

Indian Institute of Technology Tirupati**Form for Inviting Quotations**

Date: 05.11.2015

Ref. No.: IIT T/2015-2016/PNEU

Dear Sirs,

DUE DATE: 16.11.2015

1. Technical bid and price bid are invited in duplicate for the various items shown below / overleaf / Enclosed list.
2. The technical and price bids should be sealed separately and super scribed 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. If technical and price bids are in same cover and not sealed separately, that will lead to rejection of quotation from the tender.
3. The **Quotations should be valid for sixty days from the due date** and the period of delivery required, warranty terms etc. 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 Madras : Quotations should be for F.O.R. Madras. 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

Yours faithfully,

The Professor in-charge, IIT Tirupati

ANNEXURE – I

Ref. No.: IIT T/2015-2016/PNEU

Sl. No.	Particulars	Quantity
I	<p>Basic Pneumatics training kit</p> <p>Each consisting of:</p> <ol style="list-style-type: none"> 1. 3/2 push button operated N. C. 2. 3/2 lever operated valve N.C 3. 3/2 push button operated N. O. 4. 5/2 push button operated valve 5. Pressure gauge 6. Quick exhaust valve 7. 3/2 roller lever valve N. C. 8. 5/2 pneumatic actuated valve, single pilot 9. 5/2 pneumatic actuated valve, double pilot 10. Shuttle valve (OR) 11. Dual pressure valve 12. Time delay valve/adjustable N. C. 13. One way flow control valve 14. Pressure sequence valve 15. Single acting cylinder 16. Double acting cylinder 17. Filter, Lubricator and regulator with gauge 18. Manifold or distributor 19. Plastic tubing to connect components 20. T-connector 21. 3/2 pneumatic actuated NC valve 22. **Profile plate for mounting the components and table to mount profile plate with two drawer sets lockable to accommodate above components 	<p>4 units</p> <p>2 nos.</p> <p>2 nos.</p> <p>2 nos.</p> <p>1 no.</p> <p>1 no.</p> <p>2 nos.</p> <p>4 nos.</p> <p>1 no.</p> <p>3 nos.</p> <p>2 nos.</p> <p>2 no.</p> <p>1 no.</p> <p>2 nos.</p> <p>1 no.</p> <p>2 nos.</p> <p>2 nos.</p> <p>1 no.</p> <p>1 no.</p> <p>15 mtrs.</p> <p>10 nos.</p> <p>1 no</p> <p>*4 units</p>
II	<p>Electro Pneumatics training kit,</p> <p>Consisting of:</p> <ol style="list-style-type: none"> 1. Single acting cylinder 2. Double acting cylinder 3. FRL unit 4. Manifold or distributor 5. One way flow control valve 6. Relay three fold 7. Electrical input with three push buttons 8. 3/2 way Solinoid valve 9. 5/2 way Solinoid valve 10. Plastic tubing 11. Set of two Timer relays 12. Electrical reed switch 13. Photo electric sensor 	<p>ONE UNIT</p> <p>2 nos</p> <p>2nos.</p> <p>1 no</p> <p>1 no.</p> <p>2 nos</p> <p>2 nos.</p> <p>2 nos.</p> <p>2 nos</p> <p>2 nos.</p> <p>15 m</p> <p>2 nos.</p> <p>2 nos.</p> <p>2 nos.</p>

	14. Electrical counter 15. Indicator (Pilot, buzzer) 16. Digital pressure switch 17. T connectors 18. profile plate and ER frame table with drawer unit pneumatic	1 no. 2 nos. 1 no. 10 nos. 1 unit.
III	SET OF POSTERS ON PNEUMATICS	1 set
IV.	WORK BOOK ON BASIC PNEUMATICS	1 set
V	WORK BOOK ON ADVANCED PNEUMATICS	1 set
VI	**Compressor	1 unit
VII	Add on PLC with Electro Pneumatics trainer	1 unit

*profile plates can be arranged back to back in the work table for two trainers

** Capacity of compressor should meet 4 basic pneumatics and 1 electro pneumatics trainer

Note:

The sealed technical and commercial bids should be sent before due date to

Prof. K.N. Satyanarayana
The Professor in-charge,
Indian Institute of Technology Tirupati,
Tirupati-Renigunta Road,
Settipalli Post,
Tirupati – 517 506,