

Terms of Reference for a National Consultant

Project Title:	Grid-Connected Small-Scale Photovoltaic Systems
Contractual Modality:	Local Individual Contract
Duty Station:	Cairo
Duration:	12 months
Supervision:	Project Manager & NREA Deputy Chairman.

Background

The objective of the project is to remove the barriers to increased power generation by small, decentralized, grid-connected PV systems. The project strategy builds on the planned Government initiatives to develop a market for small, decentralized renewable energy power generation by ensuring adequate returns on targeted private sector investments.

The project will catalyze the development of decentralized, grid-connected small-scale renewable energy (RE) power generation market in Egypt and the solar PV in particular. The target is to facilitate the installation of new decentralized PV resulting in direct GHG reduction benefits of 66 kilo-tons of CO_{2eq} during the lifetime of the project. Complementary indirect mitigation benefits are expected from the sustained market growth of the PV market after the project with estimated GHG reduction of about 0.6-0.7 million tons of CO_{2eq}.

The project is funded by the Global Environment Facility (GEF) and United Nations Development Programme (UNDP) acts as the GEF Implementing Agency. The project is executed by Industrial Modernization Centre (IMC) of the Ministry of Industry and Foreign Trade, which will assume the overall responsibility for the achievement of project results as UNDP's Implementing Partner (IP).

By the end of the project, the project seeks to establish a basis for sustainable market growth by:

- Supporting the design, purchase and installation of the first PV systems as an easily replicable model;
- Establishing an enabling policy and institutional and regulatory framework to provide the basis for sustainable market growth of small, decentralized RE (primarily PV) applications and for attracting adequate financing for the required investments;
- Strengthening the supply chain by building the capacity of the key supply-side stakeholders such as system designers, equipment vendors and installers to offer competitively-priced, good-quality products and services to the targeted stakeholders (including required after-sales services) and by introducing adequate quality control mechanisms to build up customer confidence and positive customer experiences of small, decentralized PV systems; and
- Facilitating the establishment of a financing framework and a network of local financial institutions to support the development of the decentralized PV market by providing long-term financing on attractive terms for PV investments and, as applicable, dedicated funds especially for those households which, without a previous credit history and/or required collateral, may face difficulties in convincing the banks of their credit-worthiness.

Objective

New & Renewable Energy Authority (NREA) is an Governmental Authority, under the Egyptian Ministry of Electricity and Renewable Energy, established in 1986 to enhance and encourage the usage

of Renewable Energy Resources and Energy Efficiency Applications and to Support the Implementation of the Egyptian electricity sector policies include: diversifying energy resources, improving energy efficiency (EE) through energy conservation measures and promoting renewable energy (RE) utilization.

Under this task, EGYPT PV Project intend to provide the support to NREA to assign a PV Expert, having the responsibility, with the support of NREA PV team, to manage the daily tasks of NREA PV department, manage and follow up of the current feasibility studies and tenders, business development of new projects in cooperation with national and international stakeholder.

Duties and Responsibilities:

Under the direct supervision of NREA, the PV Expert will be responsible for the following tasks:

1. Restructuring of PV Department based on the tasks (Design, Procurement, Tendering and evaluation, Grid Connection, etc.).
2. Allocation of tasks for each member of NREA PV Department employees.
3. Manage the daily tasks of NREA PV Department.
4. Manage the ongoing Feasibility studies and Tenders for NREA PV Projects
5. Develop and upgrade the procedures of giving qualification certificates for PV installers.
6. Prepare a Key performance indicators KPIs for evaluating the performance of PV department employees
7. Prepare a monthly report about the progress of PV department activities.
8. Prepare a monthly evaluation of PV department employees.
9. Prepare a quarterly report about 1) The status PV market in Egypt based on the available data 2) Maximizing the opportunities of PV applications and projects 3) meeting the challenges of Grid connections, etc.
10. Follow up the cooperation activities with other countries.
11. Propose a business development plan for NREA future projects and propose the best developing techniques (IPP, BOO, EPC + Finance, etc.).
12. Be in link with the Local and International financial institutions for getting the best financing scheme for NREA future PV projects.

Deliverables

1. Allocation of tasks and mandates of NREA PV department employees.
2. Job description and KPIs indicators for NREA PV department employees.
3. A monthly report about the activities of the PV department.
4. A monthly evaluation of PV department employees.
5. A quarterly report about 1) The status PV market in Egypt based on the available data 2) Maximizing the opportunities of PV applications and projects 3) meeting the challenges of Grid connections, etc.
6. A well prepared PowerPoint presentations on each part of this task.
7. Final Report upon the end of this tasks.

Duration

The expected duration of the task is 12 months starting from beginning of January 2019.

Qualifications and Experience

Advanced degree in Engineering or related field to renewable energy or any other related science-based background.

- At least 10 years of relevant experiences in the field of PV systems (small, medium and large capacities).
- Proven experience in providing similar services, hands-on experience in the PV systems;
- Strong facilitation, coaching and presentation skills;
- Previous experience with internationally funded project is an advantage;
- Previous experience with the Regulations of international Donors like KfW, AfD, JICA, etc.
- Familiar with government institutions and coordination mechanism;
- English language fluency and strong writing skills required.

Recruitment and Method of Payment

- The work is estimated as mentioned for a total of 12 months.
- The person hired will be responsible for tax liabilities generated by this contract.
- Payment will be made on a monthly bases and based on the outcomes and the activities that have been done during each month.

APPLICATION PROCESS

- For the interested applicants, please e-mail your CV, Technical & Financial Offer to: info@egypt-pv.org and sabdelwahab@egypt-pv.org
- The subject line of the e-mail should read “Egypt-PV_ Short Consultancy at NREA”
- Applications are currently being accepted until the deadline of 8th September 2018

REMARK: THIS POSITION IS OPEN TO EGYPTION NATIONAL ONLY.