



# WEST AFRICAN POWER POOL (WAPP)



## REQUEST FOR EXPRESSIONS OF INTEREST

### (CONSULTING SERVICES – FIRMS SELECTION)

Country: **Multinational-West African Power Pool (WAPP);**  
Project ID: **P162933**

Project: **330 kV WAPP NIGERIA – BENIN – TOGO – GHANA - CÔTE D'IVOIRE MEDIAN INTERCONNECTION PROJECT**

Assignment title: **LINE ROUTE AND ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT (ESIA) STUDY**

The West African Power Pool (WAPP) Secretariat, a Specialized Institution of the Economic Community of West African States (ECOWAS), headquartered in Cotonou, Republic of Benin, has applied for a Grant from the World Bank and intends to apply part of the proceeds for consulting services for a **Line Route and Environmental and Social Impact Assessment (ESIA) Study of the 330 kV WAPP Nigeria – Benin – Togo – Ghana - Côte d'Ivoire Double Circuit Median Interconnection Project**. The services also include the identification of villages/town/communities along the proposed line route that could be eligible for electrification and the conduct of detailed ESIA of selected communities.

#### Scope of Work

The successful Consultant shall undertake among others:

##### Line Route Study:

- Proposal of Line Route corridor;
- Detailed Survey and Profiling of Line Route;
- Proposal of Substation Sites;
- Detailed Survey of Substation Sites;
- Preparation of maps and drawings;

##### Environmental and Social Impact Assessment (ESIA) for Transmission Line:

- Study of Existing Environment;
- Preparation of environmental and Socio-economic Baseline
- Survey and assessment of affected biological resources, sensitive receptors, such as natural habitat and critical habitat and affected communities
- Census, socio-economic and asset inventory surveys for resettlement impacts and RAP formulation
- Identification & Assessment of Potential Environmental and Social Impacts;
- Preparation of GIS maps and coordinates of environmental markers, sensitive eco systems and affected communities along the routes
- Conduct Social and Conflict Analysis
- Conduct stakeholder engagement and Public Consultations;
- Preparation and implementation of Stakeholder Engagement Plan (SEP)
- Identification of Mitigation Measures, including all aspects mentioned in the new World Bank Environmental and Social Framework (ESF) and its 10 Environmental and Social Standards;
- Preparation of Resettlement Action Plans (RAP) to address the land acquisition and displacement impacts;
- Preparation of Environmental Impact Statement (EIS);
- Preparation of Environmental & Social Management Plan (ESMP) including mitigation for Influx management, Worker's Camp Management Plan, Gender, Gender Based Violence (GBV), Sexual Exploitation and Abuse (SEA), Labour Management Plans, Code of Conduct, impacts on Natural Habitat and Critical Habitat, estimate of areas to be deforested in ha and type of vegetation affected, impacts on wildlife, Occupational Health and Safety, Emergency Response Plan and ESMP implementation arrangements;
- Preparation of Illustrative Materials.

##### Identification and ESIA for Communities eligible for electrification:

- Identification of villages/towns/communities along the proposed line route/substations that could be eligible for electrification;
- Study of Existing Environment;
- Preparation of environmental and Socio-economic Baseline
- Survey and assessment of affected biological resources, sensitive receptors and affected communities;
- Census, socio-economic and asset inventory surveys for resettlement impacts and RAP formulation
- Identification & Assessment of Potential Environmental and Social Impacts;
- Preparation of GIS maps and coordinates of environmental markers, sensitive eco systems and affected communities along the routes
- Conduct Social and Conflict Analysis
- Conduct stakeholder engagement and Public Consultations;

- Preparation and implementation of Stakeholder Engagement Plan (SEP)
- Identification of Mitigation Measures;
- Preparation of Resettlement Action Plans (RAP) to address the land acquisition and displacement impacts;
- Preparation of Environmental Impact Statement (EIS);
- Preparation of Environmental & Social Management Plan (ESMP) including mitigation for Influx management, Gender, Gender Based Violence, Sexual Exploitation and Abuse (SEA), Labour management Plans;
- Preparation of Illustrative Materials.

##### Training:

- Transfer of technological know-how through training of counterpart staff.

The estimated level of effort is 110-120 professional staff-months. The implementation period is estimated at 82 weeks. The expected start date of assignment is March-April 2020.

The detailed Terms of Reference (TOR) for the assignment can be found at the following website: [www.ecowapp.org/en/tenders](http://www.ecowapp.org/en/tenders).

Please note that these TOR are indicative and could change before the publication of the Request for Proposals.

Interested Consultants should note that a separate Call for EOI for carrying out a Feasibility Study and the Preparation of Bidding Documents has also been published. The Consultants are informed that they can only be awarded one of the contracts and not both.

Close collaboration with the Consultant who will prepare the Feasibility Study is required.

#### Consultants Qualifications and Shortlisting Criteria

The West African Power Pool (WAPP) Secretariat 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: (i) Relevant experiences and competences in the preparation of Electricity Projects; (ii) Relevant experiences and competences in line route studies of high voltage (at least 220 kV) cross-border interconnection projects covering at least two countries (iii) Relevant experiences and competences in the preparation of *Environmental and Social Impact Assessment (ESIA) Studies*, Preparation of Resettlement Action Plans and in the preparation of Environmental & Social Management Plans for Transmission Line Interconnection projects that traverse through a group of countries, (v) Knowledge of the Electricity Sector in West Africa and associated environmental and social issues at the country and regional level.

Key Experts will not be evaluated at the shortlisting stage.

The attention of interested Consultants is drawn to Section III, paragraphs, 3.14, 3.16, and 3.17 of the World Bank's "Procurement Regulations for IPF Borrowers" July 2016 Revised November 2017 and August 2018 ("Procurement Regulations"), setting forth the World Bank's policy on conflict of interest.

Consultants may associate with other firms to enhance their qualifications but should indicate clearly whether the association is in the form of a joint venture and/or a sub-consultancy. In the case of a joint venture, all the partners in the joint venture shall be jointly and severally liable for the entire contract, if selected.

The Consultants will be selected in accordance with the "Quality and Cost-based Selection" method set out in the Procurement Regulations.

Further information can be obtained via email addressed to:

[procurement@ecowapp.org](mailto:procurement@ecowapp.org), copy to [bhessou@ecowapp.org](mailto:bhessou@ecowapp.org); [andorere@ecowapp.org](mailto:andorere@ecowapp.org); [nisoumana@ecowapp.org](mailto:nisoumana@ecowapp.org).

Expressions of Interest must be submitted in **French and English** to the address below by **September 16<sup>th</sup>, 2019, 10:00 AM**. Please submit one original + 4 hard copies + an electronic version on USB in French and 2 hard copies + an electronic version of the EOI translated in English.

West African Power Pool  
Attn: Mr. Siengui A. Kl, Secretary General  
Zone des Ambassades, PK-6, Akpakpa Cotonou  
06 BP 2907 Cotonou  
Benin  
Tel: (+229) 21 37 41 95 / (+229) 95 28 46 02

Expressions of Interest must be delivered in sealed envelopes bearing the mention:

**"EOI for Line Route and Environmental and Social Impact Assessment (ESIA) Study of WAPP Median Interconnection Project"**.



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## REQUEST FOR EXPRESSIONS OF INTEREST

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Country: **Multinational-West African Power Pool (WAPP);**  
Project ID: **P162933**

Project: **330 kV WAPP NIGERIA – BENIN – TOGO – GHANA - CÔTE D'IVOIRE MEDIAN INTERCONNECTION PROJECT**

Assignment title: **FEASIBILITY STUDY AND PREPARATION OF BIDDING DOCUMENTS**

The West African Power Pool (WAPP) Secretariat, a Specialized Institution of the Economic Community of West African States (ECOWAS), headquartered in Cotonou, Republic of Benin, has applied for a Grant from the World Bank and intends to apply part of the proceeds for consulting services for the **Feasibility Study and the Preparation of Bidding Documents of the 330 kV WAPP Nigeria – Benin – Togo – Ghana - Côte d'Ivoire Double Circuit Median Interconnection Project**.

The consulting services ("the Services") include:

#### Feasibility Study:

- Determination of technical feasibility of the project;
- Economic and financial evaluation of the project including Risk and Sensitivity Analyses;
- Preliminary Engineering design at feasibility level and preparation of functional specifications;
- Proposal of an appropriate institutional framework and organization to be put in place that shall among others, minimize the risks of the project not being implemented within the best conditions of cost and time, and facilitate the coordinated operation of the interconnection when commissioned;
- Preliminary engineering, cost estimate and specifications for medium and low voltage systems, for conducting electrification of communities/villages/towns both around the indicated substations and along the entire line route using shield-wire technology and/or other appropriate technology;

#### Preparation of Bidding Documents:

- Preparation of Functional Bidding Documents;
- Proposal of Project Packaging suitable for Design and Build Procurement;

#### Commercial Framework

- Proposal of Levelized Transmission Cost (LTC);
- Update and/or Preparation of Commercial Agreements;
- Assistance during Negotiations.

#### Training :

- Training by transfer of technological know-how through training of counterpart staff in project preparation.

The estimated level of effort is 75-85 professional staff-months. The implementation period is estimated at 62 weeks. The expected start date of assignment is March-April 2020.

The detailed Terms of Reference (TOR) for the assignment can be found at the following website: [www.ecowapp.org/en/tenders](http://www.ecowapp.org/en/tenders).

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Interested Consultants should note that a separate Call for EOI for carrying out a Line Route Study and an Environmental and Social Impact Assessment Study has also been published. The Consultants

are informed that they can only be awarded one of the contracts and not both.

Close collaboration with the Consultant who will prepare the Line Route Study and the Environmental and Social Impact Assessment Study is required.

#### Consultants Qualifications and Shortlisting Criteria

The West African Power Pool (WAPP) Secretariat 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: (i) Relevant experiences and competences in the preparation of Electricity Projects; (ii) Relevant experiences and competences in feasibility studies of high voltage (at least 220 kV) cross-border interconnection projects covering at least two countries (iii) Strong expertise and experience in establishment of commercial framework to operate interconnection lines, (iv) Strong expertise and experience in the definition of Institutional Framework to implement project including several countries (v) Knowledge of the Electricity Sector in West Africa.

Key Experts will not be evaluated at the shortlisting stage.

The attention of interested Consultants is drawn to Section III, paragraphs, 3.14, 3.16, and 3.17 of the World Bank's "Procurement Regulations for IPF Borrowers" July 2016 Revised November 2017 and August 2018 ("Procurement Regulations"), setting forth the World Bank's policy on conflict of interest.

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The Consultants will be selected in accordance with the "Quality and Cost-based Selection" method set out in the Procurement Regulations.

Further information can be obtained via email addressed to: [procurement@ecowapp.org](mailto:procurement@ecowapp.org), copy to [bhessou@ecowapp.org](mailto:bhessou@ecowapp.org); [andorere@ecowapp.org](mailto:andorere@ecowapp.org); [nisoumana@ecowapp.org](mailto:nisoumana@ecowapp.org).

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Expressions of Interest must be delivered in sealed envelopes bearing the mention: "**EOI for Feasibility Study and Preparation of Bidding Documents of WAPP Median Interconnection Project**".