مشروع طاقة الريـــاح

WIND ENERGY PROJECT

MWRE

THE REPUBLIC OF SUDAN

MINISTRY OF WATER RESOURCES, IRRIGATION AND ELECTRICITY

WIND ENERGY PROJECT

Promoting Utility Scale Power Generation from Wind Energy

Request for Proposal for

Consultancy Service for

ESTABLISHMENT OF "ONE-STOP SHOP" (OSS) FOR RENEWABLE ENERGY INVESTORS AND DEVELOPERS

(Term of Reference)

July 2018

TERMS OF REFERENCE
FOR THE ESTABLISHMENT OF "ONE-STOP SHOP" (OSS) FOR RENEWABLE ENERGY INVESTORS AND DEVELOPERS

A. Project Title: "Promoting Utility Scale Power Generation from Wind Energy"

B. Project Description

Like many developing countries, Sudan suffers from a shortage of electricity. Approximately 35% of the population have access to electricity. Even then, supply is not reliable and experiences regular outages and even system blackouts. Hydro-power has the largest share of energy generation. The potential to expand hydro-power to meet future needs is limited. Sudan does not have significant oil or gas production and as a result will have to turn to importation of fossil fuels to meet future energy needs. Currently some 800MW gas turbines are being constructed at Garri northen Khartoum and Port Sudan to bridge the present power shortage gap. As an interim solution for the power shortage, the Ministry of Water Resources, Irrigation and Electricity has hired a floating 150MW power plant at Port Sudan. On another side climate change threatens to affect rainfall patterns in the region on which Sudan relies for the water that generates its hydro-power as well as rain-fed agriculture. Considering the hydropower seasonality and the uncertainties surrounding the availablity and price of oil products, this further emphasises the need for Sudan to diversify its energy sources.

Sudan currently has a power generation capacity of about 3,500 MW, has no wind generation capacity and no grid-connected solar capacity. Sudan power system responsibility is being undertaken by government-owned companies of the power generation, transmission and distribution networks. The Electricity Regulatory Authority (ERA Sudan) is undertaking the responsibility of the power sector regulation. Sudan transmission grid consist of 965 km of 500 kV transmission lines, 5,984 km of 220 kV transmission lines and 1057 km of 110kV transmission lines . In 2017, the power consumption per capita was 325 kWh/ year. There are no independent power producers (IPPs) in the country -except for a small scale diesel power plant in Niyala-, though initiatives are underway to promote private investment in power generation. Former National Electricity Corporation had previous experience in this respect by establishing an IPP department within its structure. Although some IPP agreements have been concluded, they could not be implemented due to the absence of the legal framework. This wind energy project seeks to support those initiatives where they relate to wind power.
The Wind Energy Project (WEP) is a Government of Sudan/UNDP/GEF initiative for the development of grid connected wind power generation in Sudan and part of its activities is supporting the development of policy and regulatory framework that encourages private sector investment in renewable energy based power generation. The second outcome of the wind energy projects is "Renewable Energy Policy, Institutional, and regulatory framework" including the preparation of the Independent Power Producer (IPP) and Public Private Partnership (PPP) Acts and regulations.

The WEP Executing Entity/Implementing Partner is The Ministry of Water Resources, Irrigation and Electricity (MWRIE) Implementing Entity/Responsible Partners are Ministry of Environment, Forestry & Natural Resources, General Directorate of Energy Affairs - Ministry of Petroleum, Higher Council for Environment & Natural Resources and National Energy Research Centre – Ministry of Sciences and Communications.
In addition to that there are some other important stakeholders such the Ministry of Finance and Economic Planning, Ministry of Investment, Central Bank of Sudan and Ministry of Justice.

All the mentioned above institutions will be referred to as stakeholders in the rest of the documents.

In geographical terms the Wind Energy Project is targeting Dongola wind project northern Sudan as the baseline location to be followed by the Red Sea coast as the first replication. In the meantime meteorological data collection are underway in other potential areas covering the Northern State and South Darfur State western Sudan which are the future targets in the long term planning of wind power application in Sudan.
The baseline wind power plant represents the first of its kind in the country and as such tangible efforts are needed to make a success out of it, as any failure will represent a setback to any future efforts in grid connected renewable energy projects. Therefore, the project is following a holistic approach whereby all technical and non-technical issues surrounding the project are carefully addressed and a wide scale stakeholder involvement is ensued. This includes hardware design, planning and installation, metrological data collection, analysis and mapping, land ownership, effect on local communities, effect on migratory soaring birds and ecosystem in the project areas.

On the regulatory side ERA Sudan is currently preparing the legal and regulatory frameworks to ensure clarity and transparency of the sector (Energy Efficiency, Renewable Energy and Amendment to Electricity 2001Acts have been drafted). ERA has also prepared Sudan Grid Code for transmission and Sub Codes for Distribution, Renewable Energy, and Nuclear which has been later updated by The Wind Energy Project and promulgated by ERA Sudan. ERA has also commenced a separate study on the cost of electricity and the tariff structure for Sudan power system including the Feed-in Tariff, the first draft of which has been issued.

Accordingly under this assignment the wind energy project intend to hire the services of Consultancy Firm with vast experience in the RE policy and regulations formulation to establish an operational OSS for wind energy investors and developers housed jointly between the Investment and Regulatory Departments of the MWRIE with Linkage to Ministry of Investment existing One Stop Shop.

C. Objectives:

1-Avail all investments requirements in one place.

2-Give clear documented guidelines for investors to realize the Renewable Energy (RE) projects.

3-Provide OSS service for RE investors in terms of getting permissions and approvals.

D. Scope of Work

WEP/MWRIE is seeking the services of Consultancy Firm with vast experience in RE policies and legislation development to establish an effective operational OSS for RE for providing a single point of contact for investors and developers with the Government.

The scope of the consultancy should include, but not limited to:

1. Determine the relevant stakeholders roles and responsibilities as well as the procedures that must be followed regarding the establishment of the OSS.
2. Consolidate the requirements for permits and legislation for RE projects in a single location with a single set of documentation explaining the process and requirements for investors.
3. Specify the Mandate and representatives for the OSS.
4. Interface with required institutions to provide representation within the existing ministry of investment OSS capable of providing the OSS service for RE projects.
5. Establishment of procedure and operational guidelines defined for the OSS. In addition to develop a flowchart for the RE investment process within the OSS.
6. Propose an automated procedure for the investment process between the RE investor and relative ministries.
7. Propose a computerized application to handle all the consequences and the procedures assumed at OSS.
8. The proposed OSS shall borrow regional and international experience customize to Sudan condition.
9. Establishing procedures and training personnel to support integration of the permitting process, site-specific surveying, technical assistance for feasibility studies, and ecological and environmental impact assessments to help support the requirements of financiers and donors
10. Provide awareness workshop about the OSS for the relevant stakeholders' staff in Khartoum.
11. Suggest any additional component to this TOR document to fill any gaps on the available documents.

E. Expected Outputs and Deliverables

Deliverables / Outputs	Estimated Duration to Complete	Due Dates	Submission Requirements	% of Payment	Review and Approvals Required
An Inception report show the methodology, time schedule and required data to fulfill the requirements of the scope of work.	10 working day	Within 10 working days from the commencement of the contract.	Inception Report.	Nil	Project manager

- Draft report cover the required out-comes in the scope of work. .	20 working days	Within 30 days from the commencement of the contract	Draft Report	25%	Project manager
Presentation to the project stakeholders and getting comments.	1 working days	Within 31 days from the commencement of the contract	Presentation to get comments	Nil	Project manager
Provide awareness workshop and training program (cover point 8 and 9 in the scope of work) for the relevant stakeholders' staff in Khartoum.	3 working days	Within 34 days from the commencement of the contract	Training workshop	25%	Project manager
- Submission of the Final re-vised version of the study to cover the scope of work.	14 working day	Within 48 days from the commencement of the contract	Final revised version	50%	Project manager

F. Institutional Arrangement:

The consultant will work under the supervision and guidance of UNDP, the Wind Energy project through a project team comprised from WEP and MWRIE

G. Duration of the Assignment:

The assignment is for 48 working days.

- The assignment is expected to start on 1st September 2018 and concluded not later than 1st December 2018.

H. Duty Station

The consultant duty station during the presentation and the training workshop is Khartoum and working exclusively with the project team.

I. Qualifications:

The consulting firm should present:

1. Complete firm profile with demonstrated experience in designing effective schemes to facilitate private renewable energy investments including experience in One Stop Shop (OSS) formulation and associated implementation programs. The project team members CVs should be submitted.
2. Experience in assessing institutional setup related to the field of renewable energy investments and formulating respective programs addressing the facilitation of private investments procedures and related legal issues.
3. Work experience in countries with similar conditions, especially in the African and Arab countries context, is an advantage.

J. Scope of Financial Proposal and Schedule of Payments

The proposal shall be based on Daily fees and all-inclusive payable as follows:

- 25% on completion and submission of Draft report.
- 25% on completion and conducting a presentation to the stakeholders.
- 50% on receipt and acceptance of the Final documents.

Additional:

UNDP will:

- Cover the cost of economy class return ticket with direct route from/to the consultant home country.
- Provide daily subsistence allowance for the day in the field as per UNDP rule and regulations.

K. Recommended Presentation of Offer

Interested consultants shall present:

a) Duly accomplished Letter of Confirmation of Interest and Availability.
b) Personal CV, indicating all past experience from similar projects, as well as the contact details.
c) Methodology of implementing the assignment.
d) Financial Proposal that indicates the all-inclusive fixed daily

L. Evaluation Criteria and selection of the consultant:

The selection of the prospective consultant will be based on the combined weight of:

- Qualifications and methodology 70%.
- Financial offer 30%;

Assessment Criteria	Maximum Obtainable Points	Weightage (%)	Evaluated Points Obtained by the Offerors		
			A	**B**	**C**
Methodology					
The completeness of the proposal and the comprehensiveness of the methodology.	10	14%			
The work plan schedule and timeline to complete the study.	10	14%			
Qualification					
Firm profile.	15	21%			
Experience in designing effective schemes to facilitate private renewable energy investments including experience in One Stop Shop (OSS) formulation.	20	30%			
Project team members CVs.	10	14%			
Work experience in countries with similar conditions, especially in the African and Arab countries context.	5	7%			
TOTAL	70	100%			