QUESTIONS AND ANSWERS REPORT

To:	Bidders
From:	UNDP Lebanon
Subject:	**Invitation to Bid: Supply and Installation of Hybrid Photovoltaic- Diesel Power Plants at Six Facilities in Lebanon**
Reference:	**LEB/CO ITB/121/17**
Date:	02 Aug 2017

UNDP Lebanon Procurement Unit has received several questions regarding the subject Tendering Procedure. All questions received to-date are documented below with respective answers.

Questions and Answers		
1.	**Q.**	It is required in data sheet 27 that the bidder should provide track record of projects in Lebanon; however, if the company did not implement any similar projects in Lebanon, but implemented such projects in other countries. Will this lead to disqualification of the company?
	A.	**Answer:** As per the ITB requirements, bidders shall submit proof of successful implementation of a minimum no. of 2 Hybrid Solar PV/ Diesel projects undertaken over the past 3 years of a minimum capacity of 70 kWp each, completed in Lebanon, for implementing local entity.
2.	**Q.**	Do you have any requirements concerning the grid connection standard?
	A.	**Answer:** The grid connections shall follow international regulations and common engineering practices. Also, kindly refer to the interconnection to the grid section in the ITB
3.	**Q.**	It is mentioned in the SLD that 2x 20kW on-Grid inverters are needed while in the technical specifications, the inverters sizes are required to be bigger than 40 kW. Is it possible to use one inverter suitable for 45 kWp or to use 2x 20kW as per the suggested design?

	A.	**Answer:** In the ITB technical specifications, it is mentioned that the inverters' size is either equal or greater than 40 kW, thus, a 2 x 20 kW is acceptable, just as a larger capacity is acceptable
4.	**Q.**	What is the allowable DC/AC ratio?
	A.	**Answer:** As a general rule, 1.1 is the allowable ratio, except for PVLB 1.1.2. As mentioned in the ITB, the drawings are only a template and the winning bidder is requested to submit a detailed design as part of deliverable 1. Bidders can submit different designs and configurations as long as the minimum capacity for the PV and inverter is as requested in the ITB
5.	**Q.**	Would you please confirm that the required C rate for the 170 kWh Battery bank is C6.
	A.	**Answer:** The required C rate for the batteries is C10