

REQUEST FOR EXPRESSIONS OF INTEREST (REOI)

CONTRACT NOTICE Consultant Services - Firm

CALL FOR TENDER : GENERAL INFORMATION

I. NAME AND ADDRESS CONTRACTING AUTHORITY

West African Power Pool (WAPP)

PK6, Zone des Ambassades, 06 BP 2907, Cotonou, Republic of Benin,
Tel. : (+229) 91 21 52 52/ 91 21 53 53

II. TITLE:

Establishment of a Geographic Information System (GIS)

Programme title

Improved Governance of the Energy sector in West Africa (AGoSE – AO)

Financing

11th EDF Regional Programme - EXTERNAL ACTIONS OF THE EUROPEAN UNION

III. TYPE OF CONTRACT

Services

IV. SHORT DESCRIPTION OF THE CONTRACT

4.1 Current Situation

The existing WAP GIS database titled WAPP GIS Version 1.0.0. was developed in January 2016. It includes a detailed representation of the transmission and generation system of the interconnected countries of the West African region and is composed of the following folders and files:

- Aerial
- Background
- PowerSystem
- SingleLineDiagram
- Styles
- Composer
- PDF maps
- QGIS Training manuals and exercises

Georeferenced data concerning the electrical assets are stored as shapefiles. The data contains:

- Power Plants,
- Substations,
- Lines,
- Reactors,

- Capacitors
- Power lines,
- Transmission Lines.

The background data contained in the database is mainly composed of aerial photos of the substations, shapefiles and raster exported from the Open Street Map database.

4.2 Expected Activities

4.2.1 Update/upgrade the existing Regional GIS database.

The Consultant will be expected to work in collaboration with ICC to:

- ✓ Identify the required updates of the GIS data;
- ✓ Identify the required and existing contextual and economic/markets data;
- ✓ Sensitize WAPP members on the WAPP GIS, and getting their acceptance and buy-in: country visits and regional meeting of a GIS task force (representatives from WAPP member utilities and the ICC);
- ✓ Identification of stakeholders expectations in regard to WAPP GIS;
- ✓ Launch data collection process by the WAPP GIS task force;
- ✓ Update and upgrade existing GIS database.

4.2.2 Develop a Web GIS prototype.

In Collaboration with the GIS taskforce, Consultant shall:

- ✓ Carry out needs analysis, requirement definition and product identification to identify and select the most reliable GIS software for the WAPP;
- ✓ carry out a comparative analysis between using proprietary GIS Solution vs opensource and make appropriate recommendations;
- ✓ The consultant shall support the WAPP in assessing and acquiring the identified GIS software;
- ✓ Use the acquired software to develop a GIS Prototype for the WAPP.

SPECIFIC WORK

4.2.3 GIS data collection procedure and standard

The consultant will review current procedures and techniques of GIS data collection storage system and recommend procedures to bring the practices up to acceptable international standards.

4.2.4 Update/upgrade of the Regional GIS data

The consultant shall update the WAPP GIS database titled WAPP GIS Version 1.0.0. January 2016 developed by the West African Power Pool with the support of Tractebel Engineering. It includes a detailed representation of the transmission and generation system of the interconnected countries of the West African region. The proposed architecture should be a client-server-based fail over system. System should be modular and scalable to allow for integration of additional services.

4.2.5 Development of the Web GIS Prototype

The consultant shall develop a Web GIS for quick and efficient service delivery to WAPP and its member utilities. Users within and outside WAPP Secretariat shall have access to various Web based services such as Google maps and can also enjoy access to the GIS system without a WAN or LAN connection using their own device such as mobile devices. The web GIS Database has two tiers of users, one for GIS development interactively at web and the other for consumer use and getting information or data.

At WAPP Administrative level, it will be possible, amongst others:

- i. To edit, compile, add new features and related information while in the field with access to the entire data controlled by WAPP;
- ii. To query any spatial database related to the electric network database;
- iii. To get physical images like satellite image or Google earth image for quick decision making;
- iv. To superimpose the collected electric network information on Google maps for getting direction, interactive map, location etc.;
- v. Ability to include geo-processing features to web mapping;
- vi. Electrical analysis, geographical analysis, database analysis, statistical analysis, financial analysis would be possible via Web access;

However, at other users or consumers end, it will to be possible amongst others to:

- i. To find out the coverage of electric transmission lines, distance;
- ii. Location, capacity of substations and other electrical assets;
- iii. Evaluate the connection status of new line connections;
- iv. Inform of load capacity on transmission lines;
- v. To realize the accessibility and condition of the present electrification network.

4.2.6 Capacity Building for the WAPP and Utilities members

Capacity Building is an essential component of this consultancy. It is envisaged that this is carried out as follows:

- i. Awareness workshop for stakeholder:

On completion of the integration and testing, an awareness workshop shall be held for relevant stakeholders in the region. This workshop will demonstrate the importance of the tool and its features.

- ii. Training of Administrators

Consultant shall also be required to train some designated Administrators of the system that will be responsible for the regular updating and management of the GIS System. The users will be drawn from the WAPP Secretariat and staff of the WAPP member utilities.

NB : Working languages of the ICC are English and French.

V. ESTIMATED TOTAL VALUE

Value excluding VAT : 100,000 EURO

VI. TYPE OF PROCEDURE

Restricted

VII. INFORMATION ABOUT LOTS

This contract is divided into lots: *Not applicable*

CALL FOR TENDER : INFORMATION PER LOT

VIII. PLACE PERFORMANCE

Cotonou – Benin

IX. AWARD CRITERIA

Price is not the only award criterion and all criteria are stated only in the procurement documents.

X. TIME LIMIT FOR SUBMISSION OF APPLICATIONS

Date: **September 13, 2021**

Local Time: **10:00 AM (Cotonou local time)**

*Proposals must be delivered by email only. Proposals will be sent no later than **September 13, 2021** at 10:00 AM local time in Cotonou to only the secure email address procurement@ecowapp.org*

Due to Covid19, submission of paper proposals is not permitted, and hard copy proposals will not be opened and evaluated.

XI. TENDER VALIDITY

Duration in months: **6 Months** (from the date stated for receipt of tender)

XII. CONDITIONS FOR OPENING OF TENDERS

Date: **September 13, 2021**

Local time: **10:30 AM (Cotonou local time)**

Place: **WAPP Secretariat Cotonou**

Applicants wishing to participate in the opening of applications received, which will be hosted online using Microsoft Teams, should send a request to the address below to Mr Mouhamadou S. Diedhiou via msdiedhiou@ecowapp.org no later than **September 9, 2021** and the link to join the virtual meeting will be communicated to them.

Answers to questions can be obtained by sending them to msdiedhiou@ecowapp.org copies to andore@ecowapp.org and otfajemirokun@ecowapp.org

Any proposal received by the WAPP after the expiration of the submission deadline will be rejected. Proposals will be opened on **September 13, 2021 at 10:30 pm local time in Cotonou** by the WAPP Procurement Committee.

The Minutes of the opening session of the expressions of interest that were received will be communicated to all bidders after the opening event.

ADDITIONAL INFORMATION ABOUT THE CONTRACT NOTICE

Establishment of a Geographic Information System (GIS) Cotonou-Benin

1. Nature of contract

Global price (lump sum contract)

2. Programme title

Improved Governance of the Energy sector in West Africa (AGoSE – AO)

3. Financing

11th EDF Regional Programme - EXTERNAL ACTIONS OF THE EUROPEAN UNION

4. Eligibility and rules of origin

Participation in tendering is open on equal terms to all natural and legal persons (participating either individually or in a grouping – consortium – of candidates/tenderers) which are established in one of the Member States of the European Union, ACP States or in a country or territory authorised by the ACP-EC Partnership Agreement under which the contract is financed (see also heading 'Legal basis' below). Participation is also open to international organisations.

5. Candidature

All eligible legal persons (Firm, as per item 4 above) or groupings of such persons (consortia) may apply.

A consortium may be a permanent, legally-established grouping or a grouping which has been constituted informally for a specific tender procedure. All partners of a consortium (i.e., the leader and all other partners) are jointly and severally liable to the contracting authority.

The participation of an ineligible natural or legal person will result in the automatic exclusion of that person. In particular, if that ineligible person belongs to a consortium, the whole consortium will be excluded.

6. Number of applications or tenders

No more than one application can be submitted by a legal persons.

7. Tender guarantee

No tender guarantee is required.

8. Performance guarantee

No performance guarantee required.

9. Information meeting and/or site visit

No information meeting is planned.

10. Tender validity

Tenders must remain valid for a period of 3 months after the deadline for submission of tenders. In exceptional circumstances, the contracting authority may, before the validity period expires, request that tenderers extend the validity of tenders for a specific period.

11. Shortlist alliances prohibited

Any tenders received from tenderers having a different composition than the ones mentioned in the short-listed application forms will be excluded from this restricted tender procedure, unless prior approval from the contracting authority has been obtained – see practical guide 2.6.3. Short-listed candidates may not form alliances or subcontract to each other for the contract in question.

12. Grounds for exclusion

Candidates or tenderers must submit a signed declaration, included in the application form or tender form, to the effect that they are not in any of the situations listed in Section 2.6.10.1. of the **practical guide (PRAG)**. Where the candidate or tenderer intends to rely on capacity providing entities or subcontractor(s), he/she must provide the same declaration signed by this/these entity(ies).

Candidates or tenderers included in the lists of EU restrictive measures (see Section 2.4. of the PRAG) at the moment of the award decision cannot be awarded the contract.

13. Sub-contracting

Sub-contracting is allowed.

14. Number of candidates to be short-listed

On the basis of the applications received, between 4 and 8 candidates will be invited to submit detailed tenders for this contract. If the number of eligible candidates meeting the selection criteria is less than the minimum of 4, the contracting authority may invite the candidates who satisfy the criteria to submit a tender. If the number of eligible candidates meeting the selection criteria is more than the maximum allowed, the contracting authority will rank them using the re-examination criteria stated below.

15. Provisional date of invitation to tender

October 2021

16. Provisional commencement date of the contract

December 2021

17. Period of implementation of tasks

6 months

SELECTION AND AWARD CRITERIA

18. Selection criteria

The following selection criteria will be applied to candidates (legal persons).

Consulting services are solicited from GIS Development Specialist experienced in design and implementation of GIS based management system for Power Systems.

Consulting firms should have experience to perform the consultancy services, experience of similar assignments, experience in similar conditions, firm's capability and financial soundness, and availability of appropriate skills among key staff, availability of resources, relevant transactional experience.

The WAPP invites eligible consulting firms ("Consultants") to express their interest in providing the Services. Interested Consultants must provide information indicating that they have the required qualifications and relevant experience to perform the Services. The preselection criteria are based on the general and specific experiences of the design office defined as follows:

- ✓ *Be a firm working in the field of development and management of GIS databases for at least 10*

years and having experience of at least ten (10) previous missions in the development of databases and Geographic Information Systems (GIS) in the field of infrastructures.

NB : The key personnel required for the completion of the assignment will not be evaluated at this stage.

19. Award criteria

Best price-quality ratio

APPLICATION AND TENDERING

20. Tender opening session

Applicants wishing to participate in the opening of applications received, which will be hosted online using Microsoft Teams, should send a request to the address below to *Mr Mouhamadou S. Diedhiou* via msdiedhiou@ecowapp.org no later than **September 9, 2021** and the link to join the virtual meeting will be communicated to them.

21. Applications format and details to be provided

Applications must be submitted using the standard application form, the format and instructions of which must be strictly observed. The application form is available from the following Internet address:

<https://ec.europa.eu/europeaid/prag/document.do?isAnnexes=true>

The application must be accompanied by a declaration on honour on exclusion and selection criteria using the template available from the following Internet address:

<https://ec.europa.eu/europeaid/prag/document.do?isAnnexes=true>

Any documentation (brochure, letter, etc.) sent with an application in addition to what has been requested will not be taken into consideration.

22. How applications may be submitted

*Proposals must be delivered by email only. Proposals will be sent no later than **September 13, 2021** at 10:00 local time in Cotonou to only the secure email address procurement@ecowapp.org*

Due to Covid19, submission of paper proposals is not permitted, and hard copy proposals will not be opened and evaluated.

The contract title and publication reference (see contract notice) must be clearly marked on the email containing the application and must always be mentioned in all subsequent correspondence with the contracting authority.

Applications submitted by any other means will not be considered.

By submitting an application candidate accept to receive notification of the outcome of the procedure by electronic means. Such notification shall be deemed to have been received on the date upon which the contracting authority sends it to the electronic address referred to in the application form.

23. Deadline for submission of applications

*The deadline for submission of applications is **September 13, 2021** at 10:00 local time in Cotonou.*

Any application sent to the contracting authority after this deadline will not be considered.

The contracting authority may, for reasons of administrative efficiency, reject any application submitted on time but received, for any reason beyond the contracting authority's control, after the effective date of approval of the short-list report, if accepting applications that were submitted on time but arrived late would considerably delay the evaluation procedure or jeopardise decisions already taken and notified.

24. Clarifications on the contract notice

Clarifications may be sought from the contracting authority at the following email address andorere@ecowapp.org Copy : otfajemirokun@ecowapp.org ; and msdiedhiou@ecowapp.org at the latest 21 days before the deadline for submission of applications stated at section **X of the contract notice (Time limit for submission of tender)**.

Clarifications will be published on www.ecowapp.org at the latest 5 days before the deadline for the submission of applications.

25. Alteration or withdrawal of applications

Applicants may alter or withdraw their applications by written notification prior to the deadline for submission of applications. No applications may be altered after this deadline.

Any such notification of alteration or withdrawal shall be prepared and submitted in accordance with **X of the contract notice**.

26. Language of the procedure

All written communications for this tender procedure and contract must be in English.

28. Legal basis

Annex IV to the Partnership Agreement between the members of the African, Caribbean and Pacific Group of States of the one part, and the European Community and its Member States, of the other part, signed in Cotonou on 23 June 2000 as amended in Luxembourg on 25 June 2005 and in Ouagadougou on 22 June 2010. Reference is made to Annex IV as revised by Decision 1/2014 of the ACP-EU Council of Ministers of 20 June 2014.

29. Additional information

Financial data to be provided by the candidate in the standard application form or the tenderer in the tender form must be expressed in EUR. If applicable, where a candidate refers to amounts originally expressed in a different currency, the conversion to EUR shall be made in accordance with the InforEuro exchange rate of the month and year corresponding to the deadline for submitting application, which can be found at the following address: <http://ec.europa.eu/budget/graphs/inforeuro.html>.