

Terms & Conditions

1. The quotation must specify the period within which the supply could be effected from the date of receipt firm orders.
2. Quotation received after the due date mentioned on the reverse will not be considered.
3. Your quotations should be for materials strictly in accordance with the specifications shown. In case you are offering substitutes state clearly the exact specification etc, of the materials offered Drawing sketches or any other technical data should be submitted separately.
4. The prices quoted should clearly specify charges for delivery of the goods to destination indicated overleaf.
5. The prices quoted should include all packing costs and it will be assumed that packing materials (cases etc..) are non-returnable unless otherwise stated.
6. Sales tax or any other taxes if applicable should be shown separately giving the full rate of taxes for each items giving ex-incidence of such levies.
7. The Director reserves the right to accept the whole or part of any quotation without assigning any reason and the lowest or any quotation, will not necessarily be accepted, and the Director's decision shall be the final.
8. Samples must accompany the quotation when so specified or within two days when asked for later.
9. If it is discovered that the materials supplied are not exactly according to the specification, the entire stock will be rejected.
10. We reserve the right to inspect the goods offered at any stage of manufacture / supply at your premises.
11. Any dispute arising out of or relating to this Enquiry shall be deemed to have arisen in Madras and is subject to adjudication of the Madras Courts.
12. Rates quoted once will remain firm for that particular dealing.
13. The quotation should be kept valid for a period of 60 days from the date of opening for acceptance.
14. Payment will be made after confirmation on receipt of the materials in good condition at this Institute (normally within 30 days.) Advance payment will not be entertained at any circumstances.
15. Printed conditions of the firm sent along with the quotation form if any, shall not be binding on us.
16. In case of Printing the Proof should be got approved before final strike.
17. Materials should be supplied at this institute in good condition.
18. Price quoted by the suppliers accepted by the Director is final, and no deviation therefrom will be accepted without the Director's agreement in writing.
19. If the rates are under D.G.S. & D. Please specify the same clearly enclosing necessary documents.

NATIONAL INSTITUTE OF TECHNICAL TEACHERS' TRAINING AND RESEARCH

Taramani P.O., Chennai – 600 113.

(Government of India, Ministry of Human Resource Development)

No.NITTTR/EE&CE/ClassroomAutomation/2017-18/

Date:29.01.2018

To

As per list enclosed (10 nos.)

Delivery required by :

immediately

QUOTATION DUE DATE

(a) Please send your quotation within the due date on sealed envelope on or before:

Date: 12.02.2018

(b) Delivery required at : NITTTR, TARAMANI, CH-113

Sl.No.	Description of Items	Material Code	Approximate Quantity Required
1.	CORTEX-M4 BASED PROJECT BOARD (Details of specifications are enclosed as Annexure)		12 nos.

Note:

- GST No. must be specified in your quotation
- Specify warranty period,
- Specify educational institute discount
- Any other charges should be mentioned separately in each item
- Reference No. and Date should be written on the cover.
- As per Ministry of Finance, Govt. of India Notification No. 45/2017-Central Tax (Rate), dt. 14th Nov 2017, we are eligible for GST @ 5%

Cover should be addressed:

Name: **Associate Professor & Head i/c – Electrical Electronics & Communication Engineering**
National Institute of Technical Teachers Training and Research,
Taramani P.O., Chennai – 600 113.

(For terms and conditions please see overleaf)**DIRECTOR**

CORTEX-M4 BASED PROJECT BOARD – Detailed Specifications

ON-Chip Features

- STM32F407VGT6 high performance 32bit ARM Cortex M4 CPU in TQ144 pin package
- Operating Upto 168MHz
- 196Kbytes of SRAM
- 1Mbytes of Flash Memory
- 2.4Msps of analog to digital converter with 12 bit resolution.
- 2x12bit Digital to analog converter

ON-Board Features

- 2Nos of UART at RS232 level, one should be terminated at 9pin ‘D’ connector, another one should be terminated at 3pin RMC connector.
- 2Nos of UART at TTL level should be terminated in individual 3pin RMC connector.
- One UART should be available as USB port using FT232R
- 4Nos of user push buttons
- 4Nos of user LEDs
- One SPI port lines should be terminated at 6pin RMC connector along with supply lines for easy add on interface
- On I2C port lines terminated at 4pin RMC connector along with power supply lines for easy add on interface
- 16x2 LCD interface with on board mounting facility
- 2Nos of onchip DAC lines should be terminated at 3pin seperate RMC connector.
- 8 channel ADC inputs should be terminated at 10pin box connector
- GPIO lines terminated at 2 nos of 20pin connector for future expansion. These lines should be free from onboard peripherals.
- 2MP Camera interface (camera included)
- One no of Ethernet port with physical interface is terminated at RJ45 connector.
- JTAG debugging port
- All Peripherals Should be demonstrated using C Program and MATLAB Model (Simulink)
- Board should be mounted in a compact plastic enclosure with lid

Accessories

- 5 V / 2A Power supply
- 2 MP Camera
- Ethernet Cable
- USB Cable
- User Manual