

**MAR ATHANASIOUS COLLEGE OF ENGINEERING**  
(Government Aided, Autonomous Institution, Estd. 1961)  
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**PRINCIPAL**

**No. A3/798/23-24/ EEE**

**Date: 04.06.2026**

**NOTICE INVITING QUOTATIONS**

Sealed competitive quotations are invited for the supply of Laboratory Equipment for the Department of Electrical & Electronics Engineering, M. A. College of Engineering, Kothamangalam (MACE).

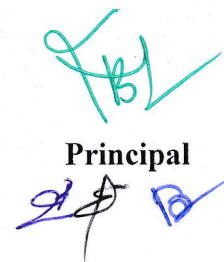
The quotations, duly sealed and superscribed "Quotation for the Supply of Laboratory Equipment for the Department of Electrical & Electronics Engineering", should reach the undersigned on or before **12.06.2026 at 3:00 PM.**

Late quotations will not be considered. The undersigned reserves the right to accept or reject any quotation without assigning any reason thereof.

The materials are to be delivered directly to the Office.

Sl. No.	Lab	Item Description (Preferred)	Quantity
1	PLC and Industrial Automation Lab	Desktop Computer: Intel Core i5 Processor (13th Generation or higher), minimum 10 cores and minimum turbo frequency of 4.5 GHz, 32 GB DDR5 RAM (expandable up to minimum 64 GB), 512 GB NVMe SSD (minimum), Integrated Intel UHD Graphics or better, 24" Full HD IPS/LED Monitor (Resolution: 1920 × 1080), minimum 4 × USB 3.0/3.2 ports, 1 × HDMI port, 1 × Gigabit Ethernet (RJ45) port, Wi-Fi and Bluetooth support preferred, USB keyboard and USB optical mouse, minimum 300 W SMPS, Ethernet LAN, Genuine Windows 11 64-bit licensed, 3 Years Onsite Warranty, Dell/HP preferred.	4
2	PLC and Industrial Automation Lab	Workstation: Intel Core i7 Desktop Processor (latest generation) with a minimum of 20 cores and 28 threads; 32 GB DDR5 RAM expandable to at least 128 GB; 1 TB PCIe NVMe SSD storage; NVIDIA RTX 5070 graphics card with a minimum of 12 GB GDDR7 dedicated graphics memory; compatible OEM motherboard with at least 2 × M.2 NVMe slots and 1 × PCIe x16 slot; minimum 750 W 80 Plus Gold certified power supply; mid-tower cabinet with adequate cooling provisions; integrated Gigabit Ethernet (10/100/1000 Mbps) or higher, Wi-Fi 6 or higher, and Bluetooth 5.0 or higher; 24-inch IPS LED monitor with Full HD (1920 × 1080) resolution, anti-glare screen, and HDMI connectivity; USB keyboard and USB optical mouse; genuine Windows 11 (64-bit) operating system preloaded and activated; USB 3.2 ports, USB-C port, audio input/output ports, and HDMI/DisplayPort outputs; minimum 3-year onsite comprehensive warranty. Dell/HP preferred.	1
3	Control Systems Lab	PLC and supporting hardware setup for PID based armature voltage speed control of DC motor. DC motor is available and not required. The specifications of the DC shunt motor: 220V, Armature resistance - 95ohm, Field Resistance - 580 ohm, 1 HP, rated current - 5 A, rpm - 1500	1



  
**Principal**