

## **Investing In Infrastructure (3i) Cambodia**

**Project number 2019-171 / 172**

**171 – RFP for Assessment of potential for behind-the-meter solar energy in Cambodia**

**172 – RFP for Assessment of potential for wind energy in Cambodia**

**Date: 31 January 2019**

### **ADDENDUM #1**

Purpose: this addendum has been released to respond to questions raised by prospective bidders. It aims to ensure that all potential bidders have the same information upon which they can lodge their proposals.

### **Questions submitted with 3i's responses:**

#### **1. What is the level and scope of the data collection exercise?**

3i expects that data will be available from MME, EdC and EAC for these exercises. 3i will support the process of data collection from these agencies and also provide support for access to relevant data from other government sources. Note however that access to data may be slow and/or limited and is a key risk of the project.

The consultant should demonstrate an ability to identify alternate sources of data, providing a methodology for working with and extrapolating results from a limited data set, and providing a scope for collecting sample data where required. See also response to Question 4.

#### **2. For the solar RFP, can you expand on the information that would be required to collect in Cambodia and what, if any information is already available?**

3i expects that the following information will be available:

- For MV/HV customers connected to the EDC network – customer data including location, installed capacity, consumption and for sample customers a detailed load profile
- For MV/HV customers connected to the network of REEs (private grid operators) – limited data available, the consultant will likely have to identify factory locations based on other sources of information.
- GIS files with details of the HV and MV network
  - Information on generation and demand at various points and data for further analysis of grid capacity and constraints will have to be requested through the ADB TA activity as detailed in the RFPs and below.

#### **3. For the component “analysis of potential issues with integrating wind into transmission grid”**

##### **a) Is this analysis to be based on existing studies and international experience or on modelling of the Cambodian network (eg, using Digsilent or equivalent software)?**

- The consultant is expected to conduct modelling of the Cambodian network and coordinate this with the ADB TA activity (see also response to Question 4 and the link to further information in Question 5).
- As per the RFP, the consultant should demonstrate ability to provide additional benchmarks based on international experience.

##### **b) If modelling is required, then this will need specific locations and project sizes to be defined for the wind farms to be modelled so as to be able to assess their impacts on the local network. If required, would identifying and defining these projects be the responsibility of the consultants, 3i or EDC and how many projects would need to be modelled?**

- The consultant is required to develop scenarios for development of wind energy (base, low, medium and high scenarios) for the period between now and 2030 based on the

available wind resource and ability to integrate this into the local network. The project size and locations for the scenarios should be optimally located with respect to wind resource, existing and future transmission network and load centers.

**c) If modelling is required, then access to EDC's network model (as used for their own load flow modelling) will be needed. Has EDC agreed to make this available to the consultant team? Is it known which software package EDC uses for network analysis (and, therefore, the format of the network model)?**

- Access to EDC data must be coordinated with the ADB TA activity, which will provide further information on software packages and format of the network model.

**4. How will the interaction with activities under the ADB TA activity be handled?**

The consultant will specify to the ADB TA what information is required from EdC, EAC etc. in order to complete the analysis. The ADB TA will then be responsible for providing this data to the consultant. The consultant will not engage directly with EdC, EAC and MME for this information.

Note that there may be delays in the implementation of the ADB TA activity and the consultant is required to design a process which provides flexibility to either (1) extend the time and scope of the engagement in the case of delays or (2) proceed with limited data sources.

**5. What are the details of the ADB TA activity which the consultant will interact with?**

The ADB TA activity falls under ADB project number 52096-001 as further detailed in this link. <https://www.adb.org/projects/52096-001/main#project-pds>

**6. Will JV proposals where 2 companies are performing the tasks be accepted?**

3i will accept proposals where two firms will undertake the work, however for contractual purposes 3i will need one party to be the responsible contracting party. 3i will not pay additional management fees associated with subcontracting or partners.

**7. Will it be possible to receive an extension of the timescale for delivery of the project?**

Please provide your comments on the proposed timeline for the project in the "comments to RFP" section of the response form.

**8. Can you provide an indication of the expected level of effort or budget for this assignment?**

3i is not able to provide any budget guidance for the RFP. 3i will undertake a value for money assessment which includes but is not solely based on price.

**9. Will it be possible to request an extension to the deadline for submitting proposals?**

No extensions to the deadline will be considered at this point in time. If an extension is granted in the future, it will be issued via an addendum.