Expansion & Modification of Terminal Building at Jammu Airport

The following strategies were adopted to reduce the building impact on the natural environment:

**Site Parameters:**
- Dedicated parking provided for electric vehicles
- 38% of the total site area has been shaded to reduce the urban heat island effect through the use of soft paving, trees and solar panels.

**Energy:**
- Solar photovoltaic system of 300 kWp installed to generate annual energy of 4,33,469 kWh/annum.

**Water Efficiency:**
- Building water consumption reduced from 33,551.67 kL/annum to 13,321.98 kL/annum
- Landscape water consumption reduced from 2,260kL/annum to 7,385kL/annum.
- Soil-biotechnology technology based STP of 200 kLD installed in the project.

**Universal Accessibility & Environmental Awareness**
- Provision of ramps, lifts with braille, dedicated parking and toilets for differently abled.
- Tree plantation drive conducted on World Environment Day.
- Display of environmental awareness posters in common areas.

<table>
<thead>
<tr>
<th>Total energy offset by renewables</th>
<th>Total reduction in building water demand</th>
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<tbody>
<tr>
<td>14%</td>
<td>60.29%</td>
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**TOTAL CARBON OFFSET BY THE PROJECT:**
By planting native saplings & preserving existing trees: 6.82 ton/year