

“EVEN INDUSTRIES CAN BE GREEN!”



Environmental appropriateness was an integral part of the brief. Eco aspects considered include the reduction in consumption of energy through passive solar design, water management and solid waste management.

To address the energy efficiency, natural ventilation in all directions is provided with the factory devoid of any door or windows. Bare galvalume sheets on top of the roof reflect up to 65% of solar radiation. Trees shade the roof, resulting in a completely naturally ventilated and daylight production space.

Working towards sustainability, keeping maintenance in mind, the columns are form finished concrete and parapet wall is made of naturally available granite stone. Further economy and ease of maintenance is achieved by the elimination of doors and windows, side cladding, plastering, painting, gutters and downpipes.

Water treatment plant with integrated water collection pits and land-wells increase the ground water levels within the 10,000 SQM campus, resulting in complete water recycling and water management.

To check the solid waste management, an in-house microbe-sewage treatment plant for food waste, domestic and factory waste collection and treatment well within the premises of the factory.



The Showcase

Anand & Associates have taken the ‘green’ step forward, by aligning an array of their projects towards being eco-friendly and cost-effective. Environmental sustainability and appropriate design are must-haves in the firm’s projects.

Ar. Anand VM, the principal architect at Anand & Associates shares, “Even industries can be green. When it comes to making such industrial spaces eco-rational, it is vital to address the resource management aspect for a large-scale project as that of a manufacturing unit.”

The Project:

The firm gradually moved onto applying eco principles across different building types, ranging from residential to industrial. The firm’s design of a manufacturing unit on the outskirts of Chennai deserves a mention.



11



Ar. Anand VM