

**BYELAWS FOR INSTALLING SOLAR ENERGY PANELS**  
**(Updated on 01 Dec 2023)**

1. Solar Systems be procured / installed by vendors approved / authorized by Alternate Energy Development Board (AEDB) and DHA Lahore. Complete proposal for installation of Solar System be submitted to Authority for the Scrutiny / approval. The proposal must include: -
  - a. Detail design for installation of Solar System.
  - b. Solar Panels should be installed on the rooftop by restricting the height of structure i.e. lower edge at max up to 5 feet and the upper edge at max up to 10 feet.
  - c. Inverters and Solar Panels must be of Tier 1 system.
2. Mumtee and OHWT space will not be used for installation of Solar Panels without prior permission from the authority, for which separate parameters would be spelt out as per site conditions / neighborhood on case to case basis. Generally, in such cases lower edge will be at max of 2 inches in height and upper edge at max 10 feet and 2 inches.
3. A certificate regarding wind / storm velocity and seamless integration of solar panels will be rendered by vendor:-

|                         |   |               |
|-------------------------|---|---------------|
| a. Standard Structure   | - | 100 mph       |
| b. Customized Structure | - | 125 - 140 mph |
| c. AC / DC Earthing     | - | Mandatory     |
| d. Lightening Arrester  | - | Mandatory     |
4. Capacity of Solar System and sanctioned electric load of the building must be in line with rules of NEPRA and concerned DISCO (LESCO & DHA EME). Following is also mandatory to be ensured: -
  - a. No permanent structure is allowed for installation of the solar system.
  - b. Structure must be grounded with the roof by stainless steel anchor only.
  - c. To avoid any seepage / leakage in roof, water proofing be ensured.
  - d. Concrete footing should be designed and constructed for strengthening the Structural Steel Columns.