

**GHULAM ISHAQ KHAN INSTITUTE
OF ENGINEERING SCIENCES AND TECHNOLOGY**

Tender documents

For

**SUPPLY OF
LABORATOR AND WORKSHOP EQUIPMENT**

**No. GIKI/PO/E.ME-502/15
11 February 2015**

The Ghulam Ishaq Khan Institute (GIK) of Engineering Sciences and Technology, located at Topi, District Swabi is a seat of excellence in higher engineering education and research. Sealed bids are invited from reputed firms/suppliers for import of laboratory and workshop equipment:

1. **Specification of items:**

Detail of the items, for which rates are required are given at Annexure-A

2. **Date for submission of the quotation:**

Bids in sealed envelopes, on prescribed tender documents should reach to the Procurement Department, GIK Institute Topi before 3:30 pm on 26 February 2015. Write our inquiry No. GIKI/PO/E.ME-502/14 on the top of the envelope. Open bids will not be accepted.

3. **Tender opening date and venue:**

Tenders will be opened by the Procurement Committee in the presence of bidders at 4:00 pm on the same date (26 February 2015) in the Conference Room of H. U. Beg Administration Block, GIK Institute, Topi - 23640, District Swabi, Khyber Pakhtunkhwa.

4. **Price / rate:**

Please quote unit price for each item on **C&F Islamabad Airport** basis.

5. **Validity of the price:**

Bids should remain valid for two months from the submission date of bids.

6. **Bid Security:**

You are required to enclose the call deposit of Rs.50,000 (refundable) through demand draft/pay order payable on account of GIK Institute, Topi with your bids document.

7. **Mode of Payment:**

Payment will be made through cross cheque subject to deduction of taxes, as per law, within 15 days after acceptance of materials / equipment **OR** payment will be made through letter of credit.

8. **Delivery period:**

Please mention the delivery time after placing the Purchase Order for each item.

9. **Penalty clause:**

If you fail to supply the material in the above specified period, GIK Institute reserves the right to blacklist you for future business or forfeit the security money of 0.32% per day of the contract value or may impose any other financial penalty as deemed fit.

10. **Installation / Commission of the equipment:**

Equipment will be installed / commissioned by the trained engineer (s) of supplier / contractor at GIK Topi, free of charge / are including in the cost.

11. **Warranty:**
Please indicate the warrantee period and terms & conditions of the warranty.
12. Please sign and stamp each page of the tender/bid document; otherwise, it will not be considered / accepted.
13. Bidders having minimum 3 years experience of said work to the reputable organization/ institute/company etc are must.
14. Incomplete forms will not be acceptable and will not be considered in any case, and will be rejected.
15. In case of any dispute the decision of the GIK Institute will be final and binding on you.
16. Bids, will be accepted only, for the specifications given in the Tender (Annexure-A).

For further information:

Director (Procurement) GIK Institute, Topi,
District Swabi. Ph: 0938 281026 (Ext:2500/2213), Email: latif@giki.edu.pk

To be filled by the bidders

1. **Name of bidders:** -----
2. **Address:** -----

3. **Phone:** ----- **Mobile** -----
4. **Fax No.** ----- **E-mail:** -----
5. **NIC Tax No.** ----- **Sales Tax No.:** -----
6. **Branches (if any):** i. -----
ii. -----
iii. -----
7. **Type of Business:** i. -----
ii. -----
iii. -----
8. **Facilities:** i. List of technical staff with qualification and experience
ii. Authorization of distribution / dealership -----
iii. Any other: -----
9. **Monthly Turn Over:** -----
10. **Previous Experience** (name of organization where said or like equipment supplied/installed/commissioned):
i. ----- ii. -----
iii. ----- iv. -----
v. ----- vi. -----
vii. ----- viii. -----

Please enclose any supporting document

Name and signature: - -----

Date: -----

Seal:

| S. No. | Equipments Specification | Qty. |
|--------|---|------|
| 1 | <p>Microwave Trainer (with computer interface capability)</p> <p>Specifications</p> <p>Oscillator variable and fixed frequency (8—12 GHz) 10/8mW power output</p> <p>Waveguide Rectangular</p> <p>Slotted line Scaled in mm Software CD Manual practical assignments</p> | 7 |
| 2 | <p>Transmission Line Demonstrator (with computer interface capability)</p> <p>Specifications Power supply 200-250V set by internal switch, 50-60Hz 13 LED columns display ($\pm 2V$) 3-position rotary switch Uncalibrated, continuous variable attenuator Hold switch to stop signal change on line 3-position toggle switch (step input) Line characteristic impedance 600Ω Plugin terminators: short circuit link (2), 600Ω (2), 200Ω, $1.8k\Omega$, 50Ω, $10k\Omega$, $110\mu F$. Software CD Manual containing practical assignments</p> | 2 |
| 3 | <p>Antenna Trainer (with computer interface capability)</p> <p>Specifications Transmitter and receiver Different types antennas (for instance, Horn antenna, parabolic reflector antenna, patch antenna, Yagi-uda antenna etc.) Software CD Manual with practical assignments</p> | 2 |
| 4. | <p>Oscilloscope 200 MHz 200 MHz Bandwidth, 4 Inputs Channel 100 GSa/s Equivalent Time Sampling Rate 2 Mega Points Record Length 1m V /div to 10 of vertical Range 1 ns/div to 100s/div of Time Base Range. 80,000 wfm/s of Waveform Update Rate 8 inch 800*600 High Resolution TFT LCD Display Built-in Segmented Memory and Waveform Search Functions to Optimize the</p> | 1 |

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| | <p>Efficiency of Record Length. Zoom Widow and Play/Pause can Rapidly Navigate the Waveforms . 36 Automatic Measurement Functions Offers Various Measurement Selections . Standard model Provides 12C, UAER, SPI serial bus trigger and decoding functionalities . Optional 8 or 16 digital channel with Logic analyzer (MSO) . Optional 5MHz and 25MHz Function Generator . Flexible Remote Control Connectivity (Standard: USB: Option: LAN/GPIB) . Upgradable CAN/LIN bus analysis, Advanced Logic, Datalog, DVM and H-expansion functionalities. . LABVIEW driver.</p> | |
| 5. | <p>Oscilloscope 100 Mhz 100 MHz Bandwidths IGSa/s Real-Time Sample Rates Maximum, 25GSa/s Equivalent-Time 2 mega Points Record Length 2m V-10 V Vertical Scale 1ns -50s Horizontal Range Up to 27 Automatic Measurements 5.7" TFT LCD Display USB Host and Device Interface Supported Go/No-go Function . Data Logger . LABVIEW driver</p> | 3 |
| 6. | <p>DC Power Supply 4 Independent Isolated Output Four "3 Digits" LED Displays 0.01% Load and Line Regulation Low Ripple and Noise Tracking Operations and Auto Series/parallel Operation Output ON/OFF Switch Output Voltage and Current Setting When Output Disable Fan Speed Control Circuit to Minimize Fan Noise Over Load and Reverse Polarity Protection . Optional European Jack Type Terminal</p> | 4 |