

# Indian Institute of Technology, Delhi

## Centre for Energy Studies

### Notice Inviting Quotation

14/11/11

We are interested in purchasing a pressure feedback control system which will include the following components and their specifications:

#### **Downstream Throttle valve specifications [Qty: 1 no.]:**

Differential pressure across valve:	1 atm (max)
Flange:	ISO 63 (bolted)
Valve thickness:	25 mm
Flapper O-ring:	Viton required
Controllable Conductance:	0.5 l/s (min) to 375 l/s (max)
Closed leakage:	$< 10^{-7}$ Torr-l/s
Operating temperature:	Room Temperature
Other:	with two compatible centre-ring –O-ring

#### **Capacitance manometer specifications [Qty: two nos.]:**

Pressure range:	at least upto 1 Torr
Measurement range:	at least 3 decades below full scale
Flange:	KF 16
Accuracy:	at least $\pm 0.5$ % in entire range
Resolution:	$< 0.01$ % of full scale
Operating temperature:	Room Temperature
Others:	Compatible Centre-ring-O-ring and clamps

#### **Electronic feedback controller [Qty: 1 no.]:**

Compatibility:	Must be compatible to both the downstream throttle valve and the capacitance manometers
Controller repeatability:	at least $\pm 0.5$ % of F.S.
Readout:	Both pressure and valve position indication required
Operating Voltage:	240V AC, 50Hz

#### **TERMS AND CONDITIONS:**

- Kindly give your quote on CIF basis
- Quotations should be valid for at least two months from the date of issue
- Applicable taxes should be explicitly mentioned
- Specify other terms and conditions such as payments, delivery, warranty etc.
- Institute reserves the right to reject any quotations without assigning any reason thereof

Please submit your technical bid and commercial bid separately in a sealed envelope for the above items. Your quotations should reach at least by November 29, 2011 by 5:00 p.m. (IST) by post/courier at address given below:

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Dr Ramesh Narayanan  
Centre for Energy Studies  
Indian Institute of Technology, Delhi  
Hauz Khas, New Delhi - 110016  
India  
Email: [rams@ces.iitd.ac.in](mailto:rams@ces.iitd.ac.in)