

<b>GOVERNMENT ENGINEERING COLLEGE, KOZHIKODE-673005</b>	
<b>NOTICE INVITING E-TENDER</b>	
No.GECK/1009/2024-P1	05-10-2024
Tender No.	P1/02/24-25
Subscription	Supply of Digital Storage Oscilloscope 50Mhz to AE&I Dept of this institution.
Last date and time of receipt of tender	<b>24/10/2024 3 PM</b> on the website (www.etenders.kerala.gov.in)
Date and time of opening of tender	<b>25/10/2024 3 PM</b>
Bid Validity	120days
Bid Fee	₹.600/- + GST 108/- (708/-)
E.M.D required	₹.2850/-

Conditions:

**Price** : Should include all charges and taxes which specifically stated.

**Payment** : Will be made only after the successful supply, installation of the items as per supply order

**Delivery F.O.R** : Govt. Engineering College, Kozhikode.

**Agreement : Preliminary Agreement in Kerala Stamp Paper worth ₹.220/-**

**(Preliminary Agreement shall be uploaded without fail otherwise bid will not be considered )**

**Delivery condition:** Within 4 months from the supply order.

**Guarantee/Warrantee:** (5year) Specified in the specification of items list

Date of opening : In case the proposed date declared as holiday, the tender will be opened on the next working day in the same time.

Special conditions:

- The bidder must furnish name of institutions (under this department and others) in kerala where the same items were supplied.
- Proforma Report/Original Pamphlet/Warranty Certificate/Preliminary Agreement in **Kerala stamp Paper worth ₹.220/-** are required.
- The demonstration of the item/equipment will have to be arranged by the bidder before the evaluation committee during technical evaluation and if any of the items/equipment is not found suitable and/or up-to-the mark by the Committee, the same shall be liable to be rejected.
- The firm must have proven knowledge and expertise in standard system installation, commissioning and providing training.
- The price must be quoted in INR ₹.

After E-tendering the hard copies of all the tender documents except BOQ/Schedule should be submitted to the Principal, Government Engineering College, Kozhikode and cover should be superscribed with the tender id, closing date and opening date of the tender.

NB: The tender procedure will be made as per Rules mentioned in the Revised Store Purchase

Manual. The bidders should participate this tender through E-tendering System. Tender cost and EMD should be submitted only through online. For more details contact phone number 0495 2383220.

Dr.E A Jasmin  
PRINCIPAL, EC

**Signed by E A Jasmin**

**Date: 05-10-2024 10:02:18**

Detailed Specifications of the items required

SL No.	Articles with Specification	Qty
1	<p><b>Digital Storage Oscilloscope:</b>                      Bandwidth: Dc to 50MHz or better                      No.of channels : 2+Ext trig or better                      Memory depth : 20K points                      Sampling rate : 1GSa/s on all channels or better                      Vertical Resolution : 8 bits or better                      Input sensitivity range : from 1mV to 5V/div or better                      Input impedance: 1 MΩ in parallel with 14 pF or better                      Measurements : &gt;30 Automated Measurements, cursor measurements and FFT Analysis                      Dedicated keys : Quick Pan and zooming, math, FFT, Reference.                      FFT : Should have simultaneous display of both time and FFT waveforms in same window                      DC gain accuracy : ±3%                      Maximum Input Voltage : 300 VRMS with peaks ≤ ±450 V                      Acquisition modes : Peak detect( up to 4ns glitch), Sample, Average(256), Single sequence, roll, High resolution                      Couplings : AC,DC, LF-HFreject, Noise reject Trigger View : Required                      Time Base Range : 2ns to 100s/div                      Time Base Accuracy : 25 ppm                      Feature required : Integrated course ware support in Oscilloscope with memeory, should provide free Software to prepare and load exercises in Oscilloscope                      Display : 7 in. (180 mm) Widescreen TFT-LCD Color Display                      Resolution : 480 horizontal × 800 (WVGA) TFT LCD                      Display system : vectors, variable and infinitve Persistence, Format YT and XY                      No of Horizontal Divisions : Greater than 14 nos to view more cycles on screen                      Connectivity : USB Host and Device ports                      Regulatory : should have EC Council Directive 2014/30/EU UL61010-1, UL61010-2-030, CAN/CSA-C22.2 No.61010.1, CAN/CSA-C22.2 No. 61010-2:030; EN61010-1, EN61010-2-030</p> <p><b>Safety :</b> Should Comply with the Low Voltage Directive 2014/35/EU for Product Safety                      Power Source Voltage : 100 to 240V (+/- 10%), 50/60 Hz.                      Power Consumption : 30Watts or less.                      Weight : Less than 2Kg                      Warranty : 5 Years standard</p> <p><b>Specification of probe:</b>                      10X Attenuation, 100 MHz Bandwidth, 1.3 m Length, should have certified Regulatory - UL61010-031; 2007, CAN/CSA C22.2 No. 61010-031-07, IEC61010-031; IEC 61010-031/A1:2008                      Rise time &lt;3.5 ns (typical), Compensation range - 8 pF to 18 pF                      Input resistance 10 MΩ, Maximum input voltage 300 VRMS CAT II</p> <p><b>Accessories to be supplied:</b>                      along with the instrument : One 10X Passive Probe per channel, Installation and Safety Manual, Documentation CD, Applicable Desktop Software &amp; PC Courseware software, Calibration Certificates traceable to NIST/NIM, Power Cord, and a five-year warranty statement.</p> <p><b>Documents :</b> 1.Compliance statement on all above specification with reference page nos in data sheet                      2.Authorisation certificate from manufacturer                      3.OEM should have service and calibration centre in India, proof of calibration accreditation details must be produced</p>	5

For spec. Enquiry. Email: [harish.ch@geckkd.ac.in](mailto:harish.ch@geckkd.ac.in)

  
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