

Government of the People's Republic of Bangladesh
Office of the Project Director
Clean Air and Sustainable Environment (CASE) Project
Department of Environment
E-16, Paribesh Bhaban, Agargaon
Sher-e-bargla Nagar
Dhaka-1207

Request for Expression of Interests (EOI)
for
Selection of Air Quality Monitoring Technical Consultant (National)
[Contract Package No. CASE-DOE-S3A]

Memo No: Paribesh/Case/AQM Tech. Cons./164/2014/1895; Date: 10/03/2014

1. The People's Republic of Bangladesh has received an IDA credit [No. 45055-BD] in the amount of US\$ 62.2 million toward the cost of the Clean Air and Sustainable Environment (CASE) project to be implemented by the Department of Environment (DOE), Dhaka City Corporation (DCC) and Dhaka Transport Coordination Board (DTCB). The Department of Environment intends to apply part of the proceeds to payments for the provision of consultancy services for the project by hiring an Environment Consultant (National).
2. The specific objectives of this consultancy are: strengthening DOE capacity on air quality technical programs including data acquisition and reporting; supporting air dispersion modeling and performing data analysis; conducting several air quality related studies including human health risk assessment (HHRA), pollutants impact assessment etc.; publishing periodic/annual reports and public access to the data via the internet; updating and strengthening DOE Standard Operating Procedures and equipment operation training in the field; developing and implementing a strong quality control/ quality assurance program.
3. The summary Terms of Reference for the position require the consultant to carry out the following:
 - a. Assist Air Quality Management (AQM) Wing of the DoE in analyzing data generated from the Continuous Air Monitoring Stations (CAMS) and SAMS and prepare data summaries;
 - b. Field audits of DOE air monitoring facilities to evaluate use of SOPs and QA procedures as well as to assist DOE air monitoring technicians in these programs;
 - c. Help set up an air pollution monitoring laboratory in the AQM Wing of the DoE;
 - d. Assist AQM Wing in reviewing air quality data for annual reports to be brought out by the PIU;



- e. Assist AQM Wing in running dispersion and receptor models and using software for advance forecasting of air quality.
- f. Assist AQM Wing in bringing out daily Air Quality Index (AQI) of different cities for public information;
- g. Prepare draft TOR for various consultants to be engaged under the environment component of the project and finalize TORs after review/comments from respective technical experts;
- h. Contribute/draft the Air Quality (AQ) Standard for brick rules or other relevant rules and legislation
- i. Provide support to the PIU in organizing consultation meetings, facilitating workshops and seminars and prepare minutes of the meetings;
- j. Support PIU in the preparation of EOIs, RFPs, bid documents, and evaluation of bids;
- k. Assist PIU in overseeing various types of studies to be undertaken by local and international consultants on AQM, atmospheric dispersion modeling, emission inventory, dust management etc. under the Environment component;
- l. Assist PIU in overseeing consultants' activities pertaining to updating existing AAQS, formulation of industry specific laws and Clean Air Act, etc.
- m. Prepare monthly, annual and special reports, as and when required by the PIU.
- n. Assist PIU in capacity building of the technical staffs of the project and AQM wing to retrieve unhindered data from the Continuous Air Monitoring Stations and SAMS and to analyze the data for technical use and public information.

4. Key Qualifications

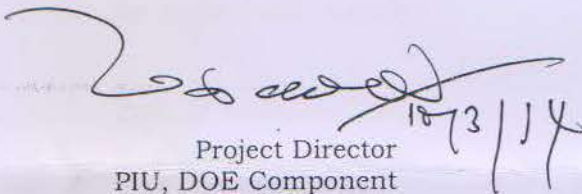
- a) Should have advanced degree (minimum M.Sc.) in Physical/Environmental science with more than 15 years of experience in the air quality management field;
- b) Should have good number of publications on air pollution issues in refereed international journals;
- c) Should have excellent track record in air pollution monitoring and research;
- d) Hand on experience of air quality monitoring methods as used by DOE in Bangladesh;
- e) Demonstrated skills in developing publications designed to explain technical data to the public;



- f) Sound knowledge of receptor/dispersion modeling, emission inventory, air quality monitoring network design and data analysis;
- g) Ability to evaluate air quality data to determine patterns, trends temporal and spatial relationships;
- h) Hand on experience on trouble shooting of hardware and software used for air quality monitoring;
- i) Strong computer literacy with command over MS word, excel, power point etc.; and

Previous experience of similar consultancy in a donor aided project will be given priority

- 5. The Consultant shall perform the Services for full time basis up to June 30, 2016 commencing from April 2014 or any other period subsequently agreed by the parties in writing.
- 6. The consultant will be selected in accordance with the procedures set out by the World Bank's guidelines, "Selection and Employment of Consultants by World Bank Borrowers May, 2004(Revised October, 2006)".
- 7. Expression of Interest (EOI) shall be submitted on or before March 31, 2014 on weekdays during office hours either in sealed envelope or through e-mail sent to Project Director, and be clearly marked Expressions of interest for Environment consultant.
- 8. The EOI should include consultant's CV and relevant supporting documents showing consultant's credibility in air quality management.
- 9. The procuring entity reserves the right to accept or reject all EOIs.


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