GOVERNMENT OF TUVALU

# Tuvalu Energy Sector Development Project

**Design, Supply, and Installation of Solar PV Facility and Energy Storage System**

## CLARIFICATION No.4 to the RFB

Dear Bidders,

In response to questions received regarding the above tender, please find details of questions and answers below:

| Questions Received | Client's Response |
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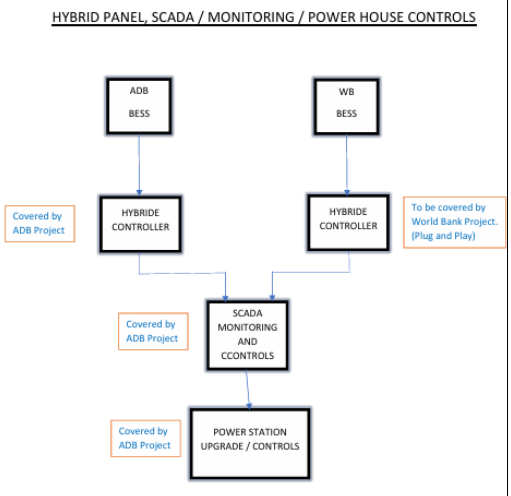
| 1. We request you to please consider changing the requirement in **Section III - Evaluation and Qualification Criteria, 4.2(a) Specific Experience.** We request that the requirement for 'Coastal installation locations' be removed from this clause. This requirement is very limiting, and its removal will mean wider participation in the tender process. | Please refer to Addendum 5 |
| 2. During our prebid meeting we are informed that scope of control system requirements will be modified. We request this be provided at the earliest. |  |

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| 3. Since this project was previously awarded to other contractor and it is retendered with reduced scope, hence we request you to provide the details of all the Engineering Drawings, Bill of Materials, Technical Specification and all the applicable Engineering Details from the previous contractor. | As attached. |
| 4. We have earlier requested for:<br><br>a. Please confirm whether the 11 KV RMU shown in SLD for BESS and PV System is part of the contractor scope of supply or it will be provided by TEC.<br>b. It is mentioned that PV production will be measured at the 11kV Side, Does TEC have any specification for 11kV Energy Meter? Will this be supplied by TEC?<br>c. It is mentioned that PV Modules and PV Module Mounting Structures are already supplied. Request you to provide us with the Module Mounting Structures Drawings, Footing Design Drawings and Total Number of Modules already supplied.<br>d. Is there any requirement for fencing for BESS? This is not mentioned in the tender documents.<br>e. There is mentioning of 'Battery Inverter', since TESLA Battery Pack is integrated system complete with Battery Charging and DC to AC Inverters. Please confirm is there any requirement of separate Battery Inverter are required.<br>f. There is mentioning of 'List of Item Supplied' from previous vendor, but in the link provided we could not find any specific list of items but we found only Technical literature and drawings. Please provide detailed list of items. | a) Yes, it will be part of the contractor scope of supply.<br>b) Unfortunately, TEC does not have any 11kV meter and will not supply by TEC.<br>c) The module mounting structures are S-Rack.<br>d) The BESS is installed in the TEC compound. The site for the installation of the BESS is near the Meteorological balloon shed. Need some protection from the site to the shed in case of fire.<br>e) No, there is no requirement to separate the inverters.<br>f) The materials supplied by the previous contractor – solar PV panels, the modules structures, TESLA Batteries and Aggregates. |
| 5. Please share with us the number and type of posts that are part of the solar panel structure with drawings (that has been supplied by the previous contractor already). This will help us determine the number and sizes of these foundation. You would appreciate that logistics will be a significant part of the costs for this project | The module mounting structures are S-Rack. Drawing as attached. |

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| as the aggregates, sand, cement and other components will have to be brought in from offshore. | |
| 6. We have completed the site visit yesterday as well. With this missing information, we request that the closing date be **extended by 4 weeks**. This time will allow us to receive the relevant information from your office and use it for our bidding purposes including obtaining prices from shipping companies for relevant shipment costs. | Please refer to Addendum 5. |
| 7. Control Requirements: | For the World Bank-funded project, please note the following amendment to control requirements:<br><br>A UPS is being supplied by the ADB project contractor only for the ComAp hybrid and master controller in the control room.<br><br>For the Tesla BESS, you will need a separate UPS and a ComAp hybrid panel. (Each BESS needs its own hybrid panel.)<br><br>The WB BESS will need its own ComAp hybrid panel and during detailed design I/O registers and interphase engineering will need to be done." |