

## Amendment No. 1

Ref. UNDP-SYR-ITB-065-17

Subject: Supply and installation of solar lighting system in Hama, Misyaf, and Tartous

Issued on 18 April 2017

UNDP is answering the clarifications received as in the following:

- The protection box of the batteries, where it should be installed! on the ground or higher ! and in this case how far the high should be?

It shall be installed on the ground fixed to both the pole (welded) and the concrete base with screws.

- How many Led lamp should be installed on the lighting pole ?

This is specified in the tender book. Some poles have 1 LED street light and others have two depending on the road.

- in the invitation letter to bid you have mention :

(نراع حامل بطول 1.2 m-1.5m ومقطع الحامل متوافق مع الأعمدة المراد التركيب عليها مع امكانية الفك والتركيب والاستبدال)

Is this extension arm already there on the pole or we have to supply and install it?

This arm does not exist and has to be supplied by the contractor.

-In the invitation letter to bid you have mention that:

الشاحن يجب أن يكون من نوع SMA أو Victron أو ما يعادلها من وثائق الفحص الخاصة به

ما المقصود بوثائق الفحص المعادلة!-

**The MPPT controller shall be made by a well know manufacturer who is ISO certified. Any additional test certificates for the controller are a plus.**

- Regarding the installation sites of the solar lighting systems and excavation works, the responsible technical committee will check the sites with the awarded contractor to verify the possibility of the installation of all systems. In case it is agreed that the site is not suitable for installation, the technical committee has the right to change the location of installation in order to complete the project according to the objectives of the project.
- The requested charging controller is 24VDC 20 A and not 30 A.
- Offerors are requested to mention the number of charging/discharging cycles at 30% DOD for the Gel batteries offered. 3000 cycles at 30% DOD is a theoretical value, and usually ranges between 1500 to 3000 cycles depending on the manufacturer. Higher values are preferred.

- All offers have to be submitted according to the requested specifications in the ITB, any modifications and additional specs, will be mentioned in this amendment.

- بالنسبة لمتحكم الشحن فالمطلوب هو 20 أمبير وليس 30 أمبير.
- على العارضين ذكر عدد مرات الشحن والتفريغ، الممكنة لبطاريات الجل المقدمة من قبلهم. 3000 مرة من الشحن والتفريغ هي قيمة نظرية عند 30% من التفريغ وعادة تتراوح ما بين 1500 إلى 3000 مرة شحن وتفريغ، والقيم العالية لهذه النسب هي المفضلة.
- على جميع العروض أن تكون مقدمة حسب المواصفات المذكورة في دفتر الشروط وفي حال وجود أي إضافة أو تعديل في المواصفات سيتم ذكرها ضمن مذكرة التعديل هذه.