**UNDP- ETH-00014: Supply and Installation of Solar PV Systems and Appliances for Selected Demonstration Sites in Ethiopia**

**Clarification: No 4.**

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| **SN** | **Query** | **Answers/ clarification** |
| **1** | Is the 4th project connected to a road accessible by a truck? | Yes, it is. |
| **2** | Considering that the lead acid batteries should be maintained in a closed and ventilated space, for the first 3 projects, do you have places to put the battery? And if not, do we have to build them? | Termination point, inverter and battery location is on the ground or a selected room and the exactly position should be set down when installing on the spot. Selected rooms will be avail. |
| **3** | In addition, to my first questions about the technical specification, I would like to know if the 3 first sites are recorded to any Fuel/Diesel generator? | The installation should be made according to the specifications provided in the TOR.  Newase Primary and Junior Secondary School has a small diesel generator to power some of the appliances (some of the computers were used to write exams during exam time), but the existing wiring for these appliances is in poor condition. The Kara Primary School and Semire Primary School in Harari region are not recorded to any Fuel/Diesel generator. |
| **4** | Does the school for the first project is already electrified or not? If not, do we have to install the electric system? | This is an off-grid project. The installation should be made according to the specifications provided in the TOR. |
| **5** | It's understood that the schools for the second and third project are not electrified, can you confirm me that we have to install them an electricity system | This is an off-grid project. The installation should be made according to the specifications provided in the TOR. |
| **6** | Also, for the 4th project, how high in total and how deep on the ground the pump has to be? | The well depth is around 164m. |
| **7** | Is there any late penalty if we don't deliver the material on time, and if yes, what is the process? | Response: In our bid, we have indicated the liquidity damage for delay and other related issues. You will find this clause under our Requirements Section 1 with sub section 1.2: There is an attachment called bid data sheet, which helps you to understand this clause. |
| **8** | Could you confirm the roofs of the two schools (Harari Education (Kara School) and Harari Education (Semire School) made of concrete structure or a layer of colored steel? | Roof is corrugated iron, not concrete. |
| **9** | If there is any obstacle on the roof, please confirm and provide the picture of the roof. | There is no obstacle on the roof. Please refer to the roof plan in the TOR for more details. |
| **10** | Could you confirm System water pump of the Amhara water irrigation is Surface one or deep submersible one? | The well depth is around 164m. |
| **11** | According to the site photos and tender document description, the well has been fitted with a 75KW deep submersible pump. | Please follow the technical specifications provided in Site 4 for installation |
| **12** | The photo of "Term of reference" shows that the above-ground pipeline has been installed. So has the deep submersible pump been installed? | Please follow the technical specifications provided in Site 4 for installation |
| **13** | Could you please provide the diameter of the wellhead and will be need provide another pump? | Well diameter is 12 inches. The solar pump needs to be installed according to ToR. |
| **14** | Could you provide the orientation of the roof installation of two schools (Harari Education (Kara School) and Harari Education (Semire School)? | The roofs are able to carry the solar PV systems based on the bid document and the orientation depends on the GPS reading on the site. |