



## GREEN BUILDING COUNCIL

We have left no stone unturned in ensuring that Ahuja Towers is a landmark on the skyline of Mumbai. But what we have also done is taken appropriate steps to make it as eco-friendly as possible. Aiming of a Gold Certification from LEED (Leadership in Energy and Environmental Design) Ahuja Towers will be one of the few residential buildings in India accredited with that honour.

The glass used is a special 'Low E Glass' which allows more light to pass through but at the same time keeps a check on the heat that enters. Variable Refrigerant Volume (VRV) technology is being used for air-conditioning to control the temperature of each room separately, in order to save energy. There is also a 4.5 ton fresh air system being installed so that the air that enters the apartment is filtered and clean.

The 28ft water feature in the grand lobby also has chilled water flowing through it. This decreases the temperature levels, thereby saving on power that would have otherwise been spent on air-conditioning costs. Movement sensors for lighting in car parking and common areas ensure that when there are no people or cars in the vicinity, the lights go off, thus reducing energy consumption.

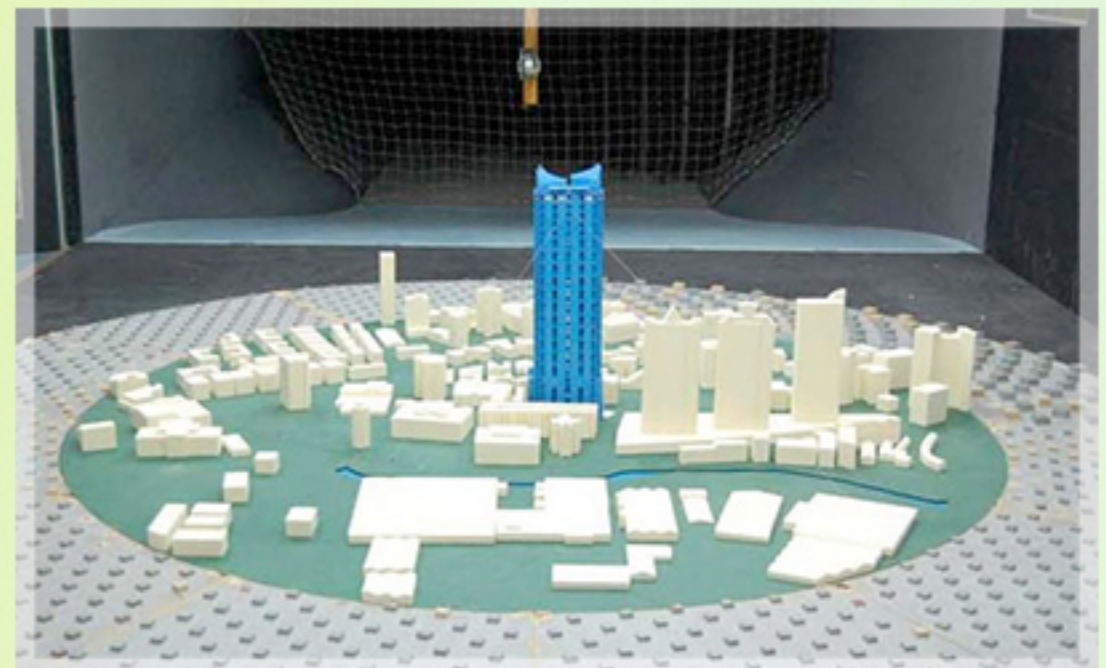
On the building site itself, there is a comprehensive sewage treatment plant that ensures that all sewage released is cleansed and reused only for lavatories and gardening/landscaping. We have also used environment friendly materials which are in compliance with the LEED rules.

## SAFETY & SECURITY

At Ahuja Towers you don't just get luxurious homes, you get safe ones too. We have considered every possible safety measure while building your home, be it structural, internal or even fire safety.

### Structural Safety

Around the world, high-rises in particular are exposed to extreme wind pressure that exist at high altitudes. To ensure that our building does not succumb to these forces, a wind tunnel test was conducted by BMT Fluid Mechanics, UK. Based on its findings, two 'C' shaped belt trusses connecting both buildings are constructed on the 25<sup>th</sup> and 41<sup>st</sup> level to stiffen the structure and also provide reinforcement. Besides this, the building is also earthquake resistant.



WIND TUNNEL TEST

### Internal Safety

Right from the moment you drive into the building access is restricted by way of boom barriers and bollards. Each owner/visitor will be provided an access card to enter the parking area. But it doesn't end here; there are CCTV's in all common areas like lobbies, lifts, parking bays, elevators amenities floors etc. In addition to this, the four elevators in the lobby are operated via an Access Card or Biometric Access and can be utilized only by the owners and their guests. Two separate service elevators have been provided at the rear of the building.

### Fire Safety

Ahuja Towers comes equipped with a state of the art fire alarm system. For the habitable and amenities floors, a smoke detector has been installed at each level. There is also a heat detector at the basement ground floor and podium levels for the various building service areas. In addition to this, there is a gas detector in the kitchen/pantry. Once triggered, these will automatically activate the Fire Alarm System, which in turn would control the functioning of various other systems as listed below:-

- ▶ All Air Handling Units (AHUs) and Treated Fresh Air (TFAs) of the affected zones or apartments will be shut off and the fire pumps (sprinklers of common areas/hydrants as applicable) of the affected zone will be activated.
- ▶ Lift-well pressurization fans will be turned on to prevent the smoke from accumulating here and a homing device will take the lift to the nearest floor. Various other lift operations would be controlled from the Fire Alarm System panel and the service elevators will act as fire operation elevators.
- ▶ A PA system will be activated informing individuals about the details of the fire and provide instructions as to how to get to the nearest refuge areas.
- ▶ On the exterior of the building there is also a provision external fire protection with yard hydrants on the ground floor.