

Donor Funded Staffing Program

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| TOR No: | 2019-116 |
| Title: | Senior Environmental Engineer |
| Grade: | GG Level |
| Division/VPU: | Environment and Natural Resources (ENR) Global Practice (GENDR) |
| Duty Location: | Washington D.C./Headquarters |
| Appointment Type and Duration: | Two-year Term Appointment |

BACKGROUND

Sustainable Environment and Natural Resources Management (ENRM) is at the heart of the World Bank Group's (WBG) poverty agenda. Biodiversity and natural resources constitute the social safety net of the poor, representing a food bank and often their only source of livelihood. Sustainable ENRM promotes a green clean, and resilient world where natural resources – from forests to fisheries, freshwater, oceans, coastal zones and ecosystems – are managed to support livelihoods and strong economies. Sustainable ENRM builds a world better prepared for shocks and global challenges, helping countries limit their exposure to resource scarcity, more-volatile weather patterns, and the long-term consequences of climate change.

The Environment and Natural Resources (ENR) Global Practice (GP) has been set up to deliver on the opportunities, benefits and outcomes offered by enhanced management of the environment and natural resources. ENR covers the following business lines:

- **Green:** Forests, Watersheds & Sustainable Landscapes - managing renewable natural capital across landscapes;
- **Blue:** Marine, Coastal & Aquatic Resources - unlocking the wealth of marine, coastal and fresh water economies;
- **Brown:** Pollution Management & Environmental Health - reducing pollution to improve environmental conditions;
- **Clean and Resilient Growth:** Fostering economics and institutions for sustainable and sustained growth; and
- **Environmental Risk Management and Sustainability:** Managing risks and creating opportunity to advance sustainable development in accordance with the Bank's Operational Policies and, since October 1, 2018, the Environmental and Social Framework (ESF).

The ENR GP has close to 300 own-managed operations, representing \$7 billion, and a growing pipeline of new investments under active development.

The ENR GP consists of about 350 staff mapped to 11 units, of which nine are regionally focused, corresponding to the World Bank's regional organization, one has a cross-regional mandate, and one provides strategic support.

Brown issues are increasingly important in the work programs of the regional units. Air, water and soil pollution and their impact on human health are rising concerns for populations in conditions of extreme poverty (e.g., due to indoor air pollution and local water contamination) but also as poverty diminishes and new consumption patterns emerge (e.g., as a result of increased motorization, industrialization, and use of plastics).

The Senior Environmental Engineer will work for the ENR GP in the East Asia and Pacific (EAP) and/or Europe and Central Asia (ECA) Regions. A major issue in both EAP and ECA is the generation of large amounts of solid waste, including plastics. In EAP much plastic ends up being washed away into the ocean. On land, poor solid waste management causes a range of issues, including flooding and health risks, while marine plastics are a growing threat to sea life.

DUTIES AND RESPONSIBILITIES

The World Bank Group (WBG) is seeking to recruit a Senior Environmental Engineer to support the growing solid waste and pollution management program in the EAP and ECA Regions.

The Senior Environmental Engineer, under the supervision of the ENR GP Practice Manager(s), will have the following key responsibilities:

- Support and/or possibly lead pollution and solid waste management policy dialogue with governments and other stakeholders. This includes coordination with other financiers, and review of sector policies, strategies, and legislation.
- Play key role in implementation of pollution, waste management; advise borrowers and colleagues on technical matters; supervise the work of consultants and technical specialists to ensure consistency and conformity to Bank standards; evaluate studies and sector-related project documentation.
- Support and/or possibly lead the development and implementation of environment or natural resources lending operations, technical assistance or analytical work, including participation in preparation and supervision missions. This includes leading design/preparation and supervision of tasks and/or components as a technical expert and in collaboration with partner agencies and donors. This also includes generating 'think pieces' and 'best practice' papers; handling complex technical, institutional and program implementation issues in the sectors; leading the development of proposals; leading the interface with member governments and agencies in resolving implementation issues.
- Provide and mobilize strategic technical assistance in support of client's needs to improve capacity for pollution management and solid waste management from within and outside the Bank's global network.
- Produce and present major/complex reports, including the supervision, coordination and quality control of consultant reports.
- Work independently under the general direction of the Practice Manager(s), and guide and mentor more junior staff.
- Contribute to knowledge sharing, dissemination and awareness raising activities with key clients.
- Facilitate and maintain effective communication and coordination with government and other local partners, including civil society (environmental and community/indigenous people organizations, etc.), academic/research institutions, the private sector, and bilateral and multilateral development partner agencies.

- Actively seek to learn World Bank Group procedures, and contribute to their improvement, by participating in training offered, by developing a personal training program, keeping abreast of research and development knowledge in the environment and natural resources sector, and relevant safeguard management processes.
- Coordinate and carry out other tasks as requested by the Practice Manager(s) such as for example the organization of training or knowledge sharing events.

Note:

The selected candidate will not be assigned to programs involving his/her own government such as donor coordination and trust fund management.

SELECTION CRITERIA

It is expected that the successful candidate will meet the following selection criteria:

- Advanced degree (Ph.D. or Master's) in environment engineering, civil engineering, environmental science, pollution management or related field.
- A minimum of 8 years of full-time relevant professional experience in the environment engineering or related field, with experience in solid waste management and pollution management.
- A minimum of 5 years of track record in strategic engagement experience with senior level policy makers (director general level at government ministry or higher) is required.
- A proven track record working with a wide range of stakeholders, NGOs, international organizations, development partners and/or with the government would be an advantage.
- Deep knowledge of the engineering and technical aspects of solid waste management and pollution management is required.
- Demonstrated track record in project management / operational skills and familiarity with Bank procedures is required.
- Demonstrated track record as a World Bank safeguards specialist with experience in technically difficult pollution and engineering related issues would be an advantage.
- Proven teamwork and successful experience working with multi-disciplinary teams is required.
- Ability to work independently with limited supervision is required.
- Excellent English language skill is required (writing, speaking, listening and reading).
- Strong interpersonal and communication skills are required.
- Willingness to travel extensively, including in rural areas is required.
- Knowledge of another major language in use in the World Bank (e.g., French, Portuguese, Russian, Spanish) is a plus.