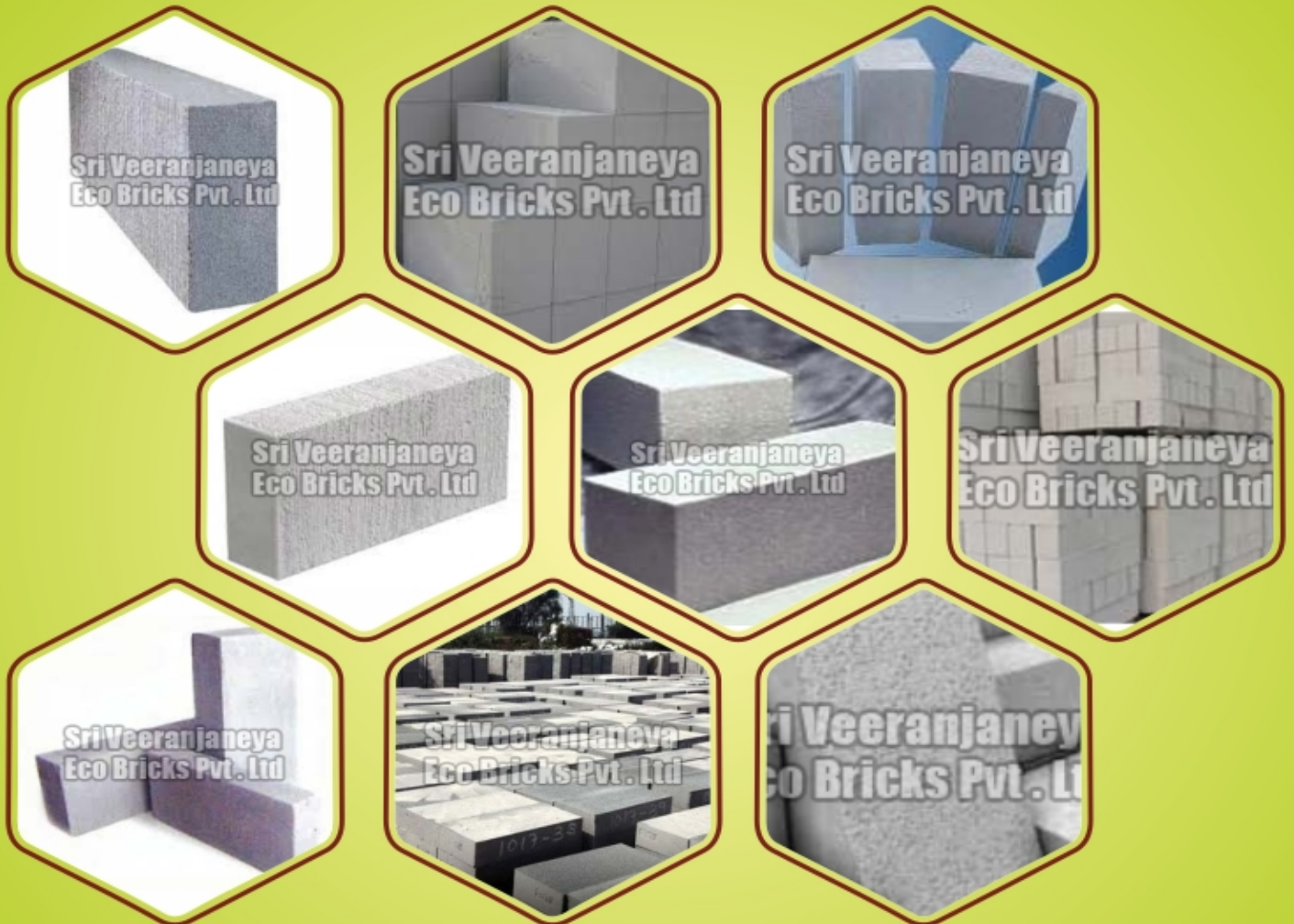


# SRI VEERANJANEYA

## ECO BRICKS PVT LTD



Located in Kodad (Telangana, India), Sri Veeranjaneya Eco Bricks Pvt Ltd was incorporated in the year 2011. The company is well managed by the Managing Director, Korlakunta Sreenivasa Rao. Markets we majorly serve are Middle East, Arab and Asian Countries.



## A Brief About Us

The company came into existence with an idea of introducing Prefabricated Construction Technologies to the Indian market. We started the production with an initial capacity of 1, 50,000 cubic meters, which has since then been scaled up to 3, 00, 000 cubic meters to make us India's largest producer of AAC blocks (Light weight blocks) at single location and in a fully automated and integrated manufacturing facility.

## Infrastructure

We have a well-established infrastructure based in Kodad and covering an area of 5.00 acre. It is installed with the latest machines like Dongyu from China. Our production capacity is 1, 50,000 CBM. Moreover, we have advanced testing and R&D facilities to meet the specific and ever growing demands of the clients.

## Dedicated Team

Due to our experienced and devoted team, we are able to supersede the expectations of the clients as well as of the organization. Our team also enables us to meet the bulk production requirements.





**Autoclaved Aerated Concrete Blocks**



## Autoclaved Aerated Concrete Blocks

The company is the trusted Manufacturer, Exporter and Supplier of durable Autoclaved Aerated Concrete Blocks. For the manufacturing of our Autoclaved Aerated Concrete Blocks, we make use of high quality raw materials and advanced techniques. We make available Autoclaved Aerated Concrete Blocks in bulk and at the most affordable rates. Also, we ensure timely delivery of the orders.

**More About Autoclaved Aerated Concrete Blocks :** In 1914, the Swedes formulated a mixture of cement, lime, water and sand that expanded due to aeration upon addition of aluminium powder. A material like wood but without the disadvantages of combustibility, decay and termite damage was obtained. The material was further developed to what we know today as Autoclaved Aerated Concrete (AAC). Autoclaved Aerated Concrete (AAC) is a fully integrated building system of panels and blocks that are used for residential, commercial and industrial buildings. AAC, a light-weight green building material, is fire resistant and has good thermal insulation, solid structure and is easy to work with. AAC is manufactured by about 200 Plants in 35 countries and is used extensively in residential, commercial and industrial buildings.

### **BASIC FACTS:**

Its lightweight reduces the dead weight of the structure drastically. Studies show a reduction in foundation steel by 15% and cement 10% if AAC blocks are used.

AAC blocks are approximately 9 times larger than clay bricks, which translates into 5 times faster construction & considerable saving in mortar & Plaster.

Highest thermal rating in the industry R30! It provides well insulated interiors, keeping out warm air in summers and cold air in winters. AAC reduces air conditioning cost by up to 30%.

Use of thinner blocks (6" instead of 9" exterior walls) because of its excellent water barrier & insulation properties leads to an increase in floor space area between 3-5%.

AAC Blocks are energy efficient and have been certified by the green building council (IGBC) as green building material and is eligible for leed credits. What's more in today's world plagued with global warming.

It's one of the most versatile building materials. It can be nailed, drilled, chiseled & cut in any way you want. Plumbing & Electrical conducting is very easy.

### **DETAILS OF MERITS ARE BEING PROVIDED HERE UNDER**

#### **HIGH THERMAL INSULATION :**

- These blocks have approx. 1/3rd density that of conventional building blocks.
- It has very low specific conductivity, which makes heating or cooling (Air Conditioning) very efficient.
- Generates regular saving on energy and global warming

**Light Weight :** With an approximate density of (550 to 650) kg/M<sup>3</sup> of AAC which is equal to 1/3 lighter than clay brick hence it reduce dead load of structure drastically resulting in to



## Autoclaved Aerated Concrete Blocks

saving of steel up to 15% and concrete up to 7%. This saves construction time and the total less materials required for the construction of the entire buildings.

**Superior Fire Resistance :** A 10 cm thick AAC Thermalite block provides a fire resistance value of 4 hours and 15 cm block 6 hours in accordance with BS-5628-3-approximately twice more protection than the normal concrete. Therefore, Thermalite is particularly suited for fire walls and fire protection of structural steel.

**Compressive Strength :** The block has an average compressive strength of (25-35) kg/cm<sup>2</sup> which is superior to most types of light weight blocks, 25% stronger than other producers of the same density.

**Workability :** It can be sawed, nailed and drilled easier than wood, by suitable tools available for this purpose. It results in less wastage and keeps the site clean.

**Economical, Easier & Quicker to Install :** Construction time substantially reduced while ECO Bricks blocks are used. AAC Blocks are larger and lighter than conventional blocks and hence can be installed at quicker rate. Blocks are laid flush utilizing thin joint mortar hence reducing mortar and plastering cost and eliminating thermal bridging.

**Sound Insulation and Absorption :** The Cellular Structure of AAC blocks provides superior sound absorption and insulation, both of which depend on density and porosity. The air porosity of the material will have significant effect on the performance of the wall. The aerated structure of thermalite consists of millions of very small non-interconnected air cells giving very low air porosity. This gives a high resistance to the passage of air borne sound relative to density.

**Earthquake Resistance :** Due to the stability & Light weight of AAC blocks the structure made from eco bricks are more resistant to earthquake. AAC blocks are better choice in earthquake prone area of south part of India.

**High Resistance to air and water penetration :** The AAC Products, because of their cellular and discontinuous micro structure are superior to the normal concrete in resistance of water penetrability & thus the external surface of AAC walls provides superior resistance to air and moisture penetration than the traditional masonry products. AAC is manufactured from non-biodegradable materials, which neither rot nor attract mould keeping interiors clean and durable.

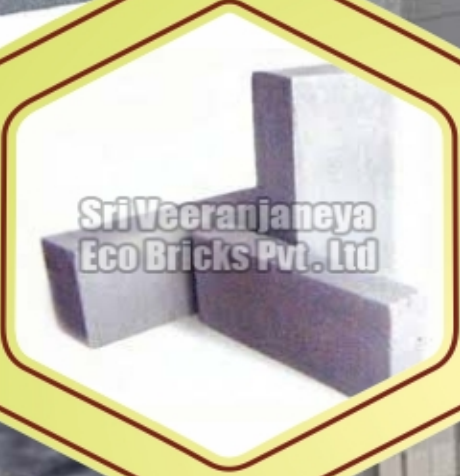
**Durability & Dimensional Stability :** The AAC Products have been in use for nearly 70 years. Since then, the production has spread to most parts of the world and the material has proved its durability under extremely different climatic and chemical conditions. The linear expansion coefficient of Thermalite is approximately 0.02%.

## Lightweight Concrete Blocks



We are the prominent Manufacturer, Exporter & Supplier of durable and high quality Lightweight Concrete Blocks. For the manufacturing of our bricks, we make use of the finest quality concrete and other raw materials. We have well-facilitated kilns where we carefully manufacture our Concrete Blocks. Buyers can obtain Lightweight Concrete Blocks in bulk and at very affordable rates from us!





**Contact Us**

**SRI VEERANJANEYA**  
ECO BRICKS PVT LTD



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