



## GREEN WALL & GREEN ROOF SYSTEM – ELT INDIA

ELT India Enterprise has been formed to give India innovative products like living walls and sustainable lightweight roof garden systems.

This new venture is owned by Pradeep Barpande who has been working in the field of horticulture since 1987. His contributions include softscape, large tree transplantations, nursery & environment friendly green engineering which are well appreciated by India's renowned architects and clients.

After studying Indian climatic conditions ELT has selected the most sustainable material. The company's green wall is manufactured out of 100 percent recyclable PPCP or Hypoline polymers, which have the specialty of being weather proof even along seashore where aluminum and other metals can get corroded very quickly. Similarly, India is the country where it has varied climates. Root zone temperature is one of the most important factors that decides the plant growth. ELT uses heat resistant material and sustainability is the top priority for the company. The company's green walls have already successfully sustained climates from 0.2 degree Celsius in New Delhi on 9 Jan 2010 early morning and the maximum almost 44.5 degree Celsius onsite maximum temperature on 17 April 2010.

ELT provides standard panels of size 30 cm x 30 cm x 10 cm. Since the panel is single member without joint and also of optimum size, it rarely requires to be in custom made sizes. Since the size is standard, all the benefits of standardisation are available. Panels can also be made custom made. Only edge details are required to be designed and

manufactured as per the need of site conditions using different materials like Powder coated materials, S.S., fibre glass, wood or stone.

ELT advocates and suggests the 100 cm depth, after considering load factors and ELT's research on behaviour of absorbing roots in normal garden and also vertical panels.

ELT has many options for installation. It can be installed on walls, structures or even on two dowels. Thus it can be installed on vertical members or horizontal members as well. This system can also be installed on vertical members.

ELT has developed purely indigenous and longevity enabled growth medium in India, in 2008 and will not be required to be changed for lot many years to come as the medium does not change much of its physical properties for years to come.

ELT India has introduced this highly sustainable living wall system / vertical garden system in 2008 itself. It has completed its study in all respect before marketing them. ELT already has satisfied customers where installations are more than 40 months old in varied Indian climates.

The material used is polypropylene. It is



Courtyard in private residence, Pune. Photo: Courtesy of ELT India

selected after considering Indian climate and varied conditions. Universality of application and sustainability of the system is given top priority without being prejudiced to any materials. Considering salt spray along seashore and also maximum temperatures across India, ELT has specially kept away from low cost / low-performance metals. This is to assure the long life of the system and the performance of plants during extreme temperatures during summer and winter.

ELT has very serious approach towards clients' needs and it has own back up teams in Delhi, Chennai, Hyderabad, Bangalore, Mumbai and Pune. Soon, the units in Dehradun & Ahmedabad will start operations.

ELT India has already installed more than 100 green walls measuring 50,000 square feet and now it is already working on projects over 25,000 square feet.

ELT lightweight green roof system is already installed at eight places in India over 12,000 square feet and is right now working on projects having total area 1.8 million square feet. 70 percent of the area has slopes ranging from 12 degrees to 45 degrees.

**For more information, visit [www.eltindia.com](http://www.eltindia.com) or e-mail [sales@eltindia.com](mailto:sales@eltindia.com).**



Compound Wall, Bengaluru. Photo: Courtesy of ELT India