



Bidders Conference Summary - Q&A

RFQ_008_2022 UN House Laos Solar System Expansion	11st of October 2022	Q&A
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Bidders' Conference Attendees:

Company Name
Sunlabob Renewable Energy Ltd.
UNIQTEK CO., LTD

Expectations from the Country Office

Country Office's expectations:

1. Increase resilience by providing a reliable energy source to the CO;
2. Reduce CO₂ emissions by minimizing generator up-time;
3. Showcase the solution to create a countrywide movement.



Figure 1. Potential Solar PV Installation



System operation

Regarding the operation of the system, at the moment the Country Office is connected to the electrical grid. Generator is of a model Cummins C110 D5 of 110kVA respectively. The vendor should ensure that the solar system does not back feed to the generator.

The expected operation for the system is to have PV as primary source, then grid, as per stated in RFQ_008_2022.

Q&A Session:

No.	Questions	Answers
	Inverter Related	
1	Is it acceptable to install the inverter outdoor ?	The best practice we suggest is to install the inverter indoors. And if the inverters have be installed outdoors we suggest the inverter should be covered, be shaded, and not exposed to the environment while should have an appropriate IP rating
2	Is there is appointed brand of inverter that we need to use?	No, we do not appoint a certain brand of inverter. On the other hand, considering the integration of the monitoring portal platform, usually different brands have different platforms and a different brand may make it complicated to integrate. We will communicate with the CO about this and send a reply.
	PV Installation Area	
3	Whether the area outside of the designated area showed to be used as installation area?	Technically yes, we do have a requirement of power requirement for the solar systems. While the vendor should design the system so that considering the shading can provide a high-performance factor. The detail of area can be settled in the second site visit.
	PV systems monitoring platform	
4	Regarding the monitoring platform, is it a mandatory that the expansion system have to be integrated to the same monitoring platform of the installed system?	No, it is not mandatory. While the CO tends to have an integrated platform, the CO can add an optional item to the price table allowing the vendor to specify the cost of integration. If a direct integration via API is not possible, we may require an additional meter installed on the existing PV system.
5	Could you clarify if the new monitoring system should also be able to monitor the existing solar system?	Yes the new monitoring system should also be able to monitor the existing solar system
	PV system working logic	



6	Is there a requirement that the new system have to be integrated to the installed system?	The new system should not affect the old system, the two systems are required to work in parallel. And there is no requirement to integrate the two systems.
7	Refer to 3.7.1.9 Maintenance of the system under Tasks and deliverables pg 41 of the RFQ, the maintenance is stated as UAT+42 months whereas under 3.6 Tasks and Responsibilities Table 13 3.6.1.5 Stabilization of the system ii, it is stated that the maintenance agreement starts after the stabilization period of 6 months. Could you please clarify if the maintenance period starts after UAT or after the stabilization period.	The maintenance agreement will start after the stabilization period of six months: From UAT to UAT + 6 months is the stabilization period and from UAT + 6 months to UAT + 42 months is the maintenance period.
2nd Site Visit		
8	The procedure should be the same as the 1 st Site Visit, the information of the visitors should be sent to the CO so that the the CO can make sure of the identity of the visitor and clear them form entering the site.	Agreed. Please follow the instructions given by the CO so the second visit can be conducted smoothly.
Grid & Generator		
9	Could you clarify if a grid Zero Export solution would be required for the system?	Considering there will be a Feed-in tariffs soon in Laos, a grid Zero Export solution is not required. From our end, we suggest that the inverter should allow grid exports, but it should also be available to set the export to zero.
10	Could you confirm if there is already an existing controller on the 110 kVA Cummins generator and if so the brand and model ?	Yes, the generator, 110 kVA Cummins, is activated by an ATS installed
11	We would like to know the size of wires from the main MDB at Technical room to the MDB at the second floor. We need to know the capacity of wires when adding solar into the system.	Information not available, to inspect at the site, UNHouse