

Published on 20<sup>th</sup> of Every Month RNI Reg. No. DELENG/2013/50273 Postal Reg No. DL(S)-17/3436/2022-24  
Posted on 21<sup>st</sup>-22<sup>nd</sup> of Every Month at Lodi Road HPD, ND-03, Licenced to post without pre-payment No. U(S)-47/2023-24

18<sup>th</sup> Anniversary

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# MGS Modern Green Structures & Architecture

+ Building Products

An NBM Media Group Publication ■ April 2023 ■ Vol. 11 Issue 01 ■ Publishing Since 2005 ■ Total Pages 100 Including Cover



## Accelerating A Sustainable Future





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“It is critical that we adopt environmentally sustainable practices or else construction will become increasingly untenable in the future.”

As our country's population continues to expand, we must address the challenge of accommodating this growth. However, this need for development comes at a cost to our environment, particularly within the construction industry, which is known for being the top polluting sector. We must therefore prioritize green solutions to ensure long-term viability in the construction industry while protecting our environment.

In terms of savings, sustainable projects offer a multitude of benefits: firstly, by properly orienting a building and using appropriate materials, we can reduce energy usage by ensuring adequate ventilation and minimizing the need for excessive air conditioning.

Moreover, sustainable building practices can be financially advantageous. The government often provides grants and incentives to those who prioritize sustainable construction, such as additional FSI benefits for developers constructing green buildings. Effective communication and collaboration between architects and developers from the initial design phase to the final construction stage, is key to ensuring that the project meets the desired specifications and is completed on time and within budget.

At Pentaspace, we incorporate solar panels in all our projects to harness clean energy; we use fly ash bricks, and in our commercial projects, we prioritize use of appropriate glass specifications. At the outset of the design phase, we prioritize proper orientation of the building to minimize energy consumption. This involves a thorough site analysis to identify factors such as sun path and wind direction which inform our design decisions.



