

Tender No. DPCC/(12)(1)(195)Lab(A)2018/2539

Dated: 11.10.2024

Notice Inviting Tender (NIT) through e-Procurement

A. Delhi Pollution Control Committee invites E-Tender through e-Procurement Portal from Laboratories accredited with Ministry of Environment, Forest & Climate Change (MoEF&CC)/NABL for the following work in Delhi on urgent basis:-

Special Monitoring of Ambient Air during Deepawali festival 2024.

- The E-Tender documents will be available on e-Procurement portal / DPCC website.
- Interested bidders may submit their bid online through e-Procurement portal for above work.

B. CRITICAL DATE SHEET

Description	Date	Time
Date of Publishing	11.10.2024	4:30 PM
Bid Documents Download/Start date	11.10.2024	4:30 PM
Bid submission Start Date	11.10.2024	4:30 PM
Bid submission End Date	16.10.2024	4:30 PM
Bid Validity Date	60 days	
Technical Bid Opening Date	16.10.2024	4:40 PM
Financial Bid Opening Date	Will be intimated after Technical Evaluation	
*Tender will be open online at 4 th Floor ISBT Kashmere Gate Delhi-110006		

*DPCC reserves the right to withdraw, modify and/or cancel the Tender without assigning any reason whatsoever.

C. ELIGIBILITY CRITERIA

Following essential documents shall be uploaded with Technical Bids (Only uploaded relevant documents.)

Technical Bid Requirements:

1. The laboratory submit Earnest Money Deposit (EMD) of Rs. 30,000/- (Rupees Thirty thousand only) in the form of Bank Guarantee/Demand Draft/FDR drawn in favor of Delhi Pollution Control Committee payable at Delhi, reach at this office on or before the last date of submission of bids and upload the scanned copy of the same with Tender along with technical quotations.
2. The laboratory have registration certificate of GST
3. The Laboratory is recognized under Environment (Protection) Act, 1986 from Ministry of Environment, Forest and Climate Change, GOI (MoEF&CC).
4. The laboratory has NABL Accreditation

5. The tenderer have its own laboratories and functional at least since last 03 financial years.
6. The laboratory will provide work order/supporting documents regarding work experience regarding Ambient Air Monitoring / similar nature of work done in the past.
7. Annual turnover / financial status: - To analyse the financial position of the laboratory, annual turnover of Rs. Fifty Lakhs of the laboratory may be incorporated and a certificate from Chartered Accounts containing annual turnover of the firm for last 03 financial years may be submitted.
8. Checklist as per Annexure-A must be submitted with the bid.

D. TWO BID SYSTEM TENDERS

- a) **Technical Bid:**-Technical bids containing mandatory documents as asked under Eligibility criteria should be submitted only online. Only one envelope containing EMD in original should be deposited in the office of Delhi Pollution Control Committee, 4th floor Kashmere Gate ISBT Building, Delhi 110006 before the last date.
- b) **Financial Bid:** - Financial bid shall be submitted only online mode in Tender in prescribed format (TABLE 1)

E. SCOPE OF WORK:-

1. Special Monitoring of Ambient Air during Deepawali festival 2024 for 15 days monitoring commencing from 24th October 2024 at 6:00 am.

Pre Deepawali (7 days before Deepawali)

On Deepawali Day – 31st October 2024

Post Deepawali (7 days after Deepawali)

2. For Analysis of Parameters like PM₁₀, PM_{2.5}, SO₂, NO₂ and Metals (Pb, Ni, & As in PM₁₀), the CPCB guidelines Vol-1 may be adopted. For Metal/ Element Analysis in PM_{2.5} (PTFE filter), EDXRF is the best option or other suitable method (ICP-MS/ICP-AES) may also be adopted.
3. To maintain the uniformity in Ambient Air Quality Monitoring, the monitoring Protocol & datasheets at **Annexure II, III & V** may be adopted.
4. The laboratory should have facilities and the monitoring will be done with all responsibilities as per CPCB guidelines Volume - I and as **per annexure II, III & V (copy of CPCB Annexure are enclosed for reference)**.
5. The monitoring will be done for consecutive 15 days (commencing from 7 days before Diwali, 24 hours duration) at 3 locations in Delhi (i) Satyavati College, Ashok Vihar (ii) ITI Shahdara, Vivek Vihar, (iii) NITRD, Shri Aurobindo Marg, near DPCC CAAQM stations or as applicable in Delhi.
6. The laboratory submit the analysis report **as per annexure** provided by CPCB within 7 days.
7. The approximate cost of Deepawali Monitoring 8 Lakhs.

F. GENERAL TERMS AND CONDITIONS

1. **The laboratory shall quote the rates for above scope of work in the prescribed (table)** enclosed with the tender and rate quoted shall not be more than notified rates of MoEF& CC.
2. The technical bids will be opened and examined individually for short listing the vendors. The Commercial/financial bids of only those vendors who have qualified technically will be opened /considered and compared.
3. The qualified laboratory will be short listed for sampling and subsequent analysis of related parameters or as per requirement as and when required.
4. The short listed laboratory may be assigned work at different locations in Delhi for which date/Time of sampling will be communicated as and when required in general.
5. The laboratory shall make all arrangement for travel, accommodation, local transportation, setting of instruments in sites, electricity, safety and security of instruments & personals and all other requirements for monitoring at respective sites for which **all inclusive cost may be quoted in financial part of bid.**
6. In case of instrumental failure, the faulty instrument should be immediately replaced to avoid loss of data.
7. Results/data/ graphs and other relevant documents should be submitted as per standard within 07 days or earlier.
8. The contract will be valid **for a period of one year from** the date of award the contract which may be extended (if required) for further one year subject to satisfactory service and on the same rates, terms & Conditions.
9. No Tender can be withdrawn after the deadline for online submission of tender and before expiry of validity period.
10. The successful bidder shall have to deposit the performance security of an amount of Rs. 50,000/- (Rupees Fifty Thousand only). The validity of performance security should be 14 months from awarding the contract. If at any stage, the tender deviates from the terms and conditions of such contract agreement or his performance are found to be unsatisfactory, the contract agreement shall be liable to be terminated without any notice and the performance security shall be forfeited.
11. Monitoring may be conducted in different locations in Delhi .
12. The Executing agency shall co-ordinate with the officers / officials of DPCC for efficient monitoring and sampling works. DPCC may depute officer(s) to verify the progress of monitoring work. Further, DPCC may also depute officers / officials to verify the progress of monitoring work and check the analytical work at the reference laboratory of the Agency(ies) and in the process, may undertake surprise visits to the analytical laboratory of the agency/monitoring locations in any of sites.
13. All the information and data generated or collected during the execution of the work shall be treated as confidential and shall be the sole property of DPCC and the findings of the study shall not be published without prior permission of DPCC.
14. DPCC at its discretion may extend the last date of submission of bids / opening of bids. The final authority for acceptance of bids will rest with Competent Authority (DPCC) who does not bind himself to accept the lowest bids and is vested with the authority to reject any or all the bids without assigning any reason at any stage.

15. It shall be at the sole discretion of the Competent Authority, DPCC either to defer the entire project or part of the project or reject any proposal without assigning reasons thereof.
16. Annual turnover / financial status: - To analysis the financial position of the laboratory, condition of annual turnover of the laboratory may be incorporated and a certificate from Chartered Accounts containing annual turnover (Fifty Lakhs per year) of the firm for last 03 years may be submitted.
17. Statutory requirement: - The successful bidder shall be solely responsible for compliance of all statutory obligations under central / Delhi state government enactments from time to time and maintain all related record / returns. DPCC shall, in no way, be responsible for any default / liability for compliance of statutory obligations.
18. Penalty - On the breach of any terms and condition of this contract by the bidder, the Competent Authority of the organization shall be entitled to forfeit the earnest money, security deposit and the balance thereof that may be at the time be remaining and to realize and retain the same as damages and compensation for the said breach but without prejudice to the right of the said Committee to recover any further sums due or which may be come due to the contractor by DPCC or otherwise whatsoever as per rule.

All Terms & Conditions will be accepted by the Bidders

G. ARBITRATION

Any dispute arising out of this purchase shall be referred for settlement through arbitration proceedings. Arbitration procedure will be as per Indian Arbitration and Conciliation Act, 1996. The arbitrator will be appointed by the Chairman DPCC.


H. FORCE MAJEURE

- (a) Any delay or failure in the performance by either party hereunder shall be excused if and to the extent caused by the occurrence of a Force Majeure. For purposes of this agreement, Force majeure shall mean a cause or event that is not reasonably foreseeable or otherwise caused by or under the control of the party claiming Force Majeure, including acts of God, fires, floods, explosions, riots, wars, hurricane, sabotage terrorism, vandalism, accident, restraint of government, governmental acts, injunctions, labour strikes, other than those of seller or its supplier, that prevent laboratory from furnishing the information, and other like events that are beyond the reasonable anticipation and control of the party affected thereby, despite such party's reasonable efforts to prevent, avoid, delay, or mitigate the effect of such acts, events or occurrences, and which events or the effects thereof are not attributable to a party's failure to perform its obligations under this agreement.
- (b) If a force majeure situation arises; the laboratory shall promptly notify the DPCC in writing of such conditions and the cause thereof. Unless otherwise directed by the DPCC in writing, the contract as far as reasonably practical, shall seek all reasonable alternatives means for performance not prevented by the force majeure event. Any of the parties may terminate this contract, by giving a written notice of minimum thirty days to the other party if as a result of force majeure, the other party being unable to perform its obligation as per this contract for a period of more than sixty days.

I. PAYMENT TERMS

- i. Payment shall be made after completion of the monitoring, sampling and analysis and on submission of the reports satisfactory and submission of bill (in duplicate) after completion of work subject to satisfactory reports.
- ii. The project shall be implemented as per the rates finalized and DPCC will not provide any additional fund on account of cost escalation due to delay in project implementation or due to any other reasons whatsoever.
- iii. For any delay in submission of the report beyond the specified period, penalty @ Rs. 500/- per week of the project cost shall be charged, maximum upto 15% of the project cost.

This issue with the approval of competent authority.


(Dr. Nandita Moitra)
Incharge Air Lab

Copy to:-

1. Dy. Director (IT):- with request to upload on DPCC website.

CHECK LIST**(FOR SUBMISSION OF DOCUMENTS)**

S.No.	Documents to be submitted as per eligibility criteria	Documents submitted (Yes/ No)	Remarks. In case documents not attached.
1.	The laboratory submit Earnest Money Deposit (EMD) of Rs. 30,000/- (Rupees Thirty thousand only) in the form of Bank Guarantee/Demand Draft/FDR drawn in favor of Delhi Pollution Control Committee payable at Delhi, reach at this office on or before the last date of submission of bids and upload the scanned copy of the same with Tender along with technical quotations.		
2.	GST registration certificate		
3.	The Laboratory is recognized under Environment (Protection) Act, 1986 from Ministry of Environment, Forest and Climate Change, GOI (MoEF&CC).		
4.	The laboratory has NABL Accreditation		
5.	The tenderer have its own laboratories and functional atleast last 03 financial years.		
6.	The laboratory will provide work order/supporting documents regarding work experience regarding Ambient Air Monitoring / similar nature of work done in the past		
7.	Annual turnover / financial status (Fifty Lakhs) : - Copy of Annual turnover duly certified and authenticated by Chartered Accounts for last 03 financial years submitted		

Prescribed Format For Quoting Rates (Table 1)

TABLE-1.Ambient air quality monitoring and analysis as per Standard

S.No	Type of Sampling	Charges (in Rs.)	Total (in Rs.) including GST
1	Sampling (8hr x 3, i.e. 24 hrs) for suspended particulate matter and gaseous pollutants		
2	Analysis charges for Ambient Air/Fugitive Emission samples		
	SO ₂		
	NO ₂		
	PM ₁₀		
	PM _{2.5}		
	Pb,Ni &As in PM ₁₀		
	Al,Ba &Fe in PM _{2.5}		
3	Transportation charges for (24 hrs, 8hrs x3) monitoring at each location.		
4	Miscellaneous all other charges per day for each location.		

Rates of all parameters must be submitted separately. For comparison purpose total charges will be compared

CENTRAL POLLUTION CONTROL BOARD, DELHI
AMBIENT AIR QUALITY OF DELHI

DATA SHEET FOR PM₁₀ & PM_{2.5}

Station:				
Date				
Parameter	PM₁₀			PM_{2.5}
Shift	Ist Shift	IInd Shift	IIIrd Shift	24hour
Monitoring Period	06:00AM-02:00PM	02:00PM-10:00PM	10:00PM-06:AM	06:00AM-06:00AM
Filter Paper No.				
Hourly Flow Rate (m³/minute)				
Average Flow Rate (m³/minute for PM₁₀)(litre/min for PM_{2.5})				
Total Operation Time (Minutes)				
Initial Weight of Filter Paper (gms.)				
Final Weight of Filter Paper (gms.)				
Dust Contents (gms.)				
Total Volume of Air Sampled (m³)				
Concentration (µg/m³)				
24 Hourly Average (µg/m³):				
Remarks:				
Name & Signature of Official on duty:				

CENTRAL POLLUTION CONTROL BOARD, DELHI**AMBIENT AIR QUALITY OF DELHI****DATA SHEET FOR GASEOUS AIR POLLUTANTS**

Station:									Date:			
Shift	Ist Shift				IInd Shift				IIIrd Shift			
Monitoring Period	06:00AM-10:00AM		10:00AM-02:00 PM		02:00PM-06:00PM		06:00PM-10:00PM		10:00PM-02:00AM		02:00AM-06:00AM	
Parameter	SO₂	NO₂	SO₂	NO₂	SO₂	NO₂	SO₂	NO₂	SO₂	NO₂	SO₂	NO₂
Hourly Flow Rate (lpm)												
Average Flow Rate (lpm)												
Total Operation Time (Minutes)												
Initial Volume of Sample (ml)												
Final Volume of Sample (ml)												
Volume Taken For Analysis (ml)												
Total Volume of Air Sampled (lit.)												
Absorbance (Blank)												
Absorbance (Sample)												
Concentration (µg/m³)												
24 Hourly Average SO₂ (µg/m³):					24 Hourly Average NO₂ (µg/m³):							
Remarks:												
Name & Signature of Official on duty:												

Annexure-V

Ambient Air Quality monitoring data during Deepawali festival (24.10.2024 to

07.11.2024):Data / Observations:

Name of the location :										
Date	Regulatory parameters							Proposed New Parameters		
	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	Metals in PM ₁₀			Metals /Elements in PM _{2.5}		
					Pb (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Al (µg/m ³)	Ba (µg/m ³)	Fe (µg/m ³)
24.10.2024										
25.10.2024										
26.10.2024										
27.10.2024										
28.10.2024										
29.10.2024										
30.10.2024										
31.10.2024										
01.11.2024										
02.11.2024										
03.11.2024										
04.11.2024										
05.11.2024										
06.11.2024										
07.11.2024										
