



CLARIFICATIONS ---- 66-0001 : SUPPLY OF SOLAR ELECTRICITY EQUIPMENT --- MINI-GRID

1. Refer to Annex II Technical Specifications, System Configuration: Battery Capacity - Could you please confirm that the battery capacity should be of 10,000Ah (C20) at a voltage of 48V? It would mean in case of Lead-acid batteries, 4 banks of 48V 2500Ah in parallel.

Yes, this is the intended battery bank capacity. Potential suppliers can propose any configuration of battery bank, ie size of individual battery, qty of parallel strings, etc. To facilitate design and comparison the battery capacity specification will include a tolerance of -5%/+15%.

2. Refer to Annex II Technical Specifications, System Configuration: Customer to provide the following and should not be included in the quotation; AC electrical materials, conduit/screws/etc, battery rack and PV mounting structure. Please confirm if the bidder should quote OR not quote for these items. If bidder should provide quote, please specify the following:
 - further details & dimensions of the mounting structure
 - please provide indicative length or layout from the AC distribution box to the loads

No, the bidder should not quote those items. What would be required from the supplier prior to final contract signing would be an indicative layout of the array and battery bank(s) to allow for local fabrication to commence. This does not need to be included with the bid.

3. Refer to Annex II Technical Specifications, System Configuration: System must allow for integration with an existing 36kVA generator. Please confirm that the integration of the generator and the cables, protections and other materials required for integration are part of the scope of supply of this tender. If so, please indicate the required cable size and length as well as the maximum expected current.

As stated all AC electrical materials will be provided by the customer. The intent of this portion of the specification is to ensure that the bidder provides equipment that can operate with a generator, to allow the bidder to make necessary design adjustments to work with such a relatively small generator and to allow the bidder to include any specialty equipment that may be required.

4. Do you have this tender in word or Excel? It would be easier for us to fill out.
Yes, we have it in word and it has been included as an attachment.

5. Do you know/have the relative distances between the PV array, charge controllers, and/or inverters?

The control room has not been built and will be positioned as close to the array as possible, bidders can assume the maximum distance is 30m but specific distances will depend on the array layout. All of the inverters, charge controllers, batteries, etc will be located within or adjacent to the same control room.