

Benefits and Challenges of being a Fly Ash entrepreneur in Bihar



Fly Ash Brick making in progress

India's growing infrastructure and rural development plans raise concerns about climate change due to greenhouse gas emissions from traditional brick and cement production. However, Fly Ash and Pond Ash offer a sustainable alternative to conventional red bricks.

Years of research confirm the environmental benefits of Fly Ash. It effectively utilises industrial waste to create high-quality building materials. Additionally, Fly Ash reduces water demand and heat hydration in fresh concrete, making it a more efficient material.

Entrepreneurs in Bihar, like Bishwa Karmendra Dev of Dev Bricks, see the advantages of Fly Ash bricks. Their lower production cost translates to savings for both manufacturers and customers. These bricks also offer better soundproofing and cooler indoor temperatures.

Despite these advantages, entrepreneurs face challenges. Managing Fly Ash plants requires better government support. Mr. Dev emphasises the need for free raw materials from NTPC (National Thermal Power Corporation) to expand production.

Over the years more and more businessmen investing in the cement sector are steadily moving towards the production of Fly Ash Cement because of the various benefits it provides.

Even though Fly Ash is provided, the entrepreneurs are facing the hurdles of procurement, unfair allocation, and lack of unity among the associations.

Despite these hurdles the entrepreneurs and environmentalists sight the benefits of using Fly Ash such as clean surroundings, reduced coal consumptions and elimination of ash dumping for shifting to the production of the product.

The expansion of infrastructure projects and the plans of more rural development in India, brings with it the fear of climate change as more and more greenhouse gases get released in the atmosphere because of the emissions caused by the manufacturing of cements and bricks.

But the availability of Fly Ash and Pond Ash act as a sustainable alternative to the originally used red bricks or common bricks. Through years of research, it was also found that the use of Fly Ash is environmentally friendly as the waste materials from the industries are effectively being used to create quality building materials. Also, Fly Ash benefits fresh concrete by reducing the mixing water requirement and improving the paste flow behaviour which results in decreased water demand and reduced heat hydration.