

An aerial photograph of an industrial facility, likely a water treatment plant. The image shows several large, cylindrical storage tanks arranged in rows, connected by a network of pipes and walkways. In the background, there are large industrial buildings with gabled roofs. The overall scene is industrial and functional.

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FLYAC AAC Blocks

The foundation of
smart building solution

Inventaa Industries pvt ltd

About Inventaa

Inventaa Industries is the largest precaster in Andhra Pradesh and Telangana, operating three central precast plants across India in Keesara (near Vijayawada), Hyderabad, and Bhubaneswar. We specialize in delivering high-quality precast elements, including hollow core slabs, pre-stressed beams, walls, facades, staircases, and sustainable building materials such as AAC blocks, pavers, and Acotec partition walls. With an in-house structural design team, we also undertake turnkey (design & build) projects. Committed to excellence, we strive to lead the construction industry by providing superior engineering expertise, safety, and quality while upholding the highest ethical standards.





What are AAC Blocks?

AAC Blocks are a modern alternative to traditional bricks, offering superior strength, durability, and insulation. Made from a blend of silica (from fly ash), cement, lime, gypsum, and aluminum powder, they form a lightweight concrete structure with tiny air bubbles. Cured under high pressure and temperature, AAC blocks provide enhanced energy efficiency, faster construction, and long-term sustainability compared to conventional clay bricks.

Why Choose AAC Blocks?

Rapid Installation

Lightweight and easy to handle,
significantly reducing construction time
and labor costs.



Fire & Moisture Resistance

Naturally fire-resistant and resistant to
moisture and mold, ensuring safety and
longevity in all weather conditions.

Sound & Thermal Insulation

Exceptional acoustic properties
minimize noise transmission, while
excellent thermal insulation reduces
energy consumption for heating
and cooling.





Customizable and Resizable

Easy to cut and shape without compromising structural integrity, adapting to design needs.



Eco-Friendly and Sustainable

Made from non-toxic, recyclable materials, supporting green building initiatives and environmental conservation.

Precision & Efficiency

Engineered with precise dimensions for uniformity and flawless construction

Durability and Low Maintenance

Resistant to moisture, pests, and weather conditions, ensuring long-term structural integrity with minimal upkeep.

PRODUCT SPECIFICATIONS

PRECISION

Length ± 5mm
width ± 3mm
Height ± 3mm

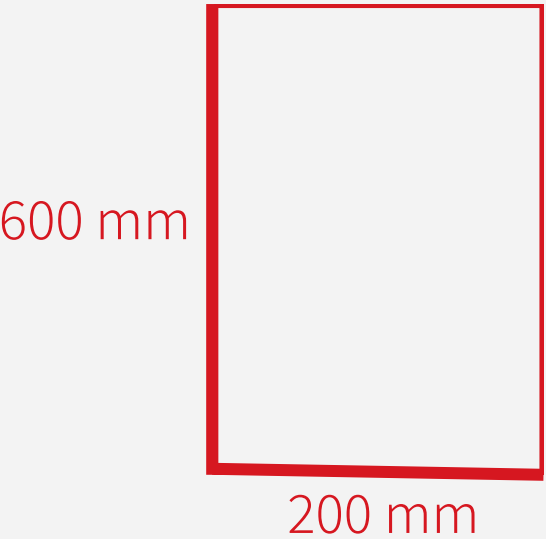
COMPRESSION STRENGTH

3-5 MPA

DRY DENSITY

550-650 Kg/m³

DIMENSIONS



Length : 600 mm
Height : 600 mm
Width : 50 - 230 mm

BLOCKS CALCULATOR

SIZE (L*H*W) [mm]]	VOLUME [ccm]	BLOCKS PER CCM
600 * 200 * 230	0.028	36.23
600 * 200 * 200	0.024	41.67
600 * 200 * 150	0.018	55.56
600 * 200 * 125	0.015	66.67
600 * 200 * 100	0.012	83.33
600 * 200 * 75	0.009	111.11
600 * 200 * 50	0.006	166.67



MATERIALS WE USE

Cement [OPC]

Fly-Ash

Lime

Gypsum

Solution Oil [Ammonia]

*All products comply with IS:2185

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OUR MANUFACTURING SUPERIORITY

- 9 Fully automatic aerated autoclaved concrete [AAC] plants, each of 121 m³ per cycle coupled with cooling chambers.
- Production capacity of 2000 m³ per day.
- Our automation design framework integrates industrial Ethernet communication with a three-level control system, ensuring seamless data exchange, stable operation, and minimal downtime. Its advanced measuring and mixing system guarantees precise material input for efficient production.

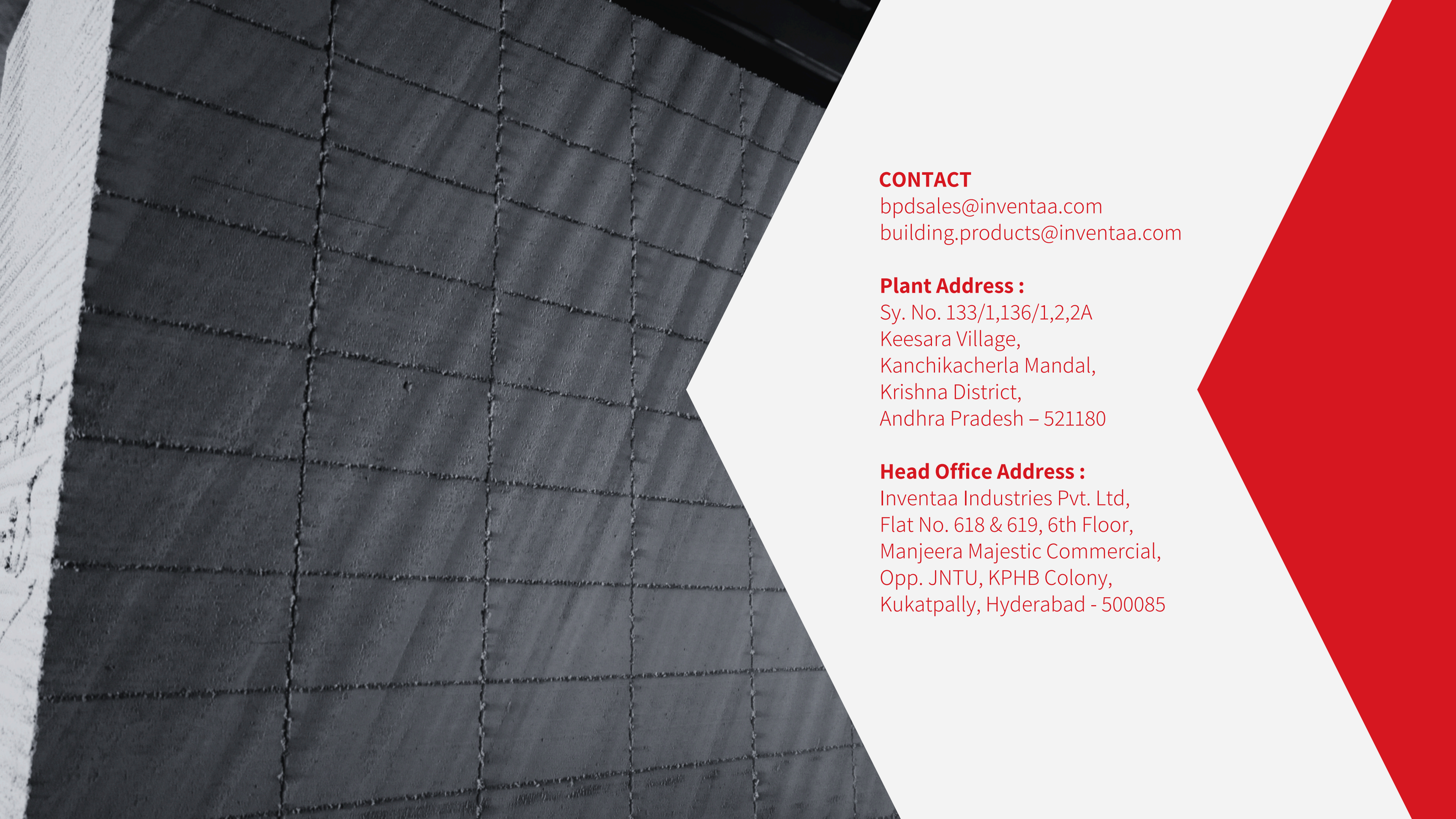
PRODUCTION PROCESS

- Our high-quality raw materials are precisely measured and mixed into a slurry, which expands to form air pockets, giving AAC blocks their lightweight and insulating properties.
- Then cut with high precision using a fully automated machinery, ensuring uniformity and accuracy.
- The blocks undergo high-pressure steam curing in one of our nine autoclave plants, followed by cooling for final stabilization, ensuring superior strength and durability.



Our Clients





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