

MINISTRY OF ENERGY AND PETROLEUM
KENYA OFF-GRID SOLAR ACCESS PROJECT FOR UNDERSERVED COUNTIES
(K-OSAP)
TERMS OF REFERENCE

FOR TECHNICAL ADVISOR - COOK STOVE

JOB REF NO: KE-MOE-28268-CS-INDV

I. Background

1. The Kenya Off-grid solar access project for underserved counties (K-OSAP), financed by the World Bank and implemented by the Ministry of Energy and Petroleum, Kenya Power and Lighting Company (KPLC) and Rural Electrification Authority (REA), aims at providing a comprehensive suite of investments to provide electricity services to households, enterprises and community facilities, boreholes, with pragmatic business models to attract private sector investment, sustainable services, know-how and efficiencies. The Project will support four components that are aimed at:

- i. Electrification of households, public facilities and businesses through mini-grid systems;
- ii. Electrification of households through standalone solar systems and provision of Clean Cooking Solutions for households;
- iii. Electrification of community facilities through standalone solar systems and Solar Water pumps for communities;
- iv. Technical Assistance, including institutional development, capacity building and project implementation support.

2. According to The Project Procurement Strategy for Development (PPSD), the project has Four (4) components as follows:

Component 1: Mini-grids for Community Facilities, Enterprises, and Households to be implemented by KPLC and REA: This component finances procurement of construction, operation and maintenance of mini-grids. Nearly 120 mini grids will be implemented in the 14 underserved counties, in lots of 100-700 prospective users, with approximate total demand of 20-300kW. This component will have six (6) contract packages for Supply and Installation, and 7 to 12 years O&M of mini-grids, with possible renewal of O&M contract period by the client.

Component 2: Standalone Solar Systems, and Clean Cooking Solutions for Households to be Implemented by Ministry of Energy and Petroleum through debt facility as a financial intermediary (FI) and a grant facility as a management contract. This component has two sub components: Sub Component 2A - Standalone Solar Systems for households and Sub Component 2B- Clean Cooking Solutions for Households;

Component 3: Standalone Solar Systems and Solar Water Pumps for Community Facilities to be implemented by KPLC and REA: This component has two sub components: Sub-component 3A- Standalone Solar Systems for Community Facilities and Sub-component 3B- Solar Water Pumps for Community Facilities.

Component 4: Implementation Support and Capacity Building: This component has two sub components: Sub-Component 4.1- Consumer Education and Awareness and Sub-component 4.2 - Implementation Support and Capacity Building.

The Project Implementing Agency, the MoEP, has established a Project Coordination Unit (PCU) to focus and fully manage the day to day operation of the project. The PCU is to be staffed with highly experienced key technical experts who will handle and manage the project implementation.

II. OBJECTIVE OF THE ASSIGNMENT:

The objective of this assignment is to provide technical support to the Ministry of Energy and Petroleum in implementation of Sub Component 2B - Clean Cooking Solutions for Households. This Sub component aims to ensure transition from low-efficiency baseline stoves to cleaner, higher efficiency improved stoves initially in five underserved counties namely Turkana, Samburu, West Pokot, Isiolo and Marsabit.

III. SCOPE OF THE ASSIGNMENT:

- i) Provide support and advice on the deployment of Clean Cooking Solutions - appliances and fuels for Households and institutions;
- ii) Provide support and advice on the selection of the most efficient and effective Clean Cooking Solutions;
- iii) Provide support and advice to target communities for deployment of Clean cooking Solutions;
- iv) Provide support and advice to selected producers, distributors, wholesalers and retailers of Clean cooking Stoves;
- v) To support monitoring, evaluation and reporting on performance and adoption of Clean cooking solutions;
- vi) Support preparation and submission of project progress, monitoring and evaluation reports;
- vii) Document the lessons learnt in the implementation of the project and make recommendations for future interventions;
- viii) Acts as a liaison person for Sub Component 2B;
- ix) Provide guidance to the implementing agency on future review of technical and policy development priorities for clean cooking sector;
- x) Propose solutions to emerging challenges in the project implementation;
- xi) Support the development, production, distribution and utilization of Clean cooking solutions;
- xii) Support the Coordination and administration of outreach and knowledge management on Clean Cooking Solutions; and
- xiii) Support the implementing agency in promoting Private Sector participation in development of Clean Cooking Solutions.
- xiv) The stove technical advisor will work in close cooperation with and under the guidance of the PCU Project Coordinator.
- xv) Any other duties as may be assigned by the Project Coordinator

IV. Assignment Location

The technical Advisor will be based at the Project Coordination Unit (PCU) in MoEP offices at Nyayo House, Nairobi, and shall be expected to regularly meet and support the project staff. The consultant may also be called upon to undertake any other duties as determined by the K-OSAP coordinator, including attending more program-wide meetings to discuss the project.

V. Time frame and Reporting

The expected duration of the consultancy is one year, with possibility of contract extension subject to satisfactory performance. The assignment is expected to commence in **November, 2018**. The consultant will report to the K-OSAP Coordinator at the Ministry of Energy and Petroleum and work closely with the World Bank for guidance and advice.

The **Technical Advisor on Cook Stove** will be required to submit reports as follows:

- 1) One copy of monthly progress reports highlighting both challenges and achievements;
- 2) One copy of quarterly progress on activities undertaken and solutions to challenges;
- 3) One copy of annual progress reports; and
- 4) One copy of project completion report after the completion of the Project.

VI. Qualifications and Experience Requirements:

- i. Masters degree from any recognized institution in the area of Energy, engineering, renewable Energy technology or any other related discipline with combination of appropriate trainings;
- ii. At least eight (8) years of direct relevant work experience as cook stove specialist or alternatively, having had responsibilities with a substantial content of his/her position in the cook stove sector in donor funded projects for at least eight (8)years;
- iii. Well-versed and experienced in working with the International Workshop Agreements (IWA) on cook-stove effectiveness and has knowledge of cook stove testing.
- iv. knowledgeable about gender issues in clean cooking;
- v. Experience in implementing Development projects in diverse cultural, environmental and economic situations;
- vi. Ability to work with multiple stakeholders both internal and external
- vii. Analytical, solutions focused problem-solving skills

VII. Selection Method:

The consultant selection will follow the World Bank's Procurement Regulations for Investment Projects Financing (IPF) Borrowers for Individual Consultants.