

India Autoclaved Aerated Concrete Blocks Market Segmented By Product Type (Block, Lintel, Floor Elements, Roof Panel, Wall Panel, Cladding Panel, Others), By End User (Residential, Commercial, Industrial, Infrastructure), By Application (Construction Materials, Road Construction, Roof Insulation, Bridge Sub-Structure, Void Filling, Others), By Region, Competition, Forecast & Opportunities, 2019-2029

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Abstracts

India Autoclaved Aerated Concrete Blocks market is anticipated to grow at a robust CAGR during the forecast period 2025-2029F.

Autoclaved Aerated Concrete (AAC) is a precast, lightweight foam concrete building material that is used to create blocks and other concrete masonry components. It is made up of cement, water, lime, calcined gypsum, quartz sand and aluminium powder. AAC offers support, insulation, and mould and fire resistance. To protect against the weather, AAC products can be painted or covered with a stucco or plaster mix. They can also be utilised for both interior and exterior construction.

Rising Infrastructure Development

The Union Governments have made significant investments in infrastructure growth to support their economies and create employment. In order to meet the projected increase in the urban population over the upcoming years, residential infrastructure as well as smart cities, particularly urban centres, are also being planned and built. For

instance, in order to address the urban housing shortage among EWS/LIG and MIG categories, including slum dwellers, the union government launched the Pradhan Mantri Awas Yojana in 2015. The goal of the programme is to provide all eligible urban households with a pakka house. The budget for the Pradhan Mantri Awas Yojana (PMAY), the government's main housing programme, has surged from 2016–17 by 280%, rising from USD 2515.32 million in the most recent 2023–24 budget to USD 9550.8 million. There are other programmes including 'Housing for All' and the 'Smart Cities Mission' for the construction of sustainable infrastructure across the nation. The market for autoclaved aerated concrete blocks in India is projected to grow due to expanding infrastructure in the upcoming years across the country.

Ease in Application

AAC (autoclaved aerated concrete) is easier to cut into appropriate quantities such as blocks, sheets, and panels and is less in weight. Such elements allow the installation of AAC in structures more quickly and easily than conventional concrete, accelerating the building process. Demand for India's autoclaved aerated concrete blocks is projected to increase due to the simplicity of application of AAC compared to conventional concrete in buildings. Because of its great seismic resistance and small weight, the AAC is particularly well suited for high-rise structures.

Challenges: lack of Awareness

Due to a lack of knowledge about its advantages, AAC is not a material that is widely used in the building sector. Builders and clients who want to build their houses, workplaces, or businesses don't typically choose it as their first option. This is particularly the case in developing nations where normal concrete and fly ash bricks are the two main building materials. In addition, a lot of small builders and end users are extremely ignorant about the advantages of autoclaved aerated concrete for aesthetic purposes. The majority of the building labour force in underdeveloped nations is also unqualified to use AAC. The India Autoclaved Aerated Concrete Blocks Market is anticipated to see slow growth due to a lack of knowledge about AAC and the dominance of traditional building materials across the country.

Impact of Covid: Declined Demand for Autoclaved Aerated Concrete

COVID-19 has heavily impacted the economy. Several companies also struggled to preserve their financial viability during lockdowns. India's unemployment rate was reported to be close to 7% as of May 2022. The customer demand for expensive goods

decreased as a result of these economic consequences. Due to its greater manufacturing costs, AAC is more expensive than normal concrete. Because of the uncertainties in the economy, many buyers opted for a less expensive alternative to building. Also, the fall in their income during the lockout period forced many private builders to modify their purchase orders, substituting concrete for AAC to lower the cost of building. This had a negative impact on the India Autoclaved Aerated Concrete Blocks Market.

Market Segmentation

India Autoclaved Aerated Concrete Blocks Market is divided into product type, end user, and applications. Based on product type, the market is divided into Block, Lintel, Floor Elements, Roof Panel, Wall Panel, Cladding Panel, and Others. Based on end user, the market is divided into Residential, Commercial, Industrial, and Infrastructure. Based on application, the market is divided into Construction Materials, Road Construction, Roof Insulation, Bridge Sub-Structure, Void Filling, and Others. The market analysis also studies the regional segmentation to devise regional market segmentation, divided among North India, South India, West India and East India.

Market Players

Major market players in the India Autoclaved Aerated Concrete Blocks market are JK Lakshmi Cement Ltd, Biltech Building Elements Limited, Magicrete Building Solutions Pvt Ltd, Renaatus Procon Private Limited, Ambuja Cements Ltd, Godrej & Boyce Mfg. Co. Ltd, Aceton Industries Resources Private Limited, Methra Industries India Private Limited, HIL Limited, and Siporex India Private Limited.

Report Scope:

In this report, the India Autoclaved Aerated Concrete Blocks market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

India Autoclaved Aerated Concrete Blocks Market, By Product Type:

Block

Lintel

Floor Elements

Roof Panel

Wall Panel

Cladding Panel

Others

India Autoclaved Aerated Concrete Blocks Market, By End User:

Residential

Commercial

Industrial

Infrastructure

India Autoclaved Aerated Concrete Blocks Market, By Application:

Construction Materials

Road Construction

Roof Insulation

Bridge Sub-Structure

Void Filling

Others

India Autoclaved Aerated Concrete Blocks Market, By Region:

North India

South India

West India

East India

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the India Autoclaved Aerated Concrete Blocks market.

Available Customizations:

Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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The data given for any year represents the market during the period, i.e., 1st April of the former year to 31st March of the latter year. Eg: For FY2024E, the data represents the period, from 1st April 2023 to 31st March 2024.

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