

## **Environment & Climate Change Specialist**

### **Project Background:**

The Punjab Clean Air Program (PCAP) is a strategic, multi-sectoral initiative launched by the Government of Punjab with the support of the World Bank. Its core objective is to address the growing air pollution crisis across the province through integrated policy actions, technological interventions, institutional strengthening, and behavioural change campaigns. The Program targets both urban and rural sources of air pollution, including transport emissions, industrial discharges, agriculture practices (such as crop residue burning), waste management inefficiencies, and construction activities. The program emphasizes collaboration across key departments, including Environment Protection, Agriculture, Transport and Planning & Development Board.

### **Objective:**

The program aims to reduce population-weighted exposure to PM<sub>2.5</sub> by implementing multi-sector interventions in air quality management (RA1), transport sector (RA2), and agriculture sector (RA3). The IPF Component supports technical studies, capacity building, verification of DLIs, institutional strengthening, and environmental and social risk management. Given the substantial environmental risks identified in PCAP (battery waste, industrial emissions, crop burning, and transport depots), an Environment & Climate Change Specialist will be engaged to ensure environmental compliance, risk management, and social conventions ratified by Pakistan; National legal policy frameworks relevant to Environmental and Social management; E&S instruments prepared as part of the P-CAP: ESSA, ESCP, POM, and others Project procedures manual and relevant documents.

### **Key Responsibilities:**

- Conduct comprehensive EIAs for all P-CAP projects, including electric bus deployment, EV infrastructure development, and vehicle inspection systems. Ensure compliance with national and international environmental standards.
- Integrate environmental and climate resilience strategies into program activities and monitoring systems.
- Develop strategies to reduce greenhouse gas (GHG) emissions and align P-CAP projects with Pakistan's climate action goals under the Paris Agreement.
- Conduct and monitor IEE and EIA of the projects particularly bus depots construction and operations.
- Provide input on the Battery Waste Management Consultancy and ensure the development of environmentally sustainable waste management practices.

- Monitor the environmental risks and impacts of P-CAP projects and recommend mitigation measures.
- Ensure implementation of Environmental and Social Commitment Plan (ESCP) in consultation with Environment Specialist
- Regular submission of environmental, social, health and safety performance reports to the World Bank.
- Develop adaptive solutions for climate change mitigation and adaptation in transport, agriculture, and industrial sectors.
- Ensure that standard environmental management clauses are effectively included in consultation documents and works or service contracts before signing.
- Establish and implement a strategy for monitoring occupational health and safety aspects of the project, including accident management.
- Contribute to the development of the project's annual training plan.
- Establish and implement a strategy for monitoring occupational health and safety aspects of the project, including accident management.
- Review the quality of reports prepared by IAs. consultants and various other reports.
- Develop the terms of reference for Environmental and Social Impact Assessments and any other environmental assessments of the P-CAP projects.
- Produce periodic reports (detailed, quarterly, and annual) to report on compliance with environmental requirements.
- Promote the use of clean technologies and practices to reduce greenhouse gas emissions and align with Pakistan's climate action goals.
- Collaborate with the Environmental Protection Agency (EPA) to ensure compliance with environmental regulations.
- Link responsibilities with PCAP Result Areas (RA1–RA3): air quality monitoring, e-buses & EVs, vehicle inspection, buyback schemes, crop residue management.
- Support industrial abatement studies (cleaner fuels, brick kilns, boilers, furnaces).
- Assist in carbon credit monetization (registration, monitoring, reporting).
- Provide technical support to Independent Verification Agents (IVA) for DLIs/DLRs validation.

- Contribute to awareness & behavior change campaigns (schools, hospitals, communities).
- Any other task assigned by the competent authority.

### **Qualifications & Experience:**

- Master's degree (or higher) in Environmental Sciences, Environmental Engineering, Climate Change, or related field from a HEC recognized university.
- Minimum 8 years of post-qualification professional and technical experience with increasing responsibility in environmental and climate analysis in public sector development programs and projects.
- Worked as an environmental specialist in at least one (1) development project financed by international development partners (World Bank, AIIB, ADB, European Union, etc.).
- Provide evidence of additional training in environmental and social assessment, occupational health and safety and emergency preparedness response.
- Have a good knowledge of Punjab's environmental regulations, World Bank environmental and social framework, and international environmental standards (e.g., ISO 14001; ISO45001, EIA/IEE, ESCP, ESMPs).
- Knowledge and understanding of international environmental and social impact assessment standards and practices (with an emphasis on social standards and social impact assessments).
- Good understanding of the World Bank's / multilateral financial institutions operational policies, processes and procedures including Environment, Social safeguard and Gender policies are highly desirable.
- Demonstrated ability to work independently with limited supervision on a wide range of environmental and social activities and achieving results with agreed upon objectives and deadlines.
- Have experience in capacity building, training, and communication on environmental issues.
- Experience in developing and implementing climate action plans, preferably in the transport, Environment or energy sectors.

### **Skills and qualities**

- Ability to collaborate with a variety of stakeholders.
- Ability to work under pressure and good teamwork skills in a multisectoral and multicultural environment.

- Ability to work closely with management while maintaining a certain degree of autonomy.
- Organized, rigorous, and able to produce quality results within deadlines.
- Ability to work independently and take responsibility for tasks.
- Good writing and communication skills in English, Urdu and Punjabi.
- Good command of IT tools and various common software programs and browsers (Word, Excel, PowerPoint, etc.).
- Strong analytical skills and proficiency in environmental modeling software (e.g., GIS, Air Dispersion Modeling).
- Strong presentation skills.

## **Reporting**

The Specialist shall report to the Program Director. He/she will work in close coordination with the social, and procurement specialists at PCAP-CMU and other members of the PCAP team.

## **Duration of contract:**

The environmental specialist will work full-time in this role. Initial duration of contract shall be (01) year, extendable subject to satisfactory.