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

**Sustainable Site Planning:**
- 51 numbers of native or naturalised species of trees were planted along the periphery of the site to enhance biodiversity.

**Water management:**
- 34% of building water demand has been reduced against the GRIHA baseline by using measures such as installation of low flow plumbing fixtures.
- 75% of water savings was achieved in landscape water requirement due to installation of drip irrigation system.

**Energy Optimization:**
- For achieving visual comfort:
  - Facades with WWR 14.39% were built with a good visual connection between the occupants and the outside environment.
  - More than 85% of the habitable spaces in the building are day lit and meet the daylight factors as prescribed by the National Building Code of India.
  - Light wells were provided to facilitate adequate lighting in long and narrow passages.
- For achieving thermal comfort:
  - Double walls were constructed to reduce U-value and achieve better thermal comfort.
  - Recessed windows were provided for good shading of glazed surface.
  - The energy efficient measures incorporated in the project helped the project achieve 84.5% reduction in EPI from the GRIHA benchmark EPI.

**Renewable energy technologies installed on site:**
- Solar hot water system has been installed to offset 96% of the conventional energy demand for hot water, thus reducing the consumption of energy generated from non-renewable sources.
- The project has installed 3 kWp capacity of solar PV panels which caters to the common area lighting requirement of the building.

**Sustainable building materials:**
- Fly-ash bricks with minimum 70.89% fly-ash content were used for 100% of total volume of bricks.
- PPC with 30% fly-ash content by weight was used in plaster and masonry mortar of the project.

**Integrated Design Team:**
- Client: Sanjeevani Developers
- Principal Architect: Sole Space, Pune
- Structural Consultant: J+W Consultants LLP, Pune
- Electrical Consultant: Federal Engineering Works, Pune
- Plumbing Consultant: Aqua Product and Service Pvt. Ltd., Pune
- Green Building Design and Certification: VK:e Environmental LLP