

**Bhabha Atomic Research Centre
Applied Physics Division**

Tender No. BARC/APD/MF/BS/2019/ 1866 7

Due on: 15/02/2019 at 1600 hrs

24th Jan 2017

1. Sub: Invitation of Quotations for Calibration of "Carbon Monoxide Gas Measurement Instruments" as per attached Annexure-1

Dear Sir,


- 1) Quotations are invited for the Calibration of "Carbon Monoxide Gas Measurement Instruments" as per attached Annexure-1
- 2) Bidder shall quote for the same.
- 3) Bidder will furnish details of calibration facility (specific to our requirement) and NABL certificate available with them or their sub-contractors.
- 4) Taxes shall be quoted separately.
- 5) Quotation must be in the printed letter head/quotation format, which should consist of GST registration number registered with local ST authority/CST authority, PAN number of the firm, Service tax registration number etc. Quotations received in computer-generated form will be considered invalid and rejected.
- 6) The quotations must strictly reach,
- 7)

**Head, Applied Physics Division
Purnima Laboratory
Bhabha Atomic Research Centre,
Trombay, Mumbai 400085.
Attn: Shri. Bhaskar Sharma**

on or before 15/02/2019 at 1600 hrs and must be sent in a sealed envelope super scribed "MINOR FABRICATION" with the above reference number and due date given above.

- 8) The calibration work shall be subject to inspection by our engineer. After calibration instruments will be installed back in the supervision of our engineer.
- 9) The bidder shall specify the work completion period (not exceeding 3 weeks), in case of order.
- 10) Head, Applied Physics Division, B.A.R.C, reserves the right to accept/reject any or all quotations without assigning any reason.
- 11) Payment will be made as per rules after completion of the job satisfactorily.
- 12) **Validity:** The offer shall be kept open for acceptance for a period of 60 days from the date of opening of quotation
- 13) **Proof of ability -** A brief list of similar jobs executed if any and name of the organization to be furnished.
- 14) **Delivery:** Removing of instruments from installed location and reinstallation of instruments after calibration is in scope of the bidder. (Facility is located at EHPPL, BARC, Chinchvali village, Malang Road, Kalyan).

Enclosed: **Annexure-I**



(Bhaskar Sharma)
Scientific Assistant - C
For and on behalf of President of India

Annexure-1

List of devices					
Sr. No.	Type	Model No.	Gas : Range	Qty.	Calibration Gas Mixture
1.	HoneyWell make Sensepoint XCD ATEX (SPXCDASM CX)	Transmitter: SPXCDASMTXT Sensor: SPXCDXSCXSS	CO : 0-1000 ppm	08 nos.	CO: 300 ppm, balance N ₂
2.	HoneyWell make Gas Alert MAX-T-II (Four Sensors)	XT-XWHM-Y-OE	a) CO : 0-1000 ppm b) H ₂ S : 0-200 ppm c) O ₂ : 30% volume d) LEL : 0-100% LEL, or 0-5 % v/v Methane	02 nos.	a) CO: 300 ppm, balance N ₂ b) H ₂ S: 25 ppm, balance N ₂ c) O ₂ : clean air, 18% d) LEL: 50% LEL, or 2.5 % by volume Methane, balance air
3.	HoneyWell make Gas Alert EXTREME	GAXT-M-DL	CO : 0-1000 ppm	02 nos.	300 ppm, balance N ₂

Scope of Work:

1. On-site calibration and testing of devices mentioned in item-A, for the specified ranges.
2. Supply of sensor cartridges as mentioned in item-B.
3. Bidders shall remove the installed devices from the lab/facility and shall reinstall it after calibration. (Facility is located at EHPPL, BARC, Chinchvali village, Malang Road, Kalyan).
4. Reference transducer/calibrator to be used for testing and calibration should be traceable to national standards.
5. Provide quality/test certificates of the gases/gas-mixtures used for the calibration.
6. Provide calibration certificates mentioning details of standard or reference transducer/calibrator used for calibration process. Validity of calibration certificate should be for one year.
7. Bidder has to arrange for accessories required for calibration such as flow regulators, Gassing-Cap (part no. S3KCAL; for Sensepoint XCD transmitters), flexible tubes etc.
8. Calibration procedures to be followed as prescribed by the manufacturer in the service manual for devices.


(Bhaskar Sharma)
Scientific Assistant – C
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