

NOTICE

The Last date of submission of Expression of Interest for
“Development of web based application for creation of
Environmental Data Bank” has been extended from

13/08/2013 to 30/08/2013 up to 6:00 pm

Issued on 13.08.2013

NOTICE

The Last date of submission of Expression of Interest for
“Development of web based application for creation of
Environmental Data Bank” has been extended from

06/08/2013 to 13/08/2013 up to 6:.00 pm

Issued on 06.08.2013

**CENTRAL POLLUTION CONTROL BOARD
MINISTRY OF ENVIRONMENT & FORESTS**

**Address: Parivesh Bhawan, East Arjun Nagar, Delhi-
110032**

EXPRESSION OF INTEREST

CPCB invites Expression of Interest (EOI) from reputed institutions/ Organizations for “Development of web based application for creation of Environmental Data Bank” For details please visit <http://www.cpcb.nic.in/Tenders.php>. Last date for receipt of EOI is six weeks from the date of publishing the EOI in the Newspapers.

(J. S. Kamyotra)
Member Secretary

Important dates, links

1. Downloading of EOI documents from 26/06/2013 to 06/08/2013 upto 5PM.
2. Submission of EOI documents upto 5.00 PM on 06/08/2013
3. Interested applicants are requested to submit the EOI as per schedule above
4. Interested applicants may visit this site <http://www.cpcbodb.nic.in> to get the idea of existing EDB application
5. EOI document can be downloaded from website: <http://www.cpcb.nic.in> or <http://cpcb.nic.in/Tenders.php>.
6. Further details can be obtained from the I.T. DIVISION, CPCB, PARIVESH BHAWAN, CBD-CUM-OFFICE COMPLEX, EAST ARJUN NAGAR, DELHI – 110032, PHONE# (011)22308902, 43102296, 43102298.

CENTRAL POLLUTION CONTROL BOARD

DELHI

Notice inviting Expression of Interest (EOI) for “Development of web based application for creation of Environmental Data Bank”.

1. Background:

The Central Pollution Control Board (CPCB), a statutory organization, was constituted in September, 1974 under the Water (Prevention & Control of Pollution) Act, 1974. Subsequently, CPCB was entrusted with the powers and functions under the Air (Prevention and Control of Pollution) Act, 1981. It also provides technical services to the Ministry of Environment and Forests for implementation of the provisions of the Environment (Protection) Act, 1986. Besides many functions for prevention & control of air and water pollution, CPCB is required to collect, compile and publish technical and statistical data relating to water and air pollution and the measures devised for their effective prevention, control or abatement and disseminate information in respect of matters relating to water and air pollution and their prevention and control.

In order to carry out functions, with regard to dissemination of information on environmental aspects, Board has established a system “Environmental Data Bank (EDB)” for on-line entry and retrieval of data on various environmental parameters. The EDB comprises various modules; modules of air quality and water quality have been made operational. SPCBs/PCCs are updating the data on regular basis since 2005.

2. Objectives

- Development of new web based application to replace the existing “Environmental Data Bank”
- Migration of all the historical data available in EDB and data at CPCB in FoxPro and data in physical form at CPCB into new system

3. Scope of Work

The assignment involves design and development of web-based software for EDB. The requirement is described below:

I. The EDB would comprise the following databases:

- Air Quality
- Water Quality

Above list could be expanded in later stage. Software should have the facility to include other modules in future.

II. Data Input and output formats of these databases to be designed in consultation with the CPCB, on the basis of data available in the existing system and the information expected from the EDB

III. The expected functionality of this software are as follows:

- To record complete information, available at CPCB & other sources
- To analyze data on various statistical and environmental aspects

- To facilitate queries on various aspects of environmental data
- Should be able to generate information in various user-designed formats with facility to communicate through e-mail and hard copies
- Creation of Customizable user formats by CPCB officials as per requirement in future with minimum efforts for which vendor support should not be required.
- The data will be utilised for interpretation based on GIS maps in future. The software should export the data in Access, Excel, SQL & ORACLE formats.
- Developed software should meet cyber security criteria as per NIC guidelines and obtain Audit clearance certificate from NIC after Cyber Security Audit from CERT-IN empanelled auditors.
- Developed software would be hosted at NIC production server
- Internal interface for data availability at various locations
- Internal interface for connectivity history from all locations with trailing errors etc.
- Maintain the system including security issues for 5 years from the month of successfully commissioning the software application.

4. Software Characteristics

Key characteristics of the proposed software

- Modularity
- On-line data capture after various checks
- Integrated application system
- User-friendly
- Data Security and Integrity
- Flexibility and easy maintainability
- Catering to operational, tactical and strategic management needs
- On-line queries
- Integration with intranet/internet
- An interface to upload offline data automatically

Software requirements

- Web browser based software having maximum response time of 3-4 seconds on any browser for data entry and report generation
- Platform Independent. At client end, if site does not run, application should provide the list of required software along with download links.
- No third party tool should be used
- No proprietary software should be used

- Supporting Firefox, Chrome, Internet Explorer, Opera, Safari and major browsers
- Data importing and exporting interfaces
 - i. Interface to integrate SQL data*
 - ii. Interface to integrate Excel format data*
 - iii. Interface to upload hardcopy data*
- Software may be facilitating to automatic installation of data-entry part at the user end (desktop-one time only). After completion of data entry, the entered data should be compressed/encrypted. Whenever, user will start Internet, the above data should automatically uploaded into the EDB server and appended into old file
- The report format should be fixed partially and also facility to build query by the user as per requirement.
- Integration of historical data (Air & Water Quality) into new system from FoxPro and data in physical form with a data integration module for data entry in future. *(Estimated total entries would be nearly 3 lakh records for air quality monitoring data and 1 lakh for water quality monitoring data)*
- Open code base system development.
- System should be able to check the data after entry on its own. It will ensure that data is entered by re-trying till the data is integrated with the database
- Data Entry through Mobile Devices.
- System should be operated in clustered and auto failover mode
- Auto back up procedures to be implemented
- Data entry in offline or online mode irrespective of OS/software available at user end.
- As far as possible application should be developed using 3-Tier system.
- Developed software would require a cyber security clearance certificate from NIC

5. Eligibility Criteria:

The software consultants/companies should fulfill the following criteria:

- Must be in operation from last five years with software development skills.
- Company should not have been blacklisted by any Government Agencies.
- Company should provide the customer list containing at-least two clients in Govt. Sector.
- Company should have a valid SEI-CMM level 3 certificate for software development/IT enabled services.
- Company should have at least 25 software professionals engaged in various software development activities.
- Company should have had turnover of at-least Rupees Three Crores every year over the last three financial years (2009 - 10, 10 - 11, 11 - 12) from software consultancy and software development with at least one project in each year worth ₹ 50 lakh and above & should submit the copy of order, completion certificates.

6. Submission of EOI:

Interested software consultants/companies may submit EOI in a sealed envelope by speed post clearly super-scribed Expression of Interest (EOI) for “Development of web based application for creation of Environmental Data Bank” to the Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi- 110032 by 06/08/2013 upto 5.00 PM in hard copy and a CD containing the following information:

- (a) Type of organization and date of establishment with photocopies of supporting documents
- (b) Areas of strength/specialization relevant to the scope of work and objective pertaining to development of web based application
- (c) Copies of attested statement of income earned from similar consultancy services for the last financial years
- (d) Previous relevant experience
- (e) Details of key staff to be entrusted for the assignment, together with their Curriculum Vitae
- (f) Understanding of the scope of work, objective, short approach and the comments.

Late submissions or submissions that do not conform to the above requirements will not be considered. Based on the response received, suitable consultants will be short-listed and the TOR document will be sent for submission of Technical and Financial Proposal.

Consultants/firms are requested to send their comments/suggestions on objectives and scope of work. Consultants may please indicate the software development platform and Hardware specifications required for optimum performance.

Technical Information Proforma

Technical Information Submission Form
(On the letterhead of the organization/ Firm)

To,

MEMBER SECRETARY
CENTRAL POLLUTION CONTROL BOARD
PARIVESH BHAWAN
CBD-CUM-OFFICE COMPLEX
EAST ARJUN NAGAR
DELHI – 110032

Subject: Expression of Interest for “Development of web based application for creation of Environmental Data Bank”

Dear Sir,

I the undersigned is pleased to submit our Expression of Interest including the comments/ suggestions on objectives & scope of work and information on software development platform and hardware specifications required for your consideration.

I hereby declare that all the information and statements made in this proposal are true and accept that any of our misrepresentation contained in it may lead to our disqualification from the process.

I hereby declare that our organization/ firm/ company has not been debarred/ blacklisted by any Government/ Semi-government organization. I further certify that I am the competent authority in my organization to make this declaration.

We understand that you are not bound to accept any Proposal you receive.

Yours sincerely,

Authorized Signatory [In full and initial]

Name & designation of the Signatory

Name of the Organization/ firm

Address

Organization/ Firm Seal

Application Form for Expression of Interest
(On the letterhead of the organization)

- I. Name of the Organization/ Institution :
- II. Registered Office Mailing Address :
- III. District/ Branch office address (if any) :
- IV. Telephone and Fax Number :
- V. Mobile No. :
- VI. E-mail address :
- VII. Name and designation of the person authorized to make commitments to the CPCB
- VIII. Year of Establishment of Organization /Institution:
- IX. Past experience :
- i. Number of years of experience
 - ii. Experience in development of web based application
 - iii. Experience in similar nature of work in Govt. Sector
- X. Whether the Organization/ Institution has a valid SEI-CMM level 3 certificate for software development/ IT enabled services : Yes/No
- XI. Experience of the Key Personnel :
- i. Qualification
 - ii. Relevant Experience
- XII. Turnover (Give details of the total annual turnover for the last five years) :
- i. 2010-11
 - ii. 2011-12
 - iii. 2012-13
- XIII. List of the projects completed in the last five years in which the Organization/ Institution has delivered services similar to that in this advertisement. Please provide certificate of completion of projects from authorized officials in the Govt. organization.

| Name of Project | Year | Value | Organization Name | Short description of the project |
|-----------------|------|-------|-------------------|----------------------------------|
| | | | | |

XIV. Details of professional employed on permanent or long term contract basis
(exceeding 3 years)

| S. No. | Name | Designation | Qualification | Permanent/ Contract basis | Work experience (in years) | Summary of work experience (project/role/tasks) |
|--------|------|-------------|---------------|---------------------------|----------------------------|---|
| | | | | | | |

XV. Income Tax Registration Number (PAN No)
(furnish copy of the PAN)

XVI. Service Tax Registration No. (if any)
(Furnish copy of the Service Tax Registration Certificate)

Authorized Signatory (In full and initial)

Name & designation of the signatory

Name of the Organization/ firm

Address

Organization/ Firm Seal