) Corrosion resistant washbowl free flow drain. 4) Variable speed 50-1000 rpm. 5) Flexible water jet with control valve. 6) Aluminum wheel 8 inch (interchangeable) 7) Stainless steel holding ring press type. 8) Front control panel with feather touch buttons. 9) ON-OFF Switch arrangement. 10) Consumables for polishing (one dozen fine grade emery papers, polishing cloth, Diamond paste). <p>Supplier shall give a technical catalogue/ operating instructions of the proposed equipment. The concerned committee shall carry the pre-inspection of the variable speed polishing machine at supplier's work place. Supplier shall be responsible for service after sale. The variable speed polisher/grinder shall be guaranteed for trouble free/ satisfactory operation for a period of at least 12 months from the date of commissioning.</p>	01
2.	Inverted Microscope with imaging Analyzing Software	<p>Objectives: 10X, 20X, 40X, 100X (Oil or Dry) Eyepieces: Widefield WF-10X Magnification Range: 100X-1000X (standard) Magnification Changer: Quadrupule ball bearing revolving changer for perfect alignment, suitable observation Tube. Illumination: Built in Koehler's incident illuminator with suitable halogen lamp, field and aperture diaphragm with yellow, green and blue filters. Camera Adaptor: C-Mount lens adaptor. Optical system: UIS2 optical system (infinity-corrected).</p>	01
3.	AUTOCAD software	<ol style="list-style-type: none"> 1) Autocad-2012 2) Auto Desk Licenced-25 No's 3) Raster Design Additional Deliverables includes:- (25 No's) <ol style="list-style-type: none"> i) Auto Desk Design Academy-Curriculum ii) Auto Cad Mechanical Fundamentals Classroom Master. iii) AutoDesk Manufacturing Courseware-Machine Design iv) AutoCAD Update Instructor kit. v) AutoCAD Update. vi) AutoDesk Raster Design Courseware. vii) Free Training for the instructor from AutoDesk. <p>One Year of free software upgrades. Two Free Software upgrades.</p>	25 (Licenses)

Requirement of ECE Lab			
S.No.	Name of the Equipment	Specification	Qty
1.	Optical Fiber Trainer	Fiber optics analog & digital link, optical fiber measurements (test equipments): optical power meter for measurement of optical power & propagation loss. User Manual Warranty: 2 years onsite comprehensive	01
2.	Wavelength Division Multiplexing and De-Multiplexing Trainer	Wavelength Division Multiplexer & De-multiplexer unit with atleast two different Laser Light source as transmitter and receiver, Optical power meter to measure them Warranty: 2 years onsite comprehensive	02
3.	Analog and Digital Fiber Optic Trainer	Transmitter : Fiber Optic LED having two different wavelength of emission with their Fiber Optic Photo detector as Receiver Modulation: AM, FM, PWM. Drivers : Analog & Digital modes AC Amplifier, Clock : Crystal Controlled, PLL detector, Comparator , Filters : 2 Nos. 4 th order Butterworth, 3.4 KHz cut-off frequency Analog Band Width : 350 KHz ,Digital Band Width : 2.5 MHz, Function Generator : Adjustable 1 KHz Sine wave, Adjustable 1 KHz square wave (TTL), Voice Link : F.O. voice link using microphone & speaker (built in) PC-PC Communication : Using 2 channel RS232, Port : RS232 9 Pin Baud Rate : 19200 baud, Fiber Optic Cable : Connector Type Standard SMA, Manual, Warranty: 2 years onsite comprehensive	01
4.	Push Pull amplifier Trainer	To measure Gain and distortion at various points of BJT based Push Pull amplifier. Warranty: 2 years onsite comprehensive	02
5.	Radio Frequency Application board	RF Application board with suitable radio freq range With two sets for Transmitter / receiver sections, With address selection thru two 8 pin Dip switches, on board μ c Based with CPU, with ISP Facility. With Encoder (HT12E), Decoder, ADC with I/Ps from multi-turns potentiometers. 8-bit single channel DAC, atleast 4 k of E2PROM .RTC with battery back-up. Two 12V relays with isolated O/Ps. All interrupts available on header. Dual Display of 16X2 LCD Alphanumeric and 128x 64 Graphic displays.8 I/Ps from DIP switches. 8 O/Ps available on LED's. Two multiplexed 7-segment displays. User Manual, Warranty: 2 years onsite comprehensive	01

6.	Digital Trainer kit	<p>Breadboard: 172.5mm.x128.5mm. Tie Points:1685,DC Power supply: +5V, +12V, 0-12V (variable) with 1 A Pulse Generator: square triangle / sign Frequency range:1Hz to 700KHz variable, Digital DC- Voltmeter Amplitude: 5V (TTL) Pulser Switches: 2 Nos. (Push to On), Solderless IC devices for experimentation, Data Switches: with Input Dual Color LEDs -16 Nos. Seven Segment Display: 4 Nos. Buzzer based Continuity tester, variable resistance value 0 to 10 KΩ 16 No. –Output status LEDs with H/L logic Indications. manual, connecting lead. Warranty: 2 years onsite comprehensive</p>	04
7.	Advance Digital Trainer kit (Programmable)	<p>The system should be based around CPLD with graphical Display , The system should be virtual present of all digital ICs along with their IC diagram. The facility to connect diagram Input & Output to virtual selected IC and show / on the LCD study the output response on LED's,On board digital IC tester. Functional control keypads. On board signal generator from 1 Hz to 1 MHz with 100 ms pulse. Solderless IC devices for experimentation.16 LED output display. On board bread board , relay ,Buzzer 7- segment section manual, connecting lead. Warranty: 2 years onsite comprehensive.</p>	06
8.	MATLAB software	<p>Platform: Windows XP onwards. MATLAB latest version, SIMULINK, Communication Blockset, Communication Toolbox, Data Acquisition Toolbox, Filter Design Toolbox, Neural network Toolbox, Fuzzy Logic Toolbox, Image Processing Toolbox, Image Processing Blockset, Signal Processing Toolbox, Signal Processing Blockset, Control system toolbox, symbolic mathematics Toolbox, Genetic Algorithm Toolbox, Real time workshop Toolbox + POWERSIM. 1. Quote price of each toolbox and Block set separately. 2. All licenses must be perpetual. 3. Free updates for two years.</p>	03/05 User