

Rajiv Gandhi Institute of Technology, Kottayam

No. D3/1371/16/RIT

Dated: 21.05.2016

TENDER SCHEDULE

Superscription	: Tender No.D3/1371/16, Supply of ARM7 based CPU and development boards
Last date and time receipt of tender	: 08/07/2016 11 a.m
Date and time of opening of tender	: 08/07/2016 2 p.m
Last date and time of sale of tender form	: 07/07/2016 11 a.m
Date upto which the rates are to be firm	: 31/03/2017
Cost of tender form	: Original Rs.630/- including VAT 5% Duplicate Rs.315/- -do-. By Post Rs.665/-
Address of the Officer from whom Tender Forms are to be obtained to whom tenders are to be send	: THE PRINCIPAL, RAJIV GANDHI INSTITUTE OF TECHNOLOGY, KOTTAYAM VELLOOR P.O, PAMPADY, KOTTAYAM KERALA, PIN - 686 501

List of Items Required

<u>Details of items</u>	<u>Quantity</u>
1 List attached	

PRINCIPAL

List of items required

Sl.No.	Item and Description	Quantity
1	ARM7 based CPU and development boards LPC2378, Core 16/32 bit ARM7TDMI-S, Speed Up to 72 MHZ Flash 512KB RAM (on-chip) 32 KB with modules of LCD, ADC, DAC, RTC, and 12 C, USB interface) 0.5kg Stepper Motor	10

(Rupees Three Lakhs Twenty thousand Three hundred and Ninety only)

DETAILED TECHNICAL SPECIFICATIONS

ARM7 Based CPU and Development Boards

LPC2378 DEVELOPMENT BOARD

ON CHIP FEATURES

- * CPU - LPC2378
- * Core - 16/32 bit ARM7TDMI-S
- * Speed - Up to 72 MHZ
- * Flash - 512KB
- * RAM (on-chip) - 32KB
- * 104 General Purpose I/O Pins
- * Four UARTS
- * Two CAN Channels
- * One SPI & Two SSP
- * Three I2C Interface
- * One I2S Interface
- * 10bit A/D Converter
- * 10bit D/A Converter

ON BOARD FEATURES

- * Eight Digital Inputs & Outputs
- * 4x4 Matrix Keyboard
- * 128x 64 Pixels Graphical LCD
- * Two SPDT Relay Interface
- * On Board Stepper Motor Driver is provided

- * I2C Devices: EEPROM, RTC & Seven Segment Display
- * Audio Interface
- * 20 Pin Standard header is provided for JTAG Connectivity
- * On Board Signal Conditioner is provided for Temperature Sensor Interface.
- * 10/100 Base T Ethernet Connectivity.
- * USB 2.0 Connectivity
- * SD/MMC Card Interface.

ACCESSORIES:

- * RS232 cable with ISP Utility Software to download programs from PC to target card
- * Example programs in embedded C with documentation (soft copy)
- * PC Power chord
- * Kick start version of IAR ARM workbench
- * Ethernet Cable and USB cable