



**Indian Institute of Technology Madras**  
**ELECTRICAL ENGINEERING DEPARTMENT**  
I.I.T.P.O., MADRAS-600 036  
Phone No. 2257 5419 (EED Stores)

DATE: 12/06/2015

DUE DATE: 29/06/2015

Ref.No.	ELE	MAHESH	dspace	ENoy
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Dear Sirs,

1. Quotations are invited in duplicate for the various items shown below / overleaf / Enclosed list.
2. The Quotations duly sealed and superscribed on the envelope with the reference No. and due date, should be addressed to the undersigned so as to reach him on or before the due date stipulated above.
3. The Quotations should be valid for sixty days from the due date and the period of delivery required should also be clearly indicated.
4. If the item is under DGS&D Rate contract No. and the price must be mentioned. It may also please be indicated whether the supply can be made direct to us at the Rate contract price (Please note that we are not Direct Demanding Officers). If so please send copy of the RC.
5. Relevant literature pertaining to the items quoted with full specifications (and drawing, if any) should be sent along with the Quotations, wherever applicable. Samples if called for, should be submitted free of charges, and collected back at the supplier's expenses.
6. Local Firms : Quotations should be for free delivery to this Institute. If Quotations for Ex-Godown delivery charges should be indicated separately.
7. Firms Outside Chennai : Quotations should be for F.O.R. Chennai. If F.O.R. consignor station, freight charges by passenger train / lorry transport must be indicated. If Ex-Godown, packing, forwarding and freight charges must be indicated.
8. The rate of sales / General Taxes and the percentage of such other taxes legally leviable and intended to be claimed should be distinctly shown along with the price quoted. Where this is not done, no claim for Sales / General Taxes will be admitted at any stage and on any ground whatsoever. The taxes leviable should take into consideration that we are entitled to have concessional Sales Tax applicable to, non Government Educational Institutions run with no profit motive for which a concession. Sales Tax Certificate will be issued at the time of final settlement of the bill.
9. Goods should be supplied carriage paid and insured.
10. Goods shall not be supplied without an official supply order.
11. Payment : Every attempt will be made to make payment within 30 days from the date of receipt of bill / acceptance of goods, whichever is later

As per our specifications  
Enclosed.

Yours faithfully,

Head / Project co-ordinator  
**PROJECT CO-ORDINATOR**  
Department of Electrical Engg.  
I.I.T. Madras, Chennai-600 036.

Contact

Prof. Mahesh Kumar,  
Dept of Electrical Engg  
IITM,  
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mahesh@ee.iitm.ac.in

**SPECIFICATIONS:** dSPACE MicroLabBox

**INPUT CHARACTERISTICS**

**Processor**

Free scale QorIQ P5020 dual-core 2 GHz

**Programmable FPGA**

Xilinx Kintex-7 FPGA processor and its on-chip peripherals

CPU clock: 2GHz

2 x 32 KB, 1 x 512 KB, 1 x 2MB cache memory

**Memory**

1GB DRAM

128 MB flash memory

**A/D converter**

Channels:

8, 14-bit channels with 10Msps resolution (8 x 14-bit)

24, 16-bit channels with 1Msps resolution (24 x 16-bit)

Input voltage range:  $\pm 10$  V

**Digital I/O**

Channels: 48 channels (single ended) and 12 channels (RS422/485)

Resolution: 16-bit

Output range:  $\pm 10$  V

We have studied dSPACE products and found that dSPACE MicroLabBox is suitable for required applications and meet above specifications.

In this context, you are requested to provide the best quotation for the above item. Please note that we are a premier Institute of Technology in the country, therefore the best price with eligible discount for educational institute like us, should be considered and mentioned in the quotation.

The quotation completed in all respects, signed by competent authority, should be addressed to the following. The quotation should be sent in the hard copy sent by courier or speed post. The scanned soft copy of the same should be sent as an attachment through the mail of the undersigned.

(Quotation should be addressed to)

**Prof. Mahesh Kumar**  
**Department of Electrical Engineering**  
**Indian Institute of Technology Madras**  
**Chennai - 600036, INDIA**

  
PROJECT CO-ORDINATOR  
Department of Electrical Engg.  
I.I.T. Madras, Chennai-600 036:

⊙ Quotations cover must be Sealed.