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Enquiry number: PCTS/ME/ 2017/11

**Subject: Web Enquiry**

We are planning to purchase Quadruple mass spectrometer and Multi-stream automatic inlet valves system for our research work. The specifications should be strictly as follows are:

Mass spectrometer:

1. Working media: mixture of helium/hydrogen, air and steam
2. Measurable component: hydrogen, helium, air and steam
3. Measuring range: 0 to 100% of any gas from the sample (mixture of helium/hydrogen, air and steam)
4. Working temperature range: 80-150°C
5. Operating pressure: 1- 3 bar (gauge)
6. Low dead volume and heated inlet system with bypass manifold.
7. Digital communication preferably with USB
8. Input Voltage: 230V AC to 250V DC
9. Detection limit equivalent to 5 ppb or better
10. Compatible quantitative analysis software with multi-output capability

Multi-stream automatic inlet valves system:

1. Minimum sampling inlets: 12 Nos.
2. Sample switching response: less than 2 second
3. Leak integrity: Less than  $2 \times 10^{-9}$  mbar l/s
4. Response time (switching time between two sampling lines and QMS analyzing time for a sample): Less than 5s

Kindly send hard copy of your offer at the following address before 24 Jan, 2017. The offer must contain the usual terms and conditions of supply, tax, freight charges, offer validity, warranty, educational discount, and delivery period etc.

**Important: Technical and financial offers must be packed separately.**

**Following is the schedule for the purchase committee meetings in the office of HOD/ME:**

Opening of the technical offer: 25 January, 2017 at 11:00

Opening of financial offer: 27 January, 2017 at 16:00

**If the bidders or their representatives are interested, they may come at their own expenses at the time of opening of the tenders as per above mentioned schedule.**

Thanking you,

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