REQUEST FOR EXPRESSIONS OF INTEREST
(CONSULTING SERVICES)
Arab Republic of Egypt
Integration of Wind Power in the Egyptian Power System
& Establishment of Wind Integration Grid Code

Sector: Power/Energy/Consulting Services

This request for expressions of interest follows the General Procurement Notice for this project that appeared in the UN Development Business online on 29 October 2012.

The Government of the Arab Republic of Egypt has received a grant from the African Development Bank (AfDB) toward the cost of studying the integration of wind power in the Egyptian power system and establishment of wind integration grid code for Egypt, and intends to apply part of the agreed amount for this grant to payments under the contract for a Study on the Integration of Wind Power in the Egyptian Power System & Modification of the Existing Wind Integration Grid Code.

The main components of the study include, but not limited to, the following: 1) Review of available technical documentation; 2) Review and validation of existing dynamic PSS/E model of the Egyptian power system and also use DlgSILENT modeling (as needed); 3) Modify the existing PSS/E model to include detailed wind farms modeling and necessary reinforcement to the transmission system to accommodate the 7200 MW wind especially at eastern and western Nile areas; 4) Assessment of load-following capability and reserve capacity requirements; 5) Studying the requirement for network protection and control strategies and assess protection and FRT (low and high voltage ride-through) capability requirements for both symmetrical and asymmetrical faults based on dynamic studies to ensure the stability of the system with wind power integration; 6) Modifying the existing Draft Wind Integration Grid Code for integration of wind power plants based on the outcomes of the study; and 7) Developing suggestions on how to integrate wind forecasting in power system operation and planning in Egypt.

The Egyptian Electricity Transmission Company (EETC) now invites eligible consultants to indicate their interest in providing these services. Interested consultants must provide information indicating that they are qualified to perform the services, including: 1) history and current consultant's activities; 2) experience of the consultant in consultancy services related to the development of protection, control and operational guidelines, power system planning and studies, wind modelling, preparation of Wind Grid Codes and specifying system requirements to accommodate high wind penetration levels; and 3) any information deemed by the consultant to be relevant to this project. Consultants may constitute joint-ventures to enhance their chances of qualification.

Eligibility criteria, establishment of the short-list and the selection procedure shall be in accordance with the African Development Bank’s “Rules and Procedures for the Use of Consultants” (May 2008, revised July 2012), which is available on the Bank’s website at http://www.afdb.org.

Interested consultants may obtain further information at the following address during office hours (09:00 to 15:00 hrs).

Name of the Organization , Egyptian Electricity Transmission Company
Name of the Unit or Office Sector of Studies of RE Integration
Name of the Officer: Eng. Ivone Fahim
His / Her Title (position / designation): Head Sector
Street Address: Emtedad Ramsis Street, Abassia
Name of the City: Cairo
Name of the Country: Egypt
Telephone number: +202-26748570; 01061971590; 01222730828
E-Mail: eetc.windintegration@hotmail.com
Expressions of interest must be delivered to the address below (either hard or electronically) by 13 December 2012 at 12:00 noon Cairo local time and mention “Expression of Interest for Consultancy Services on Integration of Wind Power in the Egyptian Power System & Establishment of Wind Integration Grid Code”.

Name of the Organization: Egyptian Electricity Transmission Company
Name of the Unit or Office: Sector of Purchases
Name of the Officer: Eng Karima Ghareeb
His / Her Title (position / designation): Head Sector
Street Address: Emtedad Ramsis Street, Abassia
Name of the City: Cairo, Egypt
Telephone & Fax number: +202-22616537
E-Mail: eetc.windintegration@hotmail.com