

REQUEST FOR EXPRESSIONS OF INTEREST (Selection of Firm)

FEDERAL DEMOCRATIC REPUBLIC OF ETHIOPIA

Project: Access to Distributed Electricity and Lighting in Ethiopia (ADELE)

Credit No. IDA - 68570-ET

Assignment Title: Selection of Consultancy Services firm for the development of Electronic-Waste Management Strategy to Support the Distribution of Solar Products under the Access to Distributed Electricity and Lighting in Ethiopia (ADELE) Project.

Reference No. ET-MoWE-493729-CS-QCBS

The Federal Democratic Republic of Ethiopia has received financing from the World Bank toward the cost of Access to Distributed Electricity and Lighting in Ethiopia (ADELE) and intends to apply part of the proceeds for consulting services for Selection of Consultancy Services firm for the development of Electronic-Waste Management Strategy to Support the Distribution of Solar Products.

OBJECTIVES OF THE ASSIGNMENT

The primary objective of this consultancy is to hire a firm to develop E-waste management and provide technical assistance and expertise in developing and implementing an e-waste management strategy for the ADELE project and stakeholders including off-grid companies, Federal and Regional Energy and environment office. The overall objective of consultancy firm is:

- To assess the activities involved for the proposed project and determine the type, nature, and estimated volumes of e-waste to be generated.
- To identify any potential environmental impacts from the generation of waste at the project sites to develop environmentally sound E-Waste management strategy for the distribution of Solar Products.
- To ensure environmentally responsible management of e-waste generated through the deployment of solar products, mini-grids, and other electrical equipment under the ADELE project.
- To provide technical guidance and design for the safe collection, storage, transportation, recycling/reusing, and disposal of electrical and electronic wastes.
- To identify the budget requirement for the options that need to be considered
- To develop viable business and financial models and identify the budget requirement for the options that needs to be considered.
- Training programs and support the implementation of sustainable e-waste management practices within the project.



SCOPE OF THE WORK

The firm will be required to perform the following tasks:

1. Situational Assessment and review of E-Waste Generation:

- Assess the types, quantities, and sources of e-waste expected to be generated by the solar projects.
- Review existing national policies, regulations, and institutional arrangements for e-waste management.
- Make necessary visits to off grid sites/areas to see the ground situation and gather data
- Identify gaps, challenges, and opportunities in current e-waste management practices including extended Producer responsibility
- Conduct review of project documents and related information to assess the potential e-waste risks and impacts from all project components, including solar home systems, mini-grids, standalone solar systems, and related electronic devices.
- Identify the role of various actors on e-waste generation and management including the ongoing efforts for management.
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- Conduct Training materials and schedules for capacity-building programs for relevant stakeholders.

2. Policy and Legal Framework:

Identify and assess policy and legislation relevant to waste management, including national environment policies and regulations. These includes the national environmental laws, World Bank ESF (ESS1,ESS2, ESS3, ESS4, ESS6, ESS10), EHS Guidelines, as well as international best practices such as the Basel Convention and the guidelines of the World Health Organization (WHO).Evaluate existing local e-waste regulations and provide recommendations for enhancing them if necessary to support the ADELE project's objectives.

3. Development of an E-Waste Management Strategic Plan:

A set of measures aims to prevent and/or minimize the quantities of e-waste generated, and the hazards associated with e-waste should be incorporated in this plan.

- A. Development of Waste Management Options:
- B. Evaluation and Recommendation:
- C. Operating Arrangements:

4. Public Awareness and Stakeholder Engagement

Coordination with the relevant authorities and stakeholders is crucial for minimizing and environmentally sound e-waste management.



5. Training and Capacity Building:

Develop and deliver training programs for MoWE, EEU, DBE, Regions and other stakeholders on best practices in e-waste management. Equip project staff, local authorities, and community stakeholders with the skills necessary for managing e-waste throughout the project life cycle.

6. Selection of technologies, Design and equipment

Selection of technologies and equipment is important based on international standards to maximize their lifetime and minimize associated risks at their end-of-life stage. Thus, the consultant should propose appropriate criteria for selection of technology like IOT related and other technologies.

7. Monitoring Framework

To ensure the effective implementation and continuous improvement of the waste management strategy, the consultant/team is required to design a robust Monitoring Framework as part of the deliverables. The framework should enable stakeholders to track progress, assess outcomes, and facilitate evidence-based decision-making throughout the strategy's life cycle.

- Develop a monitoring framework to track the implementation of the e-waste management strategy.

DURATION OF ASSIGNMENT

- The consultancy is expected to last for one year, starting from the date of contract signing.

DETAIL TOR ATTACHED: The detailed Terms of Reference (TOR) for the assignment can be found at https://www.mowe.gov.et/en/resource_types/ToR-files-.

The Ministry of Water and Energy now invites eligible consulting firms (“Consultants”) to indicate their interest in providing the Services. Interested Consultants should provide information demonstrating that they have the required qualifications and relevant experience to perform the Services.

Short-listing criteria are:

Firm’s Core business and years in business

Qualification and experience in the field of assignment and

Organizational, managerial and technical capabilities of the firm.

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 (“Procurement Regulations”), setting fourth edition 2020 the World Bank’s policy on conflict of interest.



Consultants may associate with other firms to enhance their qualifications, but should indicate clearly whether the association is in the form of a joint venture and/or a sub-consultancy. In the case of a joint venture, all the partners in the joint venture shall be jointly and severally liable for the entire contract, if selected.

A Consultant will be selected in accordance with the Quality and Cost Based Selection method set out in the Procurement Regulation.

Further information can be obtained at the address below during office hours 9:00 am to 12:00 am noon and 2:00 pm to 4:30 pm after noon from Monday to Friday.

Expressions of interest must be delivered in a written form to the address below (in person, or by mail or by e-mail) on or before **01th December 2025, 2:00 PM (Afternoon)**

Attn: Mr. Adisalem Mebrahtu, ADELE Project Coordinator

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Addis Ababa, Ethiopia

Ministry of water and Energy (MoWE)

