



सीएसआईआर-केंद्रीय खाद्य प्रौद्योगिक अनुसंधान संस्थान
CSIR- CENTRAL FOOD TECHNOLOGICAL RESEARCH INSTITUTE
मैसूरु / MYSURU-570 020, भारत / INDIA
(Constituent Laboratory of CSIR, New Delhi (Ministry of Science & Technology)
An ISO 9001:2008, ISO 14001:2004 & ISO 17025:2005, NABL
Accredited Laboratory



सं. /No. CFTRI /79343/2019

दिनांक / Date: 13th January 2020

निविदा आमंत्रण सूचना
NOTICE INVITING TENDER

क्रम सं. Sl. No.	निविदा संदर्भ Tender Reference	विवरण / Description
1	A3/79343/2020	Hydrogen Gas Leak Detector

1. Director, CSIR-CFTRI, Mysuru invites tenders for supply, installation and satisfactory commissioning of Hydrogen Gas Leak Detector– 1 Nos
2. Last date for submission of Tender is 2.00 P.M. (IST) on 28/01/2020 on line in etender.gov.in.
3. Bid Security(EMD) NIL
4. Bid Opening on line in etender portal at 2.30P.M(IST) on 29/01/2020

हस्ता./Sd/-

अनुभाग अधिकारी (भंडार एवं क्रय)

Section Officer (Stores & Purchase)

Ph: +91- 821-

2515440/2515447

E-mail: cosp@cftri.res.in, sosp@cftri.res.in

Technical Specifications for Wall/Ceiling mounted Hydrogen Gas Leak Detector along with Portable unit for localizing leaks

1) Ceiling/Wall Mounted Hydrogen Gas detector	
Gas type	Hydrogen. The detector should be selective and specific to Hydrogen Gas only. It should have no cross-sensitivity to other gases.
High exposure behavior	The detector should not get damaged upon exposure to high concentration of hydrogen.
Detection coverage area	Min. 25-30 Sq. feet of area.
Number of Hydrogen Sensors	6 (6 different locations/labs where the hydrogen cylinders are placed)
Response time	< 10 seconds
Accuracy	+/- 5% minimum
Hydrogen detection Range	0% to 5% H ₂ v/v in Air or greater. Detector should have two stages of threshold alarms
Resolution	100 PPM or better
Warranty	Minimum 12 months
Mounting	Wall/Ceiling mounting. Easy to install.
Alarm	Audio and Visual
Control Unit	
Detection function	Auto scanning
No of channels	Minimum 6 channels and preferable 8 channels for supporting future requirement
Display	Display function for gas detection. Continuous display of gas concentration.
LED Alarm Indication	Channel-specific LED indication for normal and two alarm thresholds
Connectivity	2 sets of voltage free contacts for connecting hooter and/or exhaust fans.
Alarm Reset	Auto
Alarm threshold	Two levels of alarm thresholds. Should be user settable.

2) Portable Hydrogen Gas detector

Gas type	Hydrogen. The detector should be selective and specific to Hydrogen Gas only. It should have no cross-sensitivity to other gases.
High exposure behavior	The detector should not get damaged upon exposure to high concentration of hydrogen.
Operating type	Handheld/Portable with charging facility
Operating temperature	0-50 degree Celsius
Battery Life	Min 18 Hours of continuous operation
Response time	< 10 seconds
Accuracy	+/- 5% of FSD or better
Hydrogen detection Range	0-2000 PPM or better
Resolution	10 PPM or better
Display	LCD display with battery indication. H ₂ reading in PPM and function of zero correction
Alarm function	Device should include audio cue
Display Alarm	Device should include a visual cue
Warranty	Minimum 12 months

INSTRUCTIONS TO BIDDERS

1. The Instructions, Terms & Conditions, General Conditions of Contract (GCC), Special Conditions of Contract (SCC), Annexures and Formats hosted in our website www.cftri.res.in [Path: Home page → Tenders → Standard Tender Document (Scrolling Text)] constitutes integral part of this tender.
2. Bidders should submit their financial bid in the format provided BOQ (Price Schedule Format) and same has to be uploaded in the above etender.gov.in. It is mandatory for all the bidders to upload duly filled Price Schedule Format towards submission of their Financial Bid. No changes or modification to the given format is acceptable. Bidders are required to go through the instructions carefully before filling the Price Schedule Format.
3. Bid Security (EMD) is not applicable for this tender.
4. Performance Security is not applicable for this tender.
5. Integrity Pact is not applicable for this tender.
6. **Warranty:** Minimum One Year (1 Year) from the date of Installation and Commissioning and acceptance for Hydrogen Gas Leak Detector
7. Delivery Period: Delivery should be affected within 3-4 weeks from the date of issue of Purchase Order.
8. **Terms of Payment:** The method and conditions of payment to be made to the supplier under this Contract shall be as follows:

Payment for Goods and Services supplied from India:

Payment for Goods and Services supplied from within India shall be made in Indian Rupees, [INR] as follows:

On Delivery, Installation and Acceptance: 100 % (Hundred Percent) of the Contract Price shall be paid on receipt of the Goods, installation and commissioning upon submission of the documents specified in GCC/SCC and the acceptance certificate issued by the Purchaser.

9. Cover Details- DOCUMENTS TO BE UPLOADED:

Cover- 1 PreQual/Technical/Finance(Techno-Commercial Details

- 1.a) Catalogue/Brochure and Model Quoted
- b) Two(2) Purchase order copies from reputed Govt. Research Institutes for the same equipment to comply with minimum eligibility criteria.
- c) User list for the quoted model along with Contact Numbers and Email Id

- d) Warranty offered.
2. Bidder Information Form – Annexure-1;
 3. Manufacturer’s Authorisation Form – Annexure -2;
 4. Performance Statement Form – Annexure -5;
 5. Deviation Statement Form – Annexure – 6;
 6. Bidders must furnish a Compliance Statement of each and every required specification of our tender, Annexure-8;
 7. Documents establishing goods eligibility and conformity to bidding document; indicating the Indian Customs Tariff Number (ICT & HSN No.)
 8. Schedule of Requirements – (Refer Chapter 5 for Format)
 9. Declaration abiding by the Code of Integrity and no conflict of interest for public procurement – Annexure-11

Cover – 2 BOQ/Price Bid - Please mention amount in Rupees in all the columns, Please refer our web site www.cftri.res.in for Standard Terms & Conditions (1.12)

10. After technical evaluation, among technically qualified bids the Lowest bidder in BOQ will be awarded of Contract.

11. CSIR - Central Food Technological Research Institute, Mysuru is registered with the Department of Scientific and Industrial Research (DSIR) for purposes of availing Customs Duty exemptions in terms of Notification No.43/2017- Customs dt. 30.6.2017 and Concessional GST rates @5% in terms of Notification No: 45/2017 and 47/2017 Dt. 14.11.2017. Please refer our Standard Terms & Conditions uploaded in www.cftri.res.in for additional details.

CSIR-CFTRI’s GSTIN is 29AAATC2716R2ZA

P.S: Please refer to our Standard Terms & Conditions uploaded in www.cftri.res.in for format of annexure. Any other supporting documents to avail preference/benefits as per standard tender document must be uploaded with the technical bid for technical qualification.

Section Officer (S&P)
CSIR-CFTRI, Mysore

