

## Rajiv Gandhi Institute of Technology, Kottayam

No. D3/1371/16/RIT

Dated: 25.08.2016

### TENDER SCHEDULE

Superscription	: Tender No.D3/1371/16, Supply of ARM7 based CPU and development boards
Last date and time receipt of tender	: 27/10/2016 11 a.m
Date and time of opening of tender	: 27/10/2016 2 p.m
Last date and time of sale of tender form	: 26/10/2016 11 a.m
Date upto which the rates are to be firm	: 31/03/2017
Cost of tender form	: <b>Original Rs.630/- including VAT 5%</b> <b>Duplicate Rs.315/- -do-</b> <b>By Post Rs.665/-</b>
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	<b>ARM7 based CPU and development boards</b> 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