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

**Sustainable Site Planning:**
- Air pollution control measures such as site barricading, water sprinkling on fine construction materials and other appropriate measures were strictly adhered to during construction.
- Existing mature trees on site were preserved and 92 new trees were planted.

**Water Management:**
- Reduction of 52.84% from the GRIHA base case has been demonstrated in the building water demand by installing efficient low-flow fixtures.
- Reduction of 53.43% from the GRIHA base case has been demonstrated in the landscape water demand by installing efficient irrigation systems.
- Gunny bags were used for curing of columns and ponding technique was used for curing of slabs.

**Energy Optimization and Occupant Comfort:**
- For achieving visual comfort:
  - 97.90% of the regularly occupied spaces are day-lit and meet the daylight factor as prescribed by NBC 2005.
  - Digital timer has been provided for 100% of the outdoor lighting system.
- For achieving thermal comfort:
  - EPI reduction of 43.12% from the GRIHA base case has been demonstrated through the integration of high performance systems.

**Renewable Energy Technology installed on site:**
- Solar photovoltaic system of capacity 80 kWp has been installed.

**Sustainable Building Materials:**
- Pozzolana Portland cement with 33.98% fly-ash content by weight has been used in plaster and masonry mortar.
- Vitrified tiles, granite, kota stone, carpet flooring and ceramic tiles have been used as flooring materials in the project.
- 100% of the materials used for internal doors, windows and frames are low energy.

**Waste Management:**
- Multi-colored bins have been provided for segregation of dry & wet waste.
- Central waste collection area has been provided for storage of segregated waste on site.
- Organic waste converter of capacity 350kg/day has been installed on site to treat bio-degradable waste.

### Integrated Design Team:

<table>
<thead>
<tr>
<th>Role</th>
<th>Entity</th>
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</thead>
<tbody>
<tr>
<td>Client</td>
<td>Advance India Projects Limited</td>
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<tr>
<td>Principal Architect</td>
<td>Design Forum International</td>
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<tr>
<td>Landscape Architect</td>
<td>Design Accord Landscape Architecture</td>
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<td>Interiors Industrial Design</td>
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<tr>
<td>Structural Consultant</td>
<td>Mehro Consultants</td>
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<tr>
<td>Electrical Consultant</td>
<td>Electrical Consulting Engineers</td>
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<tr>
<td>Green Building Design and Certification</td>
<td>GreenTree Building Energy Pvt. Ltd.</td>
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