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07.05.2014

CLARIFICATION NR: 2

Subject: Clarification Nr. 2 RFP dated 07 April 2014 with Ref UNDP-TUR-RFP-PROJ (EEB) 2014/02 for provision of "Renewable Energy Technologies Economic Analysis Tool (RET-EAT) Algorithm Development, Preparation of Tender File, Provision of Consultancy and Monitoring Services during RET-EAT Development" within the scope of PIMS3646:Promoting Energy Efficiency in Buildings in Turkey Project

Dear Sir/Madam,

Further to inquiries from prospective offerors, we hereby provide you with answers to questions to enable you to submit proposals in relation to our RFP dated 07.04.2014 with Ref: UNDP-TUR-RFP-PROJ(EEB)2014/02.

You are kindly requested to prepare your proposal with the consideration of the answers to questions, provided in this letter. Please submit your proposal latest by **17:30 on 19 May 2014** to the address stipulated in our solicitation documents.

Yours Sincerely

Matilda Dimovska
Deputy Resident Representative
UNDP Turkey

Attachment I: Questions and Answers (2 pages)

QUESTION 1:
Will RET-EAT be used for new buildings/developments only or will it also be used for existing buildings (i.e. retrofit)?

ANSWER 1:
RET-EAT will be used for both new buildings and existing building retrofit and renovation purposes.

QUESTION 2:
Will RET-EAT be used for a single building or for a development with multiple buildings?

ANSWER 2:
RET-EAT will be used for single buildings. However, large buildings such as airports, hospitals, schools, hotel complexes, apartment complexes shall be handled as long as they are treated as single buldings.

QUESTION 3:
What are the specific objectives of RET-EAT? At either end of the spectrum, it could be used to provide guidance on the RES + efficiency potential of the existing stock, or at the other end it could be used on specific new developments to determine what range of RES or efficiency measures are appropriate as site targets (like, London developments had a 20% RES target a little while ago and that had to be proved via some form of toolkit).

ANSWER 3:
RET-EAT will help building designers and future owners to analyse the best cost effective RES alternatives, energy mix and RES system bundling with optimal environmental benefits on a building by building basis.

QUESTION 4:
Will RET-EAT be used by national policy makers in addition to the site specific developers? Depending on this, what level of expertise and/or data will they be expected to have? This is very important for the "Method 1" version of the tool (in which the RET-EAT generates hourly building load data), because often the data requirements are large (to do these kinds of calculations) but the data availability is very limited.

ANSWER 4:
Yes. RET-EAT may be used by national policy makers in addition to the site specific developers. However, Method 1 shall use any compliant hourly data from other software. RET-EAT will not generate any hourly building load data. Therefore, no specific expertise is required.
This tool kit will simply use, process, and analyze imported hourly data.

QUESTION 5:
Do you see RET-EAT as an executable that can be sent out to people, or is this going to be web based? We have implemented tools in a variety of formats, from excel to web based; the advantage of the former is it is very quick to develop and upgrade, the advantage of the latter is it may have a nicer user interface.

ANSWER 5:
RET-EAT will be a web based system.

QUESTION 6:
How important is a user friendly interface?

ANSWER 6:
It is important to the extent that an able engineer may easily use it and understand it quickly.

QUESTION 7:
What provision is there for ongoing maintenance/improvements to the tool, which comprises the datasets, the calculations, and the interface (to inform Task 3.3)?

ANSWER 7:
The maintenance provisions shall be developed by the software developer to be contracted in Stage II of the RET-EAT Development works. It is not a part of this RFP.

QUESTION 8:
Is there a requirement to have RET-EAT use any form of "approved" calculation methodology (such as SBEM, or SAP equivalent) for Method 1?

ANSWER 8:

Yes. The hourly data content shall be suitable for RET-EAT. The hourly data provided into RET-EAT shall be generated by widely accepted software (such as Energy plus, etc).

QUESTION 9:
What are the optimization objectives? Minimizing CO_2 emissions, minimizing primary energy consumption, minimizing payback period, etc.

ANSWER 9:
This algorithm will not include a complete and comprehensive optimization methodology. However, there are objective functions to be defined and rated such as minimizing CO_2 emissions, minimizing primary energy consumption, minimizing payback period, etc. Each objective function might be chosen as a single objective function or as a weighted composite function where weights are to be defined by the user.