



DEPARTMENT OF ELECTRICAL ENGINEERING

Faculty of Engineering and Technology
Maulana Mohammed Ali Jauhar Marg, New Delhi-110025

EED/Q-10/2025/26

March 13, 2026

CALL FOR QUOTATION

The Department of Electrical Engineering, Jamia Millia Islamia, New Delhi, invite quotations for Lab Equipment of the Department. It is requested to kindly provide us sealed quotations of these items along with their specifications, if any. The quotation may be submitted within a day's up to 18/03/2026 in the office of the undersigned.

S. No.	Particular and Technical Specification	Qty	Unit Rate	Tax	Total Amount
1	12-DOF BIONIC DOG With Raspberry Pi 5 (8 GB) with Casing, Cooling Fan and 10 Inch RPi Display Capacitive Touch	2			

S. No.	Component	Specification
1.	Main Controller	Raspberry Pi 5 – 8GB RAM
2.	Protective Enclosure	Raspberry Pi 5 compatible casing with heat sink
3.	Cooling System	Active cooling fan for Raspberry Pi 5
4.	Display	10-inch Raspberry Pi Capacitive Touch Display
5.	Storage	64GB MicroSD Card
6.	Quadruped Robot Chassis	12-DOF Bionic Dog Frame (Aluminum / Engineering Plastic)
7.	Degrees of Freedom	12 DOF
8.	Servo Motors	Metal Gear High Torque Servo Motors (15–20 kg-cm)
9.	Servo Controller Board	16-Channel PWM Servo Driver
10.	Motion Sensor	IMU Sensor (MPU6050 / 6-axis accelerometer and gyroscope)
11.	Distance Sensor	Ultrasonic Distance Sensor (HC-SR04 or equivalent)
12.	Camera Module	Raspberry Pi Camera Module compatible with Raspberry Pi 5
13.	Battery Capacity	Minimum 2200–5000 mAh rechargeable battery
14.	Power Distribution Module	Voltage regulator / power management module for servos and controller
15.	Wireless Connectivity	Built-in Wi-Fi and Bluetooth support
16.	Communication Interfaces	GPIO, I ² C, SPI and USB interfaces for sensor integration
17.	Operating System	Raspberry Pi Resbian OS (64-bit) preinstalled
18.	Development Tools	IDE (VS Code or equivalent) with necessary libraries
19.	Warranty	3 years

(Prof. Shahida Khatoon)
Head

Head
Deptt. of Electrical Engineering
Faculty of Engg. & Tech.
13.3.26

Notes:

- Quotation should be sealed in a separate envelope/item wise duly super scribed "Item name" – Quotation reference No.: EED/Q-10/2025/26
- Applicable Taxes, Warranty, Delivery period and other Terms & Conditions should be mentioned clearly
- The quotation should be a reputed and an authorized firm/supplier having after sales service agreement with the OEM (Proof for the same to be enclosed along with address, phone nos. & E-mail etc. of the Service Centre).
- The quotation document complete in all respects should reach The Head, Department of Electrical Engineering, Faculty of Engineering and Technology, Jamia Millia Islamia, New delhi-110025 (Attn. Head, Department of Electrical Engineering should be written over the sealed envelope)