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

**Sustainable Site Planning:**
- Air pollution control measures such as site barricading, wheel washing facility and other appropriate measures were strictly adhered to during construction.
- Out of 19 existing mature trees, 16 trees were cut and 124 new trees were planted.
- 596.8 m³ top soil was preserved within the site and was reused for landscaping.

**Water Management:**
- Reduction of 55% from the GRIHA base case has been demonstrated in the building water demand by installing water efficient fixtures.
- Reduction of 72.89% from the GRIHA base case has been demonstrated in the landscape water demand.
- Hessian cloth was used for curing of columns and ponding technique was used for curing of slabs.

**Energy Optimization and Occupant Comfort:**
- For achieving visual comfort:
  - 44.41% of the regularly occupied spaces are day-lit and meet the daylight factor as prescribed by NBC Code 2005.
  - Astronomical timer control has been provided for 100% of the outdoor lighting system.
- For achieving thermal comfort:
  - EPI reduction of 68.6% 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:**
- Fly ash bricks have been used for walling in the project.
- Kota stone, granite and vitrified tiles have been used as flooring materials in the project.

**Waste Management:**
- Multi-colored bins have been provided segregation of dry and wet waste.
- Waste collection area has been provided has been provided for storage of segregated waste on site.

**Integrated Design Team:**
**Client** : M/s. U N Mehta Institute of Cardiology & Research Center
**Principal Architect** : M/s Helix Healthcare Architecture
**Landscape Architect** : M/s Helix Healthcare Architecture
**Structural Consultant** : Peekay Structural Consultant
**Electrical Consultant** : ACROBAT ENGINEERS PVT. LTD.
**Green Building Design and Certification** : GODREJ & BOYCE MFG. CO. LTD