



No. 1(2)/82-DUAC

October 07, 2025

MEMORANDUM

Sub: Proposal for the Integration of solar panel installations, including its structural arrangement into the design scheme-Regd.

The above matter was considered by the Commission at its 1834th meeting held on September 25, 2025 in which the Commission observed as follows:-

- a. To address the challenge of global warming, reduce the country's overall carbon footprint, improve the energy security of the country, and the energy independence and resilience of the NCR, the Government of India has been actively promoting the installation of solar panels on buildings and complexes. Incorporating solar panels into building design can significantly lower dependence on non-renewable energy sources while contributing to the city's energy supply through grid sharing.
- b. The Commission has observed that many proposals submitted during the formal stage often include solar panels proposal for installation on terraces – but with scant attention to the support structure elegance – and usually with design configurations that block useable terrace space as well as hamper east movement.
- c. The Commission emphasizes that solar panel installations should be integrated into the design scheme from the beginning, ensuring they are treated as an essential architectural elements rather than an afterthought. As per Clause 10.1, chapter 10, Unified building bye laws 2016:

“...provisions for green buildings are applicable on all plots more than 105 sq. m in size...”

Thus, it is advisable to establish a clear story structure with solar panels mounted above the buildings, providing an appropriate height and width, (subject to permissibility as per Unified building bye-laws 2016) to allow for more extensive panel coverage within building envelope.

- d) This approach allows for increased energy production, as panels can extend to the building footprint (within boundary envelope) as per feasibility, while maintaining proper clearance. It also makes maintenance easier, reduces heat gain with shading, and most importantly, improves the overall appearance by integrating the panels into a well-designed structural system.

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- d. Thus, to ensure a comprehensive and well-coordinated design, the Commission has decided that projects submitted for formal approval are strongly suggested to include integrated solar panel provisions at the design stage to ensure it provides protection to equipment's at the roof while making the floor space accessible. The submission should consist of details such as the structural design, overall dimensions, mounting and fixing methods, and the screening mechanism as part of the overall architectural proposal.
- e) Designers should also consider using facades of buildings for photovoltaic panels as a substitute for other cladding materials, with solutions for easy replacement.

भवदीया,

(रुबी कौशल)

Ruby Kaushal
सचिव/Secretary

