

INVITATION OF QUOTATION

To

M/s.

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Subject: Quotation for Supplying Flue Gas Analyzer.

- A.** Punjab State Council for Science & Technology is a Scientific and Industrial Research Organization approved by Department of Scientific & Industrial Research (DSIR) and Central Govt., Department of Finance under clause (ii) of subsection (i) of section 35 of Income Tax Act 1961. We require flue gas analyzer for carrying out R&D work and Energy Audit in industries such as Brick Kilns, Re-rolling Mills, Rice Shellers, Foundries and Boilers etc. The work environment in these industries is generally quite dusty. These industries are using furnace oil/coal/coke/biomass/natural gas as fuel.
- B.** Sealed technical & financial bids in separate envelopes, enclosed in one single envelop super scribing the name of instrument, are invited from sole manufactures, authorized stockists sole selling agents along with detailed technical specifications for supply of following instrument:

Name of Instrument	Details of technical specifications
Flue Gas Analyzer	Page 2

TERMS & CONDITIONS

1. Submission of Quotation

- 1.1 The bid for instrument is to be submitted in Separate Sealed Envelopes as:

Envelope . I Name of instrument : Technical bid

Envelope . II Name of instrument : Financial bid

All the sealed envelopes shall be enclosed in one single bid super scribing the name of instrument.

- 1.2 The technical bid shall be evaluated first and financial bids shall be opened later of those who qualify the technical bid.

2. Technical Bid

- 2.1 Give detailed specifications, mere submission that the specifications are as per quotation notice or mere copying down the specifications shall lead to rejection.
- 2.2 The specifications are only guidelines but the model quoted must incorporate all the features laid out in the specifications
- 2.3 The party should preferably quote for only one model whose features are similar to or better than the given specifications
- 2.4 There should be clear differentiation between main unit, optional accessories and spare kit while quoting.

SPECIFICATIONS

Sr. No.	Description of Services required	Technical specifications	Resolution	Qty.	Delivery Period
1	Supply of Flue Gas Analyzer	<p>a) Flue gas analyzer with specifications:</p> <ul style="list-style-type: none"> • O₂ : 0-21% • CO₂ (Calculated) • CO (H₂ compensated) : 100000ppm • Flue temperature : 0-1000°C • Inlet temperature 0-45°C • SO₂ : 5000 ppm • Diff. Pressure: ±100mbar • Provision for fixing of NO_x, CO₂ NDIR and HC sensors <p>b) Other Accessories</p> <ul style="list-style-type: none"> ○ Pitot tube ○ Probe length : 1m with 3 m hose tube which can withstand temperature of flue gas up to 1000°C ○ Printer ○ Carry case ○ Battery Charger ○ Calibration certificate ○ O&M manual ○ Software 	<p>0.1%</p> <p>0.1%</p> <p>1ppm</p> <p>0.1°C</p> <p>0.1°C</p> <p>1ppm</p> <p>0.1mbar</p>	1 No.	4 weeks (F.O.R. Chandigarh)

3. Bid Price

- 3.1 All duties, taxes and other levies payable on the services shall be quoted separately to arrive at the total cost of instrument.
- 3.2 Corrections, if any, shall be made by crossing out, initialling dating and re-writing.

- 3.3 The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subjected to adjustment on any account.
- 3.4 The prices shall be quoted in Indian Rupees only.
- 3.5 The damage/loss during transportation of instrument has to be borne by the supplier.

4. Validity of quotation

Quotation shall remain valid for a period for 45 days after the deadline date specified for submission. The quotation should include:

- 4.1 Supporting documents in proof of sole manufacturer, authorized stockists and sole selling agents are to be submitted alongwith the quotation.
- 4.2 List of actual users, original technical literature/ catalogue of the instrument.
- 4.3 The rates for all sensors i.e. O₂, CO₂ NDIR, CO, HC, NO, NO₂, SO₂, and battery and calibration charges shall be valid for 3 years from the date of supply of instrument.

5. Warranty

- 5.1 The supplier shall give performance warranty for two years from the date of satisfactory supply of instrument. Any malfunctioning/ failure of any part shall be repair/replaced to the satisfaction of the competent authority without any cost.
- 5.2 The supplier shall also certify service backup including commitment for the availability of the spare of the system for a minimum period of 5 years from the date of supply of instrument.
- 5.3 In case of any breakdown of the instrument, during the warranty period, PSCST reserves the right to get the repair done at the risk, cost and responsibility of the supplier. If the supplier fails to do so within a reasonable time period, punitive action as considered suitable by PSCST may be taken against the supplier.

6. Evaluation of Quotations

The purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which

- 6.1 Are properly signed; and
- 6.2 Conform to the terms and conditions
- 6.3 Where there is a discrepancy between the rate in figures and words, the rates in words will govern.
- 6.4 Where there is discrepancy between the unit rate and the line items total resulting from multiplying the unit rate by quantity, the unit rate quoted shall govern.
- 6.5 The quotation would be evaluated for the entire items together as per the description of services and specifications. No preference shall be given for higher specifications/efficiency.

7. Award of contract

PSCST will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

- 7.1 Notwithstanding the above, PSCST reserve the right to accept or reject any quotations at any time prior to the award of contact.
 - 7.2 The bidder, whose bid is accepted, will be notified of the award of contract by the PSCST prior to expiry of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.
8. Payment shall be made within 30 days after delivery of the instrument.
 9. You are requested to submit you quotation latest by **15:00 hrs on 12.05.2016**.
 10. The quotations shall be opened on **15:30 Hrs. on 12.05.2016** in the presence of suppliers.

We look forward to receiving your quotations.

**Senior Engineer
Punjab State Council for Science & Technology,
Sector 26, Chandigarh**

CHECKLIST OF ENCLOSURES FOR TECHNICAL BID

1. Technical specifications of the proposed instrument offered alongwith Technical literature/Catalogue in original.
2. Copy of quotation Letter duly signed and stamped in token of acceptance to the terms and conditions.
3. Supporting documents in proof of sole manufacturer, authorized stockists and sole selling agents are to be submitted alongwith the quotation.
4. List of actual user agencies
5. Warranty for two years from the date of satisfactory supply of instrument.
6. Certificate for service backup including commitment for the availability of the spare of the system for a minimum period of 5 years from the date of supply of instrument.
7. Any other.

FORMAT FOR QUOTATION

Sr. No.	Description of Services required	Technical specifications	Qty.	Quoted Unit Rate (Rs.)		Total Amount (In Rs.)
				In figures	In words	
1	Supply of Flue Gas Analyzer	<p>a) Flue gas analyzer with specifications:</p> <ul style="list-style-type: none"> ○ O2 : 0-21% ○ CO2 (Calculated) ○ CO (H2 compensated) : 100000ppm ○ Flue temperature : 0-1000°C ○ Inlet temperature 0-45°C ○ SO₂ : 5000 ppm ○ Diff. Pressure: ±100mbar ○ Provision for fixing of NO_x, CO₂ NDIR type and HC sensors <p>b) Other Accessories</p> <ul style="list-style-type: none"> ○ Pitot tube ○ Probe length : 1m with 3 m hose tube which can withstand temperature of flue gas up to 1000°C ○ Printer ○ Carry case ○ Battery Charger ○ Calibration certificate ○ O&M manual ○ Software 	1 No.			
		<p>c) Consumable:</p> <ul style="list-style-type: none"> ● Moisture trap filters ● Gas filters ● Paper roll for printer 	20 Nos each			
Total						
Taxes and Duties (Pl. Specify)						
Gross Total Cost						

2	Rates for sensors for flue gas analyser	(Not to be considered while evaluating quotations) <ul style="list-style-type: none"> • O2 : 0-21% • CO (H₂ compensated) : 100000ppm • SO₂ : 5000 ppm • NO : 4000ppm • NO₂ : 500 ppm • CO₂ NDIR type : 30% • HC : 0-5000ppm 				
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Gross Total Cost : Rs.

I/We agree to supply the above services in accordance with the description of services to a total contract price Rs./- (in figures) (Rs.....) within the period specified in the invitation for quotations.

I/We hereby certify that we have taken steps to ensure that no person acting for use or on our behalf will engage in bribery.

Signature with Rubber Stamp