



## REQUEST FOR EXPRESSIONS OF INTEREST (CONSULTING SERVICES – FIRMS SELECTION)

**COUNTRY:** Southern African Power Pool region

**NAME OF PROJECT:** Southern African Power Pool Program for Accelerating Transformational Energy

**Projects Grant No.:** H9890

**Assignment Title:** EAPP and SAPP Interconnection Impact Studies

The World Bank is preparing a Program with the Southern Africa Power Pool (SAPP) to help accelerate preparation of priority regional power generation and transmission projects in the region of the Southern African Power Pool. The Program Development Objective is “to facilitate the preparation of priority regional energy projects in the Southern African Power Pool region”.

### **Objectives of consultancy assignment**

The main objective of the study is to analyze the impact of connecting EAPP and SAPP grids. It is necessary to evaluate the technical feasibility of the interconnection including the steady state and dynamic response of the grid systems on the interconnection of the two power pool’s markets. The study should also analyze the power exchange options between the two power pools for both bilateral and competitive market trading once the two power pools are interconnected in view of the current trading arrangements that are in place or are being planned for the two power pools.

The Eastern Africa Power Pool and the Southern Africa Power Pool are the two active power pools in the Eastern and Southern Africa regions, respectively, comprising of member countries from the COMESA and SADC economic communities. As with other power pools in the continent, the two power pools are operating under the umbrellas of the two regional organizations, COMESA and SADC respectively for EAPP and SAPP. The Democratic Republic of Congo (DRC) and The Republic of Tanzania belong to both power pools.

While bilateral exchanges and interconnections date back to the 1950s in both regions, interest in trade and interconnection appear to have been growing over the last two decades culminating in the establishment of SAPP in 1995, and EAPP in 2005.

Members in both regions have for long been developing their power infrastructure in anticipation of meeting their national demand through own generation, and maximize savings and earnings through the import and export of surplus energy.

The Southern Africa Power Pool is the most advanced pool in the continent featuring the largest interconnected members and an active short term electricity trade along with the traditional long term

bilateral exchanges. The Eastern Africa Power Pool similarly has ten member countries with three long term bilateral exchanges. Extensive preparations have been underway to start a short term market including the pilot market exercise in 2014.

With the completion of the Ethio-Kenya, Kenya-Tanzania, and the NELSAP interconnection projects, which are all under implementation, members of EAPP will be interconnected by 2020 with the exception of Libya and Egypt pending the implementation of the Sudan-Egypt 600 KV DC line.

And once the construction of the Tanzania-Zambia interconnector is completed the two power pools will be connected with each other creating the largest interconnected network in Africa and an attractive power market.

The EAPP and SAPP have thus initiated this study to identify issues and recommendations pertaining to the safe operation of the interconnected network and power trade across the two regions.

### **Required Qualifications and Experience**

The Consultant shall be a qualified, internationally recognized firm with at least 10 years of experience in power sector consulting services and a proven track record of specific experience power system interconnections. This shall involve at least 3 similar assignments executed/under execution by the firm, including at least 1 regional similar assignment either in EAPP or SAPP. The Consultant shall have experience in regions where integration of power systems/development of regional power markets are being or have been pursued. The firm should be able to field multinational teams, covering at a minimum, areas such as: Team Leader with broad power sector including regulatory expertise; Power System Expert; Transmission Planning Expert and an Economist.

The SAPP now invites eligible consulting firms ("Consultants") to indicate their interest in providing the Services. Interested Consultants should provide information demonstrating that they have the required qualifications and relevant experience to perform the Services.

The shortlisting criteria are:

- Years in business with relevant power sector consulting services experience
- Number of qualified staff
- Number of relevant projects,
- Number of relevant projects in the Southern African and/or East African regional
- Number of projects with similar size / volume and complexity

Consultants may associate with other firms in the form of a joint venture or a sub-consultancy to enhance their qualifications.

A Consultant will be selected in accordance with the QCBS method set out in the Consultant Guidelines.

Further information can be obtained at the address below during office hours from Monday to Friday [ 08:00 to 16:30 hours ].

Expressions of interest must be delivered in a written form to the address below (in person, or by mail, or by e-mail) by 07 June, 2016 at 15:00 hours Central African time and mention " **Expression of Interest for Consultancy Services for the EAPP and SAPP Interconnection Impact Studies** "

**Address and Contact:**

**Southern African Power Pool**

**Attention: Thembekani Luthuli, SAPP-PAU Procurement Specialist**

**222 Morningside Close**

**Morningside**

**Johannesburg**

**South Africa**

**Tel: +27 72 709 7252**

**Email Address: [Thembekani.luthuli@sapp-pau.com](mailto:Thembekani.luthuli@sapp-pau.com)**