

**Bhabha Atomic Research Centre
Applied Physics Division**

Tender No: BARC/APD/EHPPL/MF/BS/2022/02

Due on: 17/06/2022 at 1600 hrs

Sub: Invitation of Quotations for On-site Maintenance and Calibration of 'Gas Measurement Instruments' as per attached Annexure-B

Dear Sir,

- 1) Quotations are invited for the **On-site Maintenance and Calibration of 'Gas Measurement Instruments' as per attached Annexure-B.**
- 2) Bidder shall quote for the same.
- 3) Bidder will furnish details of testing facility (specific to our requirement) and NABL certificate available with them or their sub-contractors.
- 4) Taxes and excise duties shall be quoted separately.
- 5) Quotation must be in the printed letter head/quotation format, which should consist of PAN number of the firm, registration number, GST no. etc.
- 6) The quotations must strictly reach through **Indian Post only**, to

Head, Applied Physics Division

Purnima Laboratory

Bhabha Atomic Research Centre,

Trombay, Mumbai 400085.

Attn: **Shri. Bhaskar Sharma**

On or before **17/06/2022 at 1600 hrs**

and must be sent in a sealed envelope super-scribed "MINOR FABRICATION" with the above mentioned reference number and due date.

- 7) The maintenance and calibration work shall be subject to inspection by our engineer. After maintenance and calibration instruments will be installed back in the supervision of our engineer.
- 8) The bidder shall specify the **work completion period** (not exceeding **12 weeks**), in case of placement of order.
- 9) **Head, Applied Physics Division, B.A.R.C.**, reserves the right to accept/reject any or all quotations without assigning any reason.
- 10) **Payment:** Payment will be made by ECS only after satisfactory completion of work on production of bill, delivery challan and advance stamped receipt. It may be noted that IT @ 2% shall be deducted from your bills.
- 11) **Validity:** The offer shall be kept open for acceptance for a period of **60 days** from the date of opening of quotation
- 12) **Proof of ability-**A brief list of similar jobs executed if any and name of the organization to be furnished.
- 13) **Delivery:** Removing of instruments from installed location and re-installation of instruments after testing is in scope of the bidder. (Facility is located at EHPPL, BARC, Chinchvali village, Malang Road, Kalyan).

Enclosed: **Annexure-B**

Bhaskar

(Bhaskar Sharma)

SA/D, APD, BARC

For and on behalf of President of India

Annexure-B

List of instruments for calibration					
Sr. No.	Type	Model No.	Gas : Range	Qty.	Calibration Gas Mixture
1.	Honeywell make Sense point XCD ATEX (SPXCDASMCX)	Transmitter: SPXCDASMTXT Sensor: SPXCDXSCXSS	CO : 0-1000 ppm	12 nos.	CO: minimum 100ppm, balance N ₂
2.	Honeywell make Gas Alert MAX-T-II (04 sensors inside detector)	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	04 nos.	a) CO: minimum 100ppm, 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	04 nos.	CO: minimum 100ppm, balance N ₂
Sr. No.	List of instruments for maintenance/repairs	Model No.		Qty.	Scope of work
4.	'Outer-casing' for Gas Alert MAX-T-II	Honeywell make XT-XWHM-Y-OE	compatible	02nos	Dismantling of old casing, replacement and assembly of new casing
5.	'Outer-casing' for Gas Alert EXTREME	Honeywell make GAXT-M-DL	compatible	02 nos.	Dismantling of old casing, replacement and assembly of new casing
6.	Oxygen Sensor for XT-XWHM-Y-OE	Honeywell make XT-XWHM-Y-OE	O ₂ : 30% volume	02 nos.	Dismantling of old sensor, replacement and assembly of new sensor
7.	Oxygen Sensor for XT-XWHM-EU MAX XT-II	Honeywell make XT-XWHM-EU MAX XT-II	O ₂ : 30% volume	02nos.	Dismantling of old sensor, replacement and assembly of new sensor
8.	LEL Sensor for XT-XWHM-Y-OE	Honeywell make XT-XWHM-Y-OE	LEL : 0-100% LEL, or 0-5 % v/v	01nos.	Dismantling of old sensor, replacement and assembly of new sensor
9.	Battery for GAXT-M-DL	Honeywell make GAXT-M-DL	compatible	04 nos.	Removal of old battery, replacement and assembly of new battery

Scope of Work:

1. On-site testing and maintenance instruments. (Details are given in table above).
2. On-site calibration of instruments for the specified ranges (details are given in table above).
3. Bidders shall remove the instruments from the installed locations in facility, and shall reinstall it after completion of maintenance and calibration work. (Facility is located at EHPPL, BARC, Chinchvali village, Malang Road, Kalyan).
4. Provide overall health report of the instruments.
5. Provide calibration certificates mentioning details of standard or reference transducer/calibrator used for calibration process.
6. Reference calibrator should be traceable to national standards.
7. Calibration certificate should be valid for at least one year.
8. 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.

Bhaskar
(Bhaskar Sharma)
SA/D, APD, BARC