GOVERNEMNT COLLEGE OF ENGINEERING, KARAD
(An Autonomous Institute of Government of Maharashtra)

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No. CEK/ ENTC/Quotation /2018-2019/3316

DATE 25/10/2018

To,

Subject – Quotation for Embedded System kits

Dear Sir,

With reference to above, I have to request you to kindly quote your rates for below mentioned material for **Electronics and Telecommunication Engineering Department** "of this Institute so as to reach this office on or before 20/11/2018 till 5.00 pm , The details are as given below –

Sr. No.	Description	Qty.
1	**Embedded System** **ARM 7 based Development Kit Microcontroller LPC 2148 ARM7 TDMI 14MHz**	6
2	**CORTEX M-4 based Development kit**	6

Your quotation should be valid for at least 30 days from the date of opening. The quotation should be sent to **"The Principal, Government College of Engineering, Karad"** in sealed envelope superscripted with word **"Quotation of Embedded System for Electronics and Telecommunication Engineering Department" due on 20-11-2018** .The Institute does not bind itself to accept or reject the quotation. Please note that if there is any over-writing in the quotation, the said term will not be taken into consideration.

Terms and Conditions:

1. Quotation validity for at least 30 days from the date of opening.
2. Delivery period 4 weeks from date of supply order.
3. Payment 100% after delivery and satisfactory acceptance.
4. Warranty 12 months or more.
5. Total amount will be considered for final call for quotation.

The quotation will be opened on **21-11-2018 at 03.00 p.m.**
Specifications are as enclosed.

Thanking you.

Principal,
Govt. College of Engineering, Karad.

Sr. No.	Name and description of the equipment	Specification
1	**ARM 7 based** **Development Kit** **Microcontroller** **LPC 2148 ARM7** **TDMI 14MHz**	**On Board:** • 16x2 LCD Display (Can use in 4 & 8 Bit) • 4 Digit 7 segment display • 4x4 Key Board • On Chip RTC with Battery • I2C based EEPROM, SD Card interface • Stepper motor & DC Motor Drive Control, • Relay & Buzzer & 8 nos. of LEDs, • Potentiometer for on chip ADC Experiment • All IO lines available to user on 10 Pin FRC Connectors x6 nos • 10 pin UEXT connector which supports three serial communication interfaces - I2C, SPI and RS232 • RS232C x 2 Ports & Device USB on user Friendly Connector • ISP In System Programming with on board USB Port. • All above interfacing should be isolated& independent working through FRC Cable • Free RTOS support with sample codes • GLCD, Zigbee and Bluetooth module **Following External interfaces must be provided with Kit :** • 128x64 GLCD with easy interface thru. 10 pin FRC S2C ZigBee Module with easy interface with 10 in FRC **Package Contents:** • LGS ARM DVK-1 • Power adaptor-1 • Stepper Motor & DC Motor-1 • USB & RS232C Cable- 1 • 10 Pin FRC Cable – 4 nos.
2	**CORTEX M-4 based Development kit**	STM32 development board designed for STM32F407V series, features the Cortex M4 STM32F407VET6/STM32F407VGT6 MCU, and integrates various standard interfaces • STM32F407VET6 : the high performance STM32MCU which features: • Core: Cortex-M4 32-bit RISC Feature: a full set of single-cycle DSP instructions • Operating Frequency: 168MHz, 210 DMIPS/1.25 DMIPS/MHz Operating Voltage: 1.8V-3.6V Package: LQFP100 • Memories: 512kB Flash, 192+4kB SRAM • MCU communication On Board Interfaces: • MCU core board connector: for easily connecting the Core407V • FSMC + SPI interface (16-bit FSMC + SPI): for connecting touch screen LCD • FSMC interface (8-bit FSMC): easily connects to peripherals such as Nand Flash, Ethernet, etc. • 1 x 8 I/Os with Switches & LEDs • 3-ch AD with POTx1 for all channels, for experimentation, 1-ch DAC, 4 x UART on connector • 3 x I2C, 1 x I2S, 2 x SPI, 1 x PS/2 on Connector • 1 x USB HOST, 1 x USB DEVICE, SN65HVD230 2 x CAN, DP83848 1 x Ethernet, • 1 - 16x2 LCD, 1 x PS/2, 1 x Joystick, 4x4 Key Pad, 4 Digit 7 segment display • DC & Stepper Motor Driver with Motors FM24CLXX FRAM Board (I2C) x 1 AT45DBXX Data Flash Board (SPI) NRF24L01 RF • 1 x 8 to 12-bit parallel camera interface • Bluetooth, Zigbee and graphic LCD **Package Contains:** • STM32F407 Development board x 1 open frame • USB type A plug to mini-B plug cable x 1 • 10 Pin FRC X 4 • USB power cable x 1 • Ethernet Cable x 1 6. Power Adaptor