



**CENTRAL POLLUTION CONTROL BOARD
DELHI**

BACKGROUND NOTE

Notice inviting Expression of Interest (EOI) for "Data Display & Data Supply from Continuous Ambient Air Quality Monitoring Stations setup under Build, Own, Operate and Transfer (BOOT) Mode"

1. Preface

Central Pollution Control Board is the apex body of the Ministry of Environment & Forests and created under Water (Prevention & Control of Pollution) Act 1974. Later activities as entrusted in Air (Prevention & Control of Pollution) Act 1981 also added to this organisation. The responsibility has been further emphasized under Environment (Protection) Act, 1986. The predominant function is to lay down the ambient air quality standards for the country and to monitor; compilation of data & its publication. The ambient air quality objectives / standards are pre-requisite for developing programme for effective management of ambient air quality and to reduce & minimize the damaging effects of air pollution.

2. Objectives

Ambient Air Quality monitoring is an important part of air quality management and is essential for the implementation of air quality legislation, particularly, in compliance with emissions and ambient air quality standards. Air quality being a concern for all, the knowledge on instantaneous air quality data has become a need for the society. The instantaneous data may also become relevant for depicting real-time generic information in the form of NAQI has been taken as one the priority of concern for CPCB. Hon'ble Prime Minister has launched National Air Quality Index (NAQI) developed by CPCB on 6th April 2015 that will provide information about air quality to the people in easily understandable terms.

The major objectives of the air quality monitoring are:

- (a) To determine present Air Quality status and trends;
- (b) To assess the health hazard;
- (c) To provide background air quality data as needed for industrial siting and town planning; and
- (d) To control and regulates pollution from industries and other sources to meet the air quality standards.

These data once started displaying at respective locations, would not only bring awareness among public in general but also invite participating role in the prevention & control of air pollution at respective areas. The data may also be linked with all developmental authorities in respective areas so as to build a link between air quality objectives & developmental subject activities.

To undertake this activity at the national level and also to cover major population of urban areas, it is principally decided to install Continuous Ambient Air Quality Monitoring Stations (CAAQMS) in 46 numbers of million plus cities in the country and state capitals in phases.

3. Scope of Expression

With a view to expand ambient air quality monitoring network including data capture, data transmission, data storage, trend analysis, National Air Quality Index (NAQI), CPCB proposes to strengthen the monitoring network in urban areas across the country initially with setting up of 62 nos. of CAAQM stations in 31 Cities of 17 States during 2016-17 as shown in the table below. These stations will be installed on Build, Own, Operate and Transfer (BOOT) basis for the duration of 7 years and after the completion of 7th year, these stations will be transferred to the respective SPCBs / PCCs on working condition and Zero Cost Basis. From 8th year onwards till 10th year, these stations shall be operated on O & M Contract basis and payment shall be made by concerned State Pollution Control Boards / Pollution Control Committees (SPCBs / PCCs).

To achieve the goal, CPCB is looking for suppliers / manufacturer of Continuous Ambient Air Quality Monitoring Stations for "**Data Display & Data Supply**" for 7 years from 62 locations across the country from CAAQMS setup under Build, Own, Operate and Transfer (BOOT) mode. All the Technical Specifications of analysers, Data Acquisition System and Peripherals shall be provided by CPCB. Method of measurement used shall also comply with the stipulation on National Ambient Air Quality Standards (NAAQS) 2009 (Details of Methods of Measurement is available at MoEF and CPCB websites). The data should be at-least 80% validated every month. CPCB will provide the list of locations & zone wise distribution.

The centralize data purchase will be done through International Competitive Bidding (ICB) and applicable GFR procedure.

Table: Installation of CAAQMS in Million-plus Cities and State Capitals

S. No.	Zone	City	No. of CAAQMS	State
01.	South	Vishakhapatnam	01	Andhra Pradesh
02.		Madurai	02	Tamil Nadu
03.	Central	Kota	02	Rajasthan
04.		Raipur	03	Chhattisgarh
05.		Indore	03	Madhya Pradesh
06.		Jabalpur	03	
07.		Bhopal	03	
08.		Gwalior	03	
09.	East	Agartala	01	Tripura
10.		Shillong	01	Meghalaya
11.		Kolkata	05	West Bengal
12.		Howrah	01	Jharkhand
13.		Dhanbad	01	
14.		Ranchi	03	Bihar
15.		Patna	02	
16.		Bhubaneswar	02	
17.	West	Rajkot	02	Gujarat
18.		Vadodara	02	
19.		Surat	01	
20.		Thane	02	Maharashtra
21.		Navi Mumbai	01	
22.		Nagpur	01	
23.		Mumbai	01	
24.		Pimpri – Chinchwad	02	
25.	North	Dehradun	01	Uttarakhand
26.		Delhi	02	Delhi
27.		Faridabad	01	Haryana
28.		Varanasi	02	

S. No.	Zone	City	No. of CAAQMS	State
29.		Lucknow	02	Uttar Pradesh
30.		Meerut	03	
31.		Allahabad	03	
Total		31 Cities	62 CAAQMS	17 States

4. Technical Specifications

All the technical specifications of CAAQMS including platform, container, analysers, monitors, computers, LED board, calibration system, DAS etc will be provided by Central Pollution Control Board at the time of tendering.

5. Period

The entire project of procurement, installation and commissioning of 62 Nos. of CAAQMS in 62 locations in 31 cities has to be completed in 09 (nine) months after receiving the supply orders.

6. Eligibility Criteria

CPCB invites Expression of Interest from eligible suppliers / manufacturers / Joint Ventures for setting up of 62 Nos. of CAAQM Stations in different locations on BOOT basis in the country. The bidders should fulfill the following criteria:

- Should have adequate knowledge, experience and expertise in Supply, Installation, Commissioning, Operation & maintenance, calibration including data generation, data validation, networking, National Air Quality Index, transmission of data to public domain and preparation of reports of CAAQM Stations in India or abroad;
- Should have experience of successful operation of 05 Continuous Ambient Air Quality Monitoring Stations in last 5 (five) years. The bidder shall meet the data quality requirement as specified.
- Adequate Technical manpower for installation, commissioning, operation & maintenance of CAAQMS,
- The bidder shall submit the certificate of their financial capability for execution of this project.
- All the participating bidders must submit a certificate from original manufacturer.

8. Submission of EOI

Interested parties may submit EOI in Reply Format along-with technical and financial comments in a sealed envelope by speed post clearly super – scribed "Expression of Interest (EOI) for '**Data Display & Data Supply from Continuous Ambient Air Quality Monitoring Stations setup under Build, Own, Operate and Transfer (BOOT) Mode**' within 30 days from the date of publication of EOI to:

The Member Secretary,
Central Pollution Control Board,
(Ministry of Environment, Forest & Climate Change, Govt. of India)
'Parivesh Bhawan'
C.B.D. Cum Office Complex,
East Arjun Nagar,
Delhi-110032, **INDIA**

Reply Format

1. Interested to include as short – listed bidder – Yes / No
2. Name of the Organization / Joint Venture:
3. Contact details with phone and E-Mail address:
4. Place and year of registration:
5. Principal place of business:
6. Total monetary value of Services performed for each of the last five years:
 - i) 2011-2012:
 - ii) 2012-2013:
 - iii) 2013-2014:
 - iv) 2014-2015:
 - v) 2015-2016:
7. Experience in services of a similar services and size for each activity of the last five years:
8. Details of Services under way or contractually committed:
9. Names and address of clients:
10. Qualifications and experience of technical and administrative personnel proposed for this Project:
11. Profit and loss statements and auditor's reports for the past five years:
12. Information on any litigation, current or during the last five years, in which the Bidder is involved, the parties concerned, and disputed amount / status, if any:
13. Technical / Financial comments (enclose separate sheet):
14. Self Certification: The statements submitted above are true and correct to our records and to the best of our knowledge. It is also submitted that the company has never been black listed.

(Signature with Seal of Authorized Signatory)