

# **REQUEST FOR EXPRESSIONS OF INTEREST CONSULTING SERVICES**

**Arab Republic of Egypt  
Greater Cairo Air Pollution Management and Climate Change Project  
Project (P172548)**

**Assignment Title:** Developing Mobile Source Emissions Inventory & Emissions Inventory Integration

**Reference No. (as per Procurement Plan):** EG-EEAA-387499-CS-QCBS

The Greater Cairo Air Pollution Management and Climate Change Project aims at reducing air emissions from critical sectors and increase resilience to air pollution in Greater Cairo. The Project aims more specifically at reducing air emissions which is a key step toward the reduction of pollution concentrations and improvement of air quality. The Project focuses on the two main sources of air pollution: open burning of solid waste and vehicle emissions and will geographically cover Greater Cairo (i.e., Cairo, Giza and Qalubiah Governorates -- GC); and will include four main components aiming at: (i) enhancing the air quality decision support system in Egypt; (ii) improving Solid Waste Management services; (iii) reducing air and climate pollutants from vehicle emissions; and (iv) furthering stakeholder engagement, awareness and communication.

The Project aims specifically to reduce emissions that contribute to air pollution concentrations, thus leading to air quality improvements, and to simultaneously mitigate climate change. Air pollutants include PM<sub>10</sub> and PM<sub>2.5</sub>, while climate pollutants include both longer lived greenhouse gases (GHGs) such as CO<sub>2</sub>, as well as Short-lived Climate Pollutants (SLCPs) that include black carbon, methane and several short-lived HFCs.

Successful Air Quality Management (AQM) planning requires a detailed assessment of these emissions in ways that enable decision makers to (i) understand the many sectors that contribute to a city's air pollution problems, (ii) track the effectiveness of policies and strategies over time to establish an accountability framework for both climate mitigation and AQM planning and (iii) utilize these data to conduct periodic international reporting and to process emissions estimates for dispersion modeling, critical to AQ forecasting.

The objective of this assignment is to hire a qualified consulting firm, referred to hereafter as "the Consultant" to provide support to the Egyptian Environmental Affairs Agency (EEAA) and World Bank through the Greater Cairo Air Pollution and Climate Change Project (hereafter "The Project") to advance existing integrated climate and AQM planning (IC-AQMP) for the tri-city GC area as well as the country of Egypt as a whole, with a specific focus on reviewing existing emission inventory data products for greenhouse gases (GHGs), short-lived climate pollutants (SLCPs), and criteria air pollutants, fill any gaps in these existing inventories, and synthesizing these with other information, including the development of a mobile source emission inventory resulting in a single unified database useful for policy tracking, international reporting, and dispersion modeling/forecasting to address air pollution and climate mitigation in GC and Egypt.

The Consultant is requested to conduct the following tasks:

1. Review, refine, enhance and consolidate existing emission inventories.
2. Develop mobile sources Inventory.
3. Developing new comprehensive integrated modeling for the emission inventory from all sources of air pollution and climate change.
4. Synthesize and integrate data in a single unified emission inventory for Egypt.
5. Training EEAA and their partners in the use, updating and processing of the emissions data for future policy tracking, air dispersion modeling and international reporting.

The detailed Terms of Reference (ToR) for the assignment is found on the following link: (<https://www.ecaa.gov.eg/Uploads/Notification/Files/20231130132536873.pdf> )

The Ministry of Environment (MoE) now invites eligible Consulting Firms to indicate their interest in providing the Services. Interested Consulting Firms should provide information demonstrating that they have the required qualifications and relevant experience to perform the Services. The shortlisting criteria are:

- Consulting firms are expected to have successfully completed and demonstrated experience with at least 3 similar projects in developing emissions inventories, inventory verification system, and establishing ongoing reporting mechanisms. with hand-on capacity building and institutional strengthening components.
- The firm is expected to have a minimum of 10 years experience providing consulting and planning services in air quality management.
- Experience in developing vehicle emissions factors, and dispersion modeling.

The attention of interested Consultants is drawn to Section III, paragraphs, 3.14, 3.16, and 3.17 of the World Bank's "Procurement Regulations for IPF Borrowers" July 2016 revised November 2017 & August 2018 ("Procurement Regulations"), setting forth the World Bank's policy on conflict of interest. In addition, please refer to the following specific information on conflict of interest related to this assignment: Consultants shall not be hired for any assignment that would be in conflict with their prior or current obligations to other clients, or that may place them in a position of being unable to carry out the assignment in the best interests of the Borrower. Without limitation on the generality of the foregoing, Consultants shall not be hired under the circumstances set forth below:

A Consulting Firm will be selected in accordance with the "Quality & Cost Based Selection - QCBS method" set out in the Procurement Regulations".

Further information can be obtained at the address below during office hours 09:00 to 17:00.

Expressions of interest must be delivered in a written form to the address below (in person, or by mail, or by e-mail) by **16<sup>th</sup> of January 2024 – 02:00 pm. (CLT)**

**The Submission Date is extended to 31<sup>st</sup> of January, 2024**

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