




AAC blocks manufacturing unit based on energy efficient technology

Budge-Budge, Kolkata, India

The project activity of Biltech is an initiative for the production of 200,000 cubic meters of AAC (Autoclaved Aerated Concrete) blocks at Budge-Budge, Kolkata. The core of this technology is the special composition of the autoclaved aerated blocks, their chemical components.

A mixture of fly ash from thermal plants, lime, cement, gypsum and aluminium powder. This formula allows the blocks to acquire the mechanical properties that are required during the hydration and curing process without sintering (modification of the material in the consolidation process).

This project also focuses on increasing energy efficiency in the production of building materials. Conventional energy sources are replaced by environmentally friendly gas and kilns which have previously been fueled with oil can be eliminated. This project also helps India to attain the Paris climate goals.

Type of project:	Energy efficiency
Project N°:	115
Certifier:	KBS Certification Services Pvt. Ltd.
Type of certificate:	
UN Agenda 2030 Goals (see page 55):	