

Department of Chemical Engineering
Indian Institute of Technology, Delhi

January 21, 2014

Subject: Quotation for O2 & CO2 off GAS ANALYZER

Following Specification are required for O2 & CO2 off GAS ANALYZER

Common two in one O2/CO2 sensor unit required.

- CO2 : 0-25 Vol %
- Detector : Infrared dual wavelength
- O2 : 0.1-100 Vol%
- Detector : Galvanic cell
- Operating temp. range : 15 to 40 degree Celsius
- Operating press range : up to 1.3 bar
- Operating humidity : up to 100% RH
- Elect. Conn : RS 232, RS 485 modbus, 2x4 to 20mA.
- Software : Software should have graphical display and should have facility to calculate OUR, CER and RQ Values automatically. Automatic calibration and Data logging facility should be available. Provision to connect more sensors in future. Software should have hardware lock (dongle). Software should have data logging facility with defined time interval.
- Sensor calibration certificate required.
- Automatic temperature compensation, pressure compensation and humidity compensation required with data logging facility.
- Warranty : 1 Year
- Third party software integration : Yes

Please send the above quotation latest by 05 / 02 / 2014.

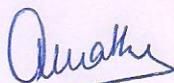
Terms and Conditions:

- 1 Quotations must be made in sealed envelopes. Technical and Commercial bids must be sent separately in two sealed envelopes and then put together in one envelope. The quotes must reach the following address by 05th February, 2014 by 05:00 pm latest.

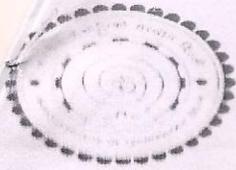
Prof. A. S. Rathore
Department of Chemical Engineering,
Block II, Room No. 94,
Indian Institute of Technology, Delhi
Hauz Khas, New Delhi – 110016

- 2 Price must be quoted CIF New Delhi.
- 3 Please specify warranty periods.
- 4 Indian agency certificate must be enclosed. Proprietary certificate might be enclosed if applicable.
- 5 Payment through L/C.
- 6 Validity of quotation should be at least 3 months.
- 7 Period of delivery should be mentioned.
- 8 Educational discount should also be mentioned.

Remarks: The Institute reserves the right to accept or reject any all the quotations without assigning any reason thereof.



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भारतीय प्रौद्योगिकी संस्थान दिल्ली
Indian Institute of Technology Delhi

Purchase Finalization Committee (PFC) Form

Purchase Committee No. 15497

Date: 01/01/2014 31-Dec-2013

1 Name of Deptt./Centre/Section/Unit : DEPARTMENT OF BIOCHEMICAL ENGG. & BIOTECHNOLOGY

2 Nature of Purchase : Consumables Non - Consumables

(Please tick ✓ at appropriate Place)

3 Do you want to raise PR Yes No

(Please tick ✓ at appropriate Place)

HIRD/191
81/114

4 Budget Code

| | |
|--------------|---------|
| Non Plan | Plan |
| Account Code | MI00806 |

5 Estimated Cost ₹ 600000.00 (In words : SIX LAKHS)

6 Is space & infrastructure is readily available for installation of the equipment in Deptt./Centre/Section/Unit on its arrival? (Please tick ✓ at appropriate Place) Yes No

7 Details of the Committee (Please use appropriate column)

| Minor Purchase (See Rule No. 4.1) (Upto ₹ 2 Lakhs Constitution Comprising of three Faculty Members/Group 'A' Officers) | Medium Purchase (See Rule No. 4.2 & 4.3) (Above ₹ 2 Lakhs and upto ₹ 25 Lakhs Constitution of the Committee comprising of three Faculty Members/Group 'A' Officers + HOD/PI or his nominee. It is mandatory for publishing NIQ in the Institute website for two weeks) | Major Purchase (See Rule No. 4.4) (PFC above ₹ 25 Lakhs, It is mandatory for publishing the MIQ in the Institute website for minimum three weeks & in one National Daily) |
|--|--|--|
| | | 1. _____ (chairman to be nominated by the Director) |
| | Prof. SAROJ MISHRA, 15031 | 2. Buyer: Dr. A. S. Rathore, 16258 |
| | Prof. A. S. RATHORE, 16258 | 3. Expert 1: Dr. S. K. Pattanayek, 16155 |
| | Dr. JAMES GOMES, 15681 | 4. Expert 2: Dr. A. Shukla, 16097 |
| | Dr. ARCHANA CHUGH, 16287 | 5. DR (A/cs)/Ar (IRD (A/cs)/Nominee |
| | | 6. AR (Stores)/ Nominee |
| PFC to be approved by HOD / HOC/ PI | PFC to be approved by DD (A)/ Dean (IRD) | PFC to be approved by DIRECTOR |

8 Details of the item to be procured OFF GAS ANALYZER



Signature: Saroj Mishra
Name of the Purchaser: Prof. SAROJ MISHRA

Deptt./Centre/Section/Unit : Department of Biochemical Engineering & Biotechnology

- NB: A. In case less than 3 quotation are received than please do re - tending (except proprietary item).
B. Technical Bids will be opened & examined by Technical Evaluation Committee (TEC).
C. The buyer will initiate a note with a brief mention of items to be purchased, justifying requirements as well as availability of similar equipment to the Deptt./Centre/Section/Unit.

(S) by S. Mishra, P
DIED