



COLLEGE OF ENGINEERING KARUNAGAPPALLY

(Govt. of Kerala, Managed by IHRD)

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No. P/541/2022-23/ CEK (2)

Date: 10/01/2023

QUOTATION NOTICE

Sealed quotations are invited for the supply of the following equipments for the College.

Sl No.	Item Name and Specifications	QTY (Nos.)
1.	Software Defined Radio a) RTL-SDR Blog R820T2 RTL2832U 1PPM TCXO SMA Software Defined Radio (Dongle Only) <ul style="list-style-type: none">• Use of the R820T2 tuner, improved component tolerances, a 1 PPM temperature compensated oscillator (TCXO), SMA F connector, aluminium shielded case with• Can tune from 500 kHz to 1.7 GHz and has up to 3.2 MHz of instantaneous bandwidth (2.4 MHz stable). (HF reception below 24 MHz in direct sampling mode) (Manufacturer: RTL-SDR Blog). b) Robodo GSM2DBi GSM Magnetic Antenna SMA 900/1800MHz (With all accessories to use the antenna within the 3m circle of the SDR dongle.)	5 Nos.
2.	IR and RF Transmitter and Receivers (Compatible with Software Defined Radio) <ul style="list-style-type: none">• 1 MHz to 6 GHz operating frequency• half-duplex SDR transceiver• up to 20 million samples per second• 8-bit quadrature samples (8-bit I and 8-bit Q)• compatible with GNU Radio, SDR#, and more• software-configurable RX and TX gain and baseband filter• software-controlled antenna port power (50 mA at 3.3 V)• Hi-Speed USB 2.0• USB-powered• open-source hardware	1 No.

The envelope containing the quotation should bear the superscription "Quotation for the supply of Software Defined Radio and IR and RF Transmitter and Receivers" for the College and should be addressed to the Principal, College of Engineering Karunagappally. Intending quotationists may submit the quotation in their own letter heads.

Last date fixed for receipt of the quotations is at 11 AM on 18/01/2023. Late quotation will not be accepted. The quotations will be opened at 12 noon on 18/01/2023 in the presence of the quotationists, or their authorized representatives, who be present at the time of opening the quotations. All other details can be had from the college website www.ceknpny.ac.in



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