



CENTRAL POLLUTION CONTROL BOARD
(Ministry of Environment and Forests, Government of India)

Parivesh Bhawan
Regional Directorate (West), Opposite VMC Ward Office 10,
Subhanpura, Vadodara-390023
Tel.: 0265-2392831-33, 2392985-86 Fax: 0265-2392987

ZOW/Tech-210/2017-18

Date: 11.05.2017

To

Sub.: Invitation of limited tender for supply, installation and commissioning of Top Loading Orifice at CPCB, Regional Directorate, Vadodara.

Central Pollution Control Board (CPCB) Regional Directorate, Vadodara is inviting two bid (One technical and One financial bid) sealed quotations for the supply, installation and commissioning of Top loading orifice for the Ring test & Static injection facility (Calibration lab) as per the specification provided and conforming to national standard. The specifications are provided in **Annexure-1** and the general terms and conditions are as follows:

Terms and conditions:

1. The rate quoted should be net i.e. inclusive of all taxes, freight charges, installation and commissioning, etc. No increase in rate shall be allowed. The rates should be quoted in figures as well as in words.
2. Specification given are generalised in nature and not exhaustive. However, the bidders should primarily adhere to the specifications given in **Annexure-1**. Any advanced feature should be highlighted in the format given in **Annexure-2** to improve the competitiveness of the bidder.
3. The entire items should be treated as single package and any sub-letting is not allowed. Therefore, the eligible bidder should quote for the entire set of required items.
4. The installation, commissioning and performance testing will be within the scope of supplier. The bidder should also provide detailed manual of equipment wherever available. The bidder should be competent enough to supply all tendered items. They should also produce enough documents to prove their good track records in the field of manufacturing/supply of similar equipment to other parties.

5. The rate quoted should be valid for at least three months from date of opening of the Technical Bid. Rate quoted for a shorter period i.e. less than three months from the date of opening of quotations will be rejected. However, the extension of the validity of the quotation beyond three months will be subjected to mutual agreement between competent Authority of CPCB and the supplier.
6. The price bid should clearly super scribe “**Financial Bid**” and the technical bid should be clearly super scribe “**Technical Bid.**” All the technical information related to tendered items shall be submitted along with technical bid. Both Financial and Technical bid should be sealed separately and then contained and sealed in an envelope super-scribing “**Quotation for supply and installation of Top Loading Orifice for CPCB RD(W) Vadodara**” and mentioning our letter number and last date of submission of quotation.
7. The Technical bid at a minimum should contain detailed specifications of offered **Top Loading Orifice**, Brochure of product, List of clients using your similar equipment, etc. It should be noted that mere quoting of lowest rates will not entitle any bidder to get the order. All the terms and conditions such as specifications, validity, warranty period, post installation service provisions, taxes etc. will be used as parameter to shortlist/ evaluate the successful bidders.
8. Price bid should contain the unit price and summed up as cumulative price and inclusive of all Taxes/Octrai etc. in detail in figures as well as in words. All other supporting documents and salient features should be enclosed with Technical bid only as the financial bid will only be opened for the bidder whose quotation will match with the specification attached as **Annexure-1** and preference may be given to the supplier who quotes with additional features (if any) and product performance at the other places where the similar system is installed by the bidder. Bidders are advised to use the format given in **Annexure-2, Annexure-3** and **Annexure-4** while bidding. **Annexure-2** and **Annexure-3** should be submitted in technical bid envelope.
9. The **last date of receipt of bid is 5/06/2017 upto 15:00 hours** and the technical bid will be opened on the same day at 16:00 hours. The bids received after the deadline will not be considered.
10. The date and time for submission of quotations or opening of bids is normally fixed but may be extended by Competent Authority at his/her sole discretion.
11. The competent authority of CPCB reserves the right to accept or reject any or all the bids and placing the purchase order.
12. **Material supply:** The complete set (one set) of Top Loading Orifice is required to be supplied, installed and commissioned **within 4 weeks** of date of placing of confirmed order by CPCB. Failure if any may be liable to cancel the order. However, on request of successful bidder, CPCB may or may not extend the timeline beyond four weeks for supply, installation and commissioning of Top Loading Orifice at its sole discretion.

13. If the material is found to be substandard and not meeting the specification quoted, the supply order shall be cancelled without any prior information and or without any financial payment.
14. **Payment terms and conditions:** No advance payments will be made. All the payments will be made either through online transfer of amount to your account or through cheque only and in Indian currency (rupees) after satisfactory supply and installation of material and production of bills/invoice in duplicate along with CST/GST numbers. The 90% of payments will be released after supply, installation and leak check and balance 10% will be released after satisfactory performance of installed equipment after completion of one year. The one year period shall be reckoned from the date of installation of complete items. Therefore, only 90% of the total quoted price by the successful bidder should be claimed after satisfactory supply and installation. The balance 10% retaining amount will have to be claimed by invoice or bills after completion of one year and performance certificate from the relevant CPCB end user.
15. **Post installation Service:** The competent servicing engineer of the supplier will have to make two visits after installation and commissioning free of charges within one year period, if any operational issue arises. The copy of visit/ service report will have to be submitted along with invoice/ bills of the material at the time of claiming retention amount. The equipment should have at least one year warranty. The warranty period should be clearly specified in technical bid.
16. **Correspondences:** All the communication/ materials receipt should be in the name of **The Regional Director, Regional Directorate (West), CPCB, Near VMC Ward Office -10, Subhanpura, Vadodara-390023, Gujarat.**
17. All correspondences should be made either through courier or registered/ speed post. Transition loss of any kind in sending the quotations/materials will be the responsibility of bidders.
18. **Clarifications and dispute:** All typographical errors are subject to corrections. In case of any dispute the decision of Chairman, CPCB will be final and binding on both the parties.

Yours faithfully,

(B.R. Naidu)
Regional Director

**TECHNICAL SPECIFICATIONS FOR TOP LOADING ORIFICE FOR
CALIBRATION OF RDS OR PM10 SAMPLERS**

**Scope of work: Supply, installation and commissioning of Top Loading Orifice at CPCB,
Regional Directorate, Vadodara**

1. **Equipment Name: Top loading orifice** having following equipment to make one set. This item is required for calibration of PM10 samplers or Respirable dust samplers.
2. **Component-1. Orifice:** The RDS or PM 10 sampler's orifice should consist of a 3.175 cm (1.25 in) diameter hole in the end cap of 7.62cm (3 in) diameter by 20.3 cm (8 in) long hollow metal cylinder. A small tap on the side of the cylinder (5 cm from the top) is provided to measure the pressure drop across the orifice.
3. **Component-02 – Filter Support Plates:** Filter support plate (s) with gaskets for RDS or PM 10 samplers of any make to hold the orifice.
4. **Component-03-Resistance Plates:** Five Nos. multi-hole resistance plates (5, 7, 10, 13 and 18 holes) and suitable gaskets for leak free joints. (The 18- hole metal plate simulates the resistance of a clean glass–fiber filter while other plates represent a filter with increasingly heavy dust loading).
5. **Component-4- Manometer:** A calibrated pressure gauge or water manometer spanning 0 to 15 inches of water (0-4kPa) to determine the pressure drop across the orifice.
6. **Component-5- Barometer:** Digital barometer to measure the barometric pressure at the time of calibration in hPa and/ or mmHg.
7. **Component-6-Certified Thermometer:** Thermometer (0-50⁰C) with Certificate Traceable to National/International agency.

APPLICATION FORM

(To be filled by the bidder and submitted in technical bid envelope)

| | | | |
|----|--|---|--|
| 1. | Name and full address of the Bidder including Telegraphic Address/Telex No. and Fax No. | : | |
| 2. | Name and Designation of the Head of the Firm/supplier and his Telephone No. | : | |
| 3. | Name, Designation, Address, Telephone & Fax Numbers of the Authorized Person who may be contacted during the process of the purchase concerned under this document | : | |
| 4. | Whether the items are quoted for complete facility | : | |
| 5. | Whether the items as per specifications given (Any change should be highlighted in Annexure-3) | : | |
| 6. | Validity of Tender | : | |
| 7. | If the tender documents are accepted in full (Yes or No) | : | |
| | Income Tax Clearance Certificate attached (Latest) (Yes or No) with PAN Number | : | |

Place:

Date :

Legally Binding Signature with stamp

TECHNICAL BID FORM

| Item No. | Name | Quantity | Specifications | Deviation if any |
|----------|---|----------|--|------------------|
| 1. | Top loading Orifice calibration Unit (for calibration of RDS or PM 10 samplers) | | <p>A. Item No. 01- ORIFICE: The RDS or PM 10 samplers orifice should consist of a 3.175cm (1.25in) diameter hole in the end cap of 7.62cm (3 in) diameter by 20.3 cm (8 in) long hollow metal cylinder A small tap on the side of the cylinder (5 cm from the top) is provided to measure the pressure drop across the orifice.</p> <p>Item No. 02 – Filter Support Plates: Filter support plate (s) with gaskets for RDS or PM 10 samplers of any make to hold the orifice.</p> <p>Item No 03-Resistance plates: Five Nos. multi-hole resistance plates (5, 7, 10, 13 and 18 holes) and suitable gaskets for leak free joints. (The 18- hole metal plate simulates the resistance of a clean glass–fiber filter while other plates represent a filter with increasingly heavy dust loading).</p> <p>Item No 4- Manometer: A calibrated pressure gauge or water manometer spanning 0 to 15 inches of water (0-4kPa) to determine the pressure drop across the orifice.</p> <p>Item No.5- Barometer: Digital barometer to measure the barometric pressure at the time of calibration in hPa and/ or mmHg.</p> <p>B- Certified Thermometer: Thermometer (0-50°C) with Certificate Traceable to National/International agency.</p> | |

Note: Separate technical specification brochure / leaflet must be attached for justification.

(Signature with Date & Stamp of the Bidder)

