



UPDATED


Questions and Answers (30 questions)

**during the tender process for GIS hydropower resource
mapping for the ECOWAS region**

(Call for Proposal issued by the ECOWAS Centre For Renewable Energy and
Energy Efficiency - ECREEE)

Updated on 21th of July 2014

The project is supported by:

 Austrian
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ECREEE created the present Q&A document in order to answer relevant questions from all tender participants. The Q&A document will be updated regularly and sent to all tender participants. ECREEE accepts questions by tender participants till latest 18.7.14 (latest date of submission of proposals remains unchanged: 28.7.2014).

Question 1: Integration of data and layers into the ECOWREX-system

Does the CONTRACTOR only deliver data layers, which will then be implemented into the existing Web-GIS system by the developers of this system or is the Consultant also responsible for programming the extension of the ECOWREX-system and/or additional identification tools (e.g. generation of longitudinal sections)?

Answer from ECREEE: For the proposal the CONTRACTOR shall assume that the integration of data and layers will be done by ECREEE. The necessary data and file formats will be defined during a kick-off event between ECREEE and the CONTRACTOR. Furthermore the CONTRACTOR shall assume for the proposal that the graphs for Longitudinal Sections and Monthly Discharge Values (see D2b and D2c) will be delivered as static graphs (e.g. jpeg format or similar) which will be integrated and linked to ECOWREX website by ECREEE specialists. If reasonable ECREEE and the CONTRACTOR can agree on a different procedure during the kick-off event. However for the proposal pls. assume the above mentioned scope of works.

Question 2: Time Schedule

Is the CONTRACTOR free to suggest an own time schedule and date for handover of working results (see K1f)?

Answer from ECREEE: The CONTRACTOR shall suggest an ambitious but realistic time schedule for handover of working results (handover dates shall be given for the first river basin, for river basins 2-6, for further river basins up to 15 basins). The suggested time schedule shall show at least the dates as defined in K1f. ECREEEs expectations are the following:

- handover of working result for 1st river basin = $t_0 + 3$ months
- handover of working result for river basins 2-6 = $t_0 + 3.5$ months
- handover of working result for 1st river basin = $t_0 + 4$ months

ECREEE needs to correct a typing error in paragraph K1f. The correct formulation of the last sentence is: *“ECREEE plans to sign the contract in first half of July August 2014.”*

Question 3: Extra Costs for Digital Elevation Model with higher Accuracy

The wording in C1) and in M) pretends that ECREEE is willing and able to buy digital elevation models with higher accuracy. It can get very expensive for the given number of river basins under investigation. What is the intention and real plan of ECREEE?

Answer from ECREEE: ECREEE asked for the extra costs for Digital Elevation Model (DEM) with higher accuracy in order to use it for selected river basins which are especially attractive and which deserve more accurate investigation in a later project phase. For the proposal the CONTRACTOR is asked to find a solution which allows using a freely available elevation model or a combination of freely available models. The aim is to get the maximum of data accuracy and information content out of the models.

Question 4: Need for a Separate Web Design Expert

In K1b) web design expertise is requested. On page 7 (middle of the page) it is stated that the integration into the ECOWREX application will be done by ECREE. Is it correct that the CONTRACTOR delivers the technical input whereas web issues will be done by the ECREEE?

Answer from ECREEE: Yes, your understanding is correct. The integration of the delivered data into the ECOWREX website and layers will be done by ECREEE. We mentioned the web design/ GIS expert because we need to define suitable data and file formats for the integration to ECOWREX system. Actually the web-design and GIS expert shall be one and the same person. Your web design/ GIS expert shall also give recommendations how to display the data in best way and make suggestions for integration of the charts D2b and D2c.

Question 5: Need for a Separate Web Design Expert

In K2a)-2), a GIS and a hydrological expert are required. For that reason we also deem that mainly GIS and hydrology experts are necessary and web design expertise is less required. Please comment on that.

Answer from ECREEE: Only the hydrologist and the GIS expert are required. GIS expert shall give recommendations for the web design, how to display data and how to define format for data exchange. In that regard a close cooperation with ECREEEs ECOWREX experts is requested.

Question 6: Is a Hydrological Expert with Deep GIS Knowledge Sufficient?

K1b) and K2a)-2): Shall the GIS expert be a purely GIS expert (degree in GIS) or is a hydrological expert (PhD in hydrology) with deep GIS knowledge suitable as well?

Answer from ECREEE: Yes, we know this problem. In principle both ways are possible. However we would prefer to get one purely GIS expert and one hydrological expert on board. Our decision depends on the proposals which we will get from all participating companies.

Question 7: Climatic Zones for the 1st River Basin Only?

D1): Although the **ECOWAS region** is mentioned we assume that the climatic zone layer will only be developed for the 1st order river basin. Please confirm.

Answer from ECREEE: For your proposal, please assume that the climatic layer is a separate layer which will be developed only once. It shall show the climatic zones in the 15 ECOWAS countries (not only for one river basin, see presentation slide 4 of the Technical Specification).

Question 8: Estimation of Budget

Could you please provide a rough estimate of the budget foreseen?

Answer from ECREEE: No sorry, we can't provide such figure. However our estimated budget is prepared and available for the project.

Question 9: Availability of Gauge Station Data m3/s

We would like to know if in the projected rivers there are any gauging station with data in m3/s (with digital data collected every hour or day), for improved and adjust the final hydropower results obtained.

Answer from ECREEE: For the Volta river ECREEE will provide measured river flow data (m3/s). The data is coming from GRDC (WMO). It should be used for calibration of calculated flows as far as it is reasonable. (We don't know yet how the data was collected and which quality it has). There are gauge stations on the Volta river and ECREEE will try to get the best data which is available as input to the Consultants calculations / result calibrations.

Question 10: Business Travels

There are two optional business trips stipulated in the financial part. Apart from those are we expected to consider additional trips in our proposal?

Answer from ECREEE: All travels (including the optional travels) have to be well justified by you and approved by ECREEE.

At the moment we are only suggesting the inception meeting to be held together with ECREEE and the company.

Question 11: ECREEEs Project & Quality Manager

In case ECREEE nominates a quality assurance manager, can we assume that ECREEE will cover the arising expenses?

Answer from ECREEE: The selected company shall ensure its quality of the data and the quality of the modelling. On the other hand ECREEE will check the quality of the final deliverables.

Question 12: Number of Competing Companies

Can you tell us the number and names of companies who have been contacted?

Answer from ECREEE: We can't provide the names of competing companies. However ECREEE informs that several companies have been contacted by ECREEE and have received ECREEE's Terms of References. The tender documents were also published on the webpage of ECREEE.

Question 13: Preference for Regional Companies?

Does ECREEE have any preferences for companies coming from the region of West Africa or from the African continent?

Answer from ECREEE: ECREEE has no special preference for the location and provenance of the participating companies. ECREEEs criteria for the evaluation of the companies and their proposals are listed in paragraph K2).

Question 14: Hourly Rates for Additional Works

Is it allowed to submit a proposal based on hourly or daily rates?

Answer from ECREEE: No, ECREEE expects a proposal based on a lump sum. Any other form of proposal can't be considered and will be rejected. The Consultant however shall mention hourly and daily rates just for information about his calculation.

Question 15: Hydro Power Definitions

How many classification groups should be considered exactly? 5 or 6 classifications?

Answer from ECREEE: The Consultant shall consider four classification groups for capacities up to 30 MW (pico, micro, mini and small hydropower as defined in chapter A, page 3 of the ToR) and one capacity group for capacities above 30 MW (one classification group for medium up to 100 MW and large hydro power above 100 MW).

Question 16: Time Unit for the Criteria of Power Generation Potentials

To which time unit the criteria of power generation potential is referring?

Answer from ECREEE: The time unit is one year (average power generation per year).

Question 17: Country Reports

Is ECREEE expecting to get any country reports with the first order for the river basin Volta?

Answer from ECREEE: The country reports (mentioned in paragraph D4) shall be finalized after finalization of all 22 river basins. However when the power generation capacities are calculated for the first river basin (Volta basin), it shall be possible to calculate adequate potential power generation shares of single countries (Ghana, Burkina Faso, Togo, Benin, Cote d'Ivoire and Mali). Each river section shall be assigned to a country. For river sections which are crossing country borders a reasonable designation to countries should be found.

Question 18: Penalties for Late Deliveries

Does ECREEE plan to apply penalties for late deliveries?

Answer from ECREEE: An allowance would be given for unforeseen events beyond which ECREEE would apply penalties based on LIBOR rates applicable at the material time.

Question 19: Contractor support or guarantee for delays during the project development period, i.e. time overrun.

Does ECREEE plan to apply liquidated damages/ penalties for delays attributable to the CONTRACTOR?

Answer from ECREEE: For cost overrun, ECREEE can protect itself by entering into a “FIXED-PRICE TURNKEY” contract thereby shifting the responsibility of any additional cost to the contractor. Interest charge penalty can also be used for both time and cost overruns.

Question 20: Bidder Deposit, Insurance Coverage and Guarantees

How are ECREEEs requirements for bidder deposits, insurance coverages and bank guarantees?

Answer from ECREEE: The Contractor is required to provide bank guarantee/bond during the development period. This will be released as soon as the final product is delivered.

Question 21: Bank Guarantee/ Letter of Awareness

Does ECREEE ask for any bank guarantee or letter of awareness from the CONTRACTOR?

Answer from ECREEE: ECREEE would certainly request for a bank bond or guarantee during the development period to be released as soon as the project is delivered to specifications.

Question 22: Release of Payments

How is the procedure of ECREEE to release payments for the Consultant?

Answer from ECREEE: As per payment schedule specified in the contract.

Question 23: Release of Payments

How is the procedure to release payments? Who will be authorized at ECREEE to release payments?

Answer from ECREEE: It is based on schedule of payment of contract.

Question 24: Accuracy of Budgetary Offers for 2nd and 3rd order

What is ECREEEs expectation regarding the accuracy of the budgetary offers for 2nd and 3rd order?

Answer from ECREEE: The Contractor is expected to execute the contract within the limits of the budget agreed to by the parties. Over-expenditure should have prior approval of the beneficiary.

Question 25: Standard Contract provided by ECREEE

Can ECREEE provide a standard contract as example? Or shall the potential CONTRACTOR send a draft together with the proposal?

Answer from ECREEE: Yes, ECREEE can provide with a contract template if necessary. Since ECREEE has developed standard contract for consultancy services, grant contract, and other types of deliverables, based on international standards, ECREEE does not need to adopt models from contractors.

Question 26: Insurance for Liability and Indemnity

Which insurance coverage the CONTRACTOR should prove for the project?

Answer from ECREEE: Possible is a completion risk insurance cover to be provided by the Contractor and ECREEE to be mentioned as the beneficiary. This insurance policy will protect ECREEE from liquidated damages, injury/death, cost and time overruns, all of which usually occur during the project development period.

Question 27: Additional Services

Will ECREEE admit bill proposals for additional services if the project gets delayed for situations not attributable to the Contractor?

Answer from ECREEE: The both parties will in the beginning define the deadlines in an inception report. However, the deadline can be modified at a later stage. Extra costs cannot be accepted in this regards.

Question 28: VAT, Taxes.

Our financial proposal will exclude VAT and comprise all taxes and duties. We assume that we are exempted from all taxes in Cape Verde. Please confirm.

Answer from ECREEE: For the Proposal pls. assume that the company will include all taxes and duties for his home country. ECREEE as public institution is excluded from VAT and other taxes in Cape Verde.

Question 29: GIS data for Geodatabase

Does ECREEE agree with the suggestion to exchange GIS data in a format suitable for a file geodatabase (GDB)?

Answer from ECREEE: The format is OK provided it is compatible with the PostgreSQL/PostGIS database ECREEE uses, that is, if ECREEE does not need to install extra software to upload the data. In this case, the Contractor has to provide to ECREEE guidance on how to upload to a PostgreSQL/PostGIS database.

Question 30: Dynamic Charts

On dynamic approach for displaying of data and charts (see slide no. 8 of presentation in CfP): Can the data in the table be displayed dynamically as well as the charts?

Answer from ECREEE: ECREEE will be willing to receive such dynamic charts.

