

28 November 2020

Bid Bulletin No. 2

ITB 369/20 Location1: Supply and Install of Solar System for (8) Agricultural Wells in in Qayrawan and Location2: Supply and Install of Solar System for (8) Agricultural Wells in Sinjar

UNDP response to Request for clarifications

Question1- Item 1.3 / Fully Solar stand(KIT OF 6 PANELS EACH):-(mechanical)

According to our analysis, the dimensions of the solar panels for each one are 1950*990mm, and panels platform dimensions is L 3 * W 4 m. In this way, we can not fit the solar panels in the stand since we need the platform dimensions to be 2*6 m. please advice.

Answer1:

There are no dimensions given in the term of platform, anyhow the panels could be arranged in landscape (which means the platform is 6m x 2 m) (preferable as less height, less resistance to winds, shorter shades on the next row), or in portrait (means: platform is 3m x 4m) (not preferable), The number of rows and arrays will be decided in the field according to the facts on the site.

Question2- Item 1.2/Solar Inverter

Part B- Is this for three phase motor? Please explain.

Answer2:

Yes, the motor is three phase, refer to the compliance sheet in the documentation of the project.

Question3- Item 1.1 / 340 W Monocrysta line Solar Panel

Can you please explain the type of installing the solar panel? Should it be fixed? Or you want it to have orientational (Moving with sunlight direction during daytime)?

Answer3:

The panels are fixed, i.e. (No SERVO MECHANISM for tracking the sunlight), the platform is articulated to allow adjusting the angle of inclination of the panels with the stand, the angle is 30 degrees in our case.

Question4- BOQ - 1.2 Inverter (for Pump)

Can you please explain about the word "frequency drive" ? Do you mean that the inverter should have variable frequency. Because all inverters can produce AC output with fixed frequency (50-60)

If you want it be variable control for motor, it should be added an extra drive.

Answer 4:

Yes, the controller should have a variable frequency drive (VFD), it is essential.

Signed :



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