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दूरभाष :
TELEPHONE :
तार : बार्क-मुंबई, चेम्बूर.
TELEGRAMS : BARC-MUMBAI, CHEMBUR.
फेक्स संख्या : ९१-२२-२५५० ५१५१
FAX NUMBER : 91-22-2550 5151



भारत सरकार

GOVERNMENT OF INDIA

भाभा परमाणु अनुसंधान केन्द्र

BHABHA ATOMIC RESEARCH CENTRE

ट्रॉम्बे,
मुंबई-४०० ०८५.
TROMBAY,
MUMBAI-400 085

URANIUM EXTRACTION DIVISION

Ref: - UED/P1.13/22/54819

Date: 22.7.22

TENDER No: BARC/UED/NO/22036

DUE DATE: 02.08.2022

Tender enquiry

Sub: - Calibration and repair of gas detector system in UED, BARC.

Dear Sir / Madam,

Quotations are invited on behalf of head, UED in sealed envelopes for above-mentioned subject as per following specific terms and conditions

(1) SCOPE OF WORK: -

- (a) Repair and Calibration of different type of gas sensors for Gas detectors system = 51 Nos.
- (b) During calibration if any sensor or controller is damaged, replacement of the sensor or controller is in the scope of the vendor.

- (c) Replacement of one NOX and one HF gas detector compatible of existing controller card of RK-220.
- (d) Testing canister should be provided by the vendors and should have proper validity certificate for the contents inside the canister.
- (e) After completion of the work, proper documentation & report of the work is to be submitted by the vendor
- (f) Repair and calibration of sensors will take place in the presence of BARC personnel only after installation.
- (g) Quantity of all the sensors is given in Table.

SPECIFICATION OF GAS DETECTOR UNIT:-

1. A Range of operation of the sensor = 0-10ppm
2. Accuracy of the detector = < 0.1ppm
3. Output of the Detector = 4-20mA
4. Temperature = Atmospheric temperature
5. Housing material for the sensor = SS304L preferred else SS316
6. Housing material for the detector is cast aluminium.
7. The system material should be IP68.
8. Local indication of the gas level is required.
9. Sensor should be electrochemical type
10. The gas detector unit signal should be compatible with fixed gas detection control card of RK-220 (Make:-Ambtronics) . Transmitter supply of existing detector unit is 24V DC and Output of detector should be 4-20 mA.

(2) QUANTITY OF WORK:-

Sr. No	Servicing and Calibration of sensors	Compatible with existing Model no	Range	Quantity
1.	NOX sensor	GT-2000-FLP	0-10 PPM	13 Nos.
2.	NOX sensor	ATS-105M/107 M	0-500 PPM	02 Nos.

3.	NH3 sensor	GT-1000-FLP/GT-2511 FLP	0-50 PPM	11Nos.
4.	HF sensor	GT-1000-FLP/GT-4000-FLP	0-10 PPM	09 Nos.
5.	H2 sensor	GT-2511 FLP	0-100% LEL	08 Nos.
6.	HC Sensor	IR-5000-FLP/GT-2511 FLP	0-100% LEL	05 Nos.
7	O2 Sensors	Ph-4316 (Nucon)	0-1999/0- 199.9 PPM	03 Nos.
Sr. No	Replacement of GAS detector	Compatible with existing control panel	Range	Quantity
1	NOX detector	RK-220	0-10 PPM	01 No.
2	HF detector	RK-220	0-10 PPM	01 NO.

(3) **PRICE:** Offer should be including the entire scope of work (calibration, taxes, packing and forwarding, transportation). Max possible break up price should be given in the offer, extra job, if any, will be on pro rata basis only.

(4) **WARRANTY:** Minimum 18 month after testing in BARC.

(5) **TESTING:** Gas sensor at BARC after calibration will be tested. All relevant test certificates and documents have to be submitted at the time of hand over. Testing canister should be provided by the vendors and should have proper validity certificate for the contents inside the canister.

(6) **VALIDITY:** Price should be valid throughout the contract period.

(7) **COMPLETION PERIOD:** The job is to be completed within **2 months** from the date of receipt of the order any delay which is liable to the contractor is liable for penalty @ 0.5% per week (5% maximum) to be imposed on the contractor.

(8) **IMPORTANT NOTE:**

Vendor/Contactor should have pre-cleared Security Vetting of his company/Firm as per BARC Security rules.

All workers/labors of the Vendor's/Contractor's Company/Firm should have valid PVC not expiring during the tender period (i.e., from the date of issue of this enquiry till completion of job after getting work order).

(9) **SAFETY:** Party should follow all the safety procedure while working inside BARC. During the execution of the work order party will be responsible for all safety precautions to be maintained in the work area. The party should arrange all the

safety appliances. As per BARC security norms, the contractor shall have to obtain in the police verification Certificate (PVC) to work inside BARC for all the persons to be employed for this work and be comply with all security regulations strictly. **Any injury/damage caused to the contractor's work force during execution of the job for any reason whatsoever shall be the liability of the contractor only. The vendor will be only responsible for any labor related dispute.**

(10) PAYMENT: 100% including taxes after receipt of the unit at our site, final acceptance of the total job and submission of the following documents:

1. Delivery Challan.
2. Advance Stamped Receipt.
3. Cancelled cheque.
4. Original Bill.
5. Guarantee certificate
6. Job completion certificate.
7. GST Undertaking as per Annexure-II
8. ITR Undertaking along with acknowledgement of last two years.

(11) TERMS AND CONDITIONS:

Note: [Reference: (2/Misc-9/Lgl/2001/92 dated April 30, 2001, BARC]

Confidentiality: No party shall disclose any information to any third party concerning the matters under this contract generally. In particular, any information identified as "Propriety" in nature by the disclosing party shall be kept strictly confidential by the receiving party and shall not be disclosed to any third party without the prior written consent of the original disclosing party.

This clause shall apply to the sub-contractors, consultants, advisers or the employees engaged by a party with equal force.

"Restricted information" categories under Section 18 of the Atomic Energy Act, 1962 and "Official Secrets" under Section 5 of the Official Secrets Act, 1923:

Any contravention of the above –mentioned provisions by any contractor, sub-contractor, consultant, adviser or the employees of a contractor will invite penal consequences under the aforesaid legislation.

Prohibition against use of BARC's name without permission for publicity purposes:

The contractor or sub-contractor, consultant, adviser or the employees engaged by the contractor shall not use BARC's name for any publicity purpose through any public media like Press, Radio, TV or Internet without the prior written approval of BARC.

Party should write clearly the Tender No. and due date on the top of envelope. Quotation should be submitted on printed letter head. Party should mention their own PAN No. and GST No. on top of quotation. Party should send the Quotation using Indian postal service only i.e. speed post, registered post or ordinary post only and should not send the Quotation by private courier service.

Thanking you,

A. Kalpa

Yours faithfully,

Namrata
20/07/22

Namrata Ojha
SA/E, HPS, UED
For and On Behalf of
President of India