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

**Sustainable Site Planning:**
- Out of 114 existing mature trees, 74 trees were cut and 950 new trees were transplanted.
- Air pollution control measures such as site barricading, coverage of dusty material and other appropriate measures were strictly adhered to during construction.
- 736 m³ of top soil was reused in landscaping and the remaining has been stored for future use.

**Water Management:**
- Reduction of 62.32% from the GRIHA base case has been demonstrated in building water demand by installing water efficient fixtures.
- Reduction of 54% from the GRIHA base case has been demonstrated in the landscape water demand.
- Gunny bags/hessian cloth was used for curing of columns and ponding technique was used for curing of slabs.

**Energy Optimization**
- For achieving visual comfort:
  - 51.25% of the habitable spaces in the building are day lit and meet the daylight factors as prescribed by NBC 2005.
  - The lux level of interior lighting is designed as per NBC 2005.
- EPI reduction of 64% from GRIHA benchmark has been demonstrated.

**Renewable Energy Technology installed on site:**
- Solar Photovoltaic system of capacity 15 kWp is installed on-site.

**Sustainable Building Materials:**
- More than 15% of the cement is substituted with fly ash by weight for structural concrete application.
- 87% of the total materials used in the building for false ceiling, internal partitions and in-built furniture are low-energy.
- Granite and vitrified tiles were used as a flooring material in the building.

**Integrated Design Team:**
- **Client**: Dr. K C Premarajan
- **Project Coordinator**: Dr. Rajkumar S (L&T Construction)
- **Principal Architect**: Mr. S. Krishnamoorthy, EDRC, L&T Constructions
- **Landscape Architect**: Mr. Arun KH, EDRC, L&T Constructions
- **Structural Consultant**: Dr. Justin S., EDRC, L&T Constructions
- **Electrical Consultant**: Mr. Ramesh Ramasubramanian, EDRC, L&T Construction
- **Planning Manager**: Mr. G. Tamilarasan
- **Green Building Design and Certification**: Mr. Ebenezer G.R