

PROJECT: SOLAR PV POWER SYSTEM AT MAIN BUILDING (RE-ADVERTISEMENT)

WRITTEN QUERIES:

ITEM NO.	Query/Clarifications	TWG/BAC Reply		
1	<p>Kindly clarify that minimum 260kWp (kilo-watt-peak) refers to the DC Capacity which is the number of panels multiplied by its rating (for example; 578 pcs of 455Wp panels equal 262,990 Wp = 262.99 kWp) which satisfies the 260kWp PV systems minimum project requirement.</p> <p>Note that as per our understanding: kW is the unit of the PV system's rated power at AC while kWp is the unit of the PV system's rated power at DC. Please clarify.</p> <table border="1" data-bbox="354 1203 808 1330"> <tr> <td data-bbox="354 1203 581 1330">4</td> <td data-bbox="581 1203 808 1330"> <p>May we clarify the required system capacity and output. It's a bit confusing if we're using 260kWp this means this is DC not AC. The 260kWp (minimum requirement) is this your required "system capacity" or "power output" as per the Bid Documents/TOR. If it is the power output what is the AC/DC ratio? If we</p> </td> </tr> </table> <p><small>Req Bulletin No.1 dated 13 FEBRUARY 2024 Page 3 of 4</small></p>	4	<p>May we clarify the required system capacity and output. It's a bit confusing if we're using 260kWp this means this is DC not AC. The 260kWp (minimum requirement) is this your required "system capacity" or "power output" as per the Bid Documents/TOR. If it is the power output what is the AC/DC ratio? If we</p>	<p>This refers to the 260kWp measures of real power that the system can produce. This will be measured through an actual portable kWh meter device or any equivalent power meter or with the built-in metering system of this project. The solar PV system demand in real power or 260kW must be attained and shown in the built-in metering system's desktop. The preferable time to measure with the kWh-meter device will be during noon or during the peak time where all the solar panels are exposed to solar irradiation to attain the maximum/ peak harnessing of solar energy from the sun.</p> <p>The number of solar panels must be adjusted to attain the desired maximum peak or 260kW real power of the proposed solar PV system.</p> <p>Meaning, the higher the solar PV panel efficiency the lesser number of panels will be needed to meet the desired maximum output at ultimate peak time.</p>
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