



A global leader in commercial explosives & blasting systems want to set up a plant that assures 100% safety, security and upkeeps environmental standards

About Orica Company

Indian Explosives Limited is a 100% owned subsidiary of Orica, an Australian company in commercial explosives and blasting systems to the mining and infrastructure industry. They are the global leaders in providing ground support in mining and tunnelling and leading supplier of sodium cyanide for gold extraction.

Case Summary

Project: Technical Feasibility for manufacturing plant for commercial explosives and blasting systems

Location of the Project: Nagpur, Maharashtra

Land Area: 550 Acres



Challenges

Specific requirements of the explosives industry, statutory requirements and timely delivery



Solution

Design content with Safety and Global Standards



Impact

Turn around time as planned. Cost savings and Time to market

About the project

Indian Explosives Ltd (IEL) already operates a manufacturing plant in India in Gomia, Jharkhand. IEL wanted to set up another manufacturing plant in central India. Land was identified by IEL near Nagpur.

Besten was appointed by IEL to carry out technical feasibility of the land, carry out master planning, basic engineering, plant engineering, preparation of drawing for statutory approvals, development of P&I diagrams, detailed engineering & hazard study up to HS2 level.

Besten worked very closely with the projects and operations division of IEL to understand the specific requirements of the explosives industry, statutory requirements, Orica values and operation philosophy, safety standards established internationally by Orica for their plants etc, and studied the Gomia plant for benchmarking purpose before starting the work on the proposed project.



key reasons to choose Besten

They were looking for exclusive **Industrial architecture and Infrastructure designers.**

They were looking for designers who can provide **global and local compliances for explosives industry** and other statutory requirements,

Time was a constraint and they were looking for fast and accurate Infrastructure designers that can be **deliver in the specified time.**

Highest priority to **confidentiality, security** and protection of intellectual property

A **single point of contact, secure file-sharing protocols,** and strict confidentiality-driven procedures to ensure data protection

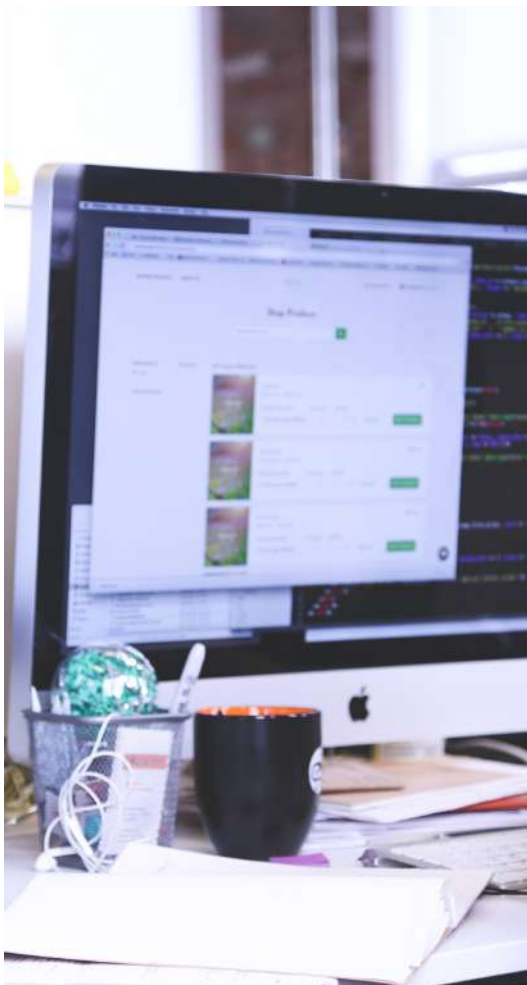
BUSINESS IMPACT

Besten has provided technical feasibility consultancy to understand the feasibility of the project.

The study team followed all specific requirements of the explosives industry, statutory requirements and logistics requirements.

The study Improved project focus and provides valuable information for a "go/no-go" decision. Identifies a valid reason to undertake the project. It aided decision-making on the project and Identifies reasons not to proceed.

**SPECIFIC
REQUIREMENTS
OF THE
EXPLOSIVES
INDUSTRY,
STATUTORY
REQUIREMENTS**



ABOUT BESTEN

Besten is a 25 years old design house specializing Industrial designs, Industrial factory layouts and production plants.

As design specialist for Industrial architecture, our industrial design solutions cover green energy design, lean manufacturing and robotic productions.

Besten provides innovative design solutions to both green field and brown field industrial projects for optimised design, save cost and increased production capacity.

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