

Terms of Reference (ToR)

Consultancy for Review and Validation of Technical Specifications of Productive Use of Energy (PUE) Equipment

Project: Energizing Women and Youth in Agri-Food Systems (EWAS)

Partner Organization: Ethiopian Women in Energy (EWiEn)

Duration: 7 days

Location: Addis Ababa

Type of Contract: Individual Consultant

1. Background

The Energizing Women and Youth in Agri-Food Systems (EWAS) project, managed by the Global Energy Alliance for People and Planet (GEAPP) in partnership with the Mastercard Foundation, is a three- year initiative aimed at empowering young women and youth in Africa's agricultural sector, with an initial focus on Ethiopia and Nigeria. The program seeks to create approximately 17,000 jobs by expanding access to productive- use energy (PUE) technologies—such as solar-powered irrigation, cold storage, and agro-processing tools—that enable climate- smart, energy-enabled agriculture. As one of the EWAS project partners, Ethiopian Women in Energy (EWiEn) provides technical support to implementing partners in reviewing equipment specifications and bid documents. EWiEn seeks to hire an experienced individual consultant to review and validate the technical specifications of ten (10) proposed PUE equipment.

2. Objective of the Assignment

The main objective of this consultancy is to review and validate the technical specifications of selected PUE equipment and ensure their suitability, efficiency, and practicality for deployment in women- and youth-led agri-food enterprises under the EWAS program.

3. Scope of Work / Tasks

- Review the technical specifications of the proposed PUE equipment and recommend substitutions as required
- Assess the suitability of each equipment type for women- and youth-led enterprises in rural settings
- Assess the suitability of each equipment in weak or rural distribution grids
- Evaluate the energy efficiency of the equipment in comparison with industry standards.
- Examine compatibility of the equipment with available power sources (both on-grid and off-grid).
- Verify availability of the specified equipment in the local market. • Check availability of spare parts and after-sales support services in-country.

4. Expected Deliverables

- Technical review report summarizing findings, validation results, and recommendations for each of the ten PUE equipment;
- Comparative table of equipment efficiency, market availability, and suitability for target beneficiaries;
- Feedback presentation to EWiEn and project partners (if required).

5. Duration and Level of Effort

The assignment is expected to take 7 working days, starting from the date of signing the contract. The consultant will work closely with EWiEn's technical team and submit deliverables within the agreed timeline.

6. Reporting

The consultant will report directly to EWiEn and will coordinate closely with EWAS project partners as required.

7. Qualification and Experience

- At least 15 years of experience in the energy sector;
- Proven expertise in mini-grids and rural electrification;
- Proven experience in distribution grid design and/or operation, especially in rural settings.
- Experience in design or selection of equipment technical specifications will be a plus.
- Strong understanding of productive-use energy technologies in agricultural applications.
- Familiarity with local and regional energy markets;
- Excellent analytical, reporting, and communication skills.
- Female applicants or active EWiEn members are strongly encouraged to apply.

8. Submission Guidelines

- Email your CV, supporting documents and financial proposal to: career@ewien.org copying dewo.desta@ewien.org
- Subject Line: PUE Consultant proposal
- Submission Deadline: 21 January 2026, at 5:00 PM (EAT)

Application will be reviewed on ongoing basis. Late or incomplete submissions will not be considered.