

Drilling & Blasting Design Plan

Mining, Metals & Minerals

Document type: Plan / SOP / strategy / guide · Generated 29 Aug 2026

This guide explains what the tool produces, how to use the output, and what to watch for. The actual output (draft/report) is generated on the tool page.

Background

Get a drilling and blasting design approach for a bench — burden and spacing logic, hole depth and diameter, charge and stemming, delay pattern, and powder-factor and fragmentation targets — with vibration and flyrock control. Fill in your context below.

Purpose of this tool & output

Design efficient, controlled blasts

How the output is used

Use it to design efficient, controlled blasts — a drilling and blasting design across pattern, charge and sequence.

Important cautions

AI-generated design guidance; final design and execution must be by a licensed blaster per DGMS and Explosives Rules.

Companion documents

- Quarry Operations SOP
- Stone Crusher Operations SOP
- Mine Production Plan
- HEMM Maintenance Plan
- Dust Suppression Plan
- Overburden & Dump Management Plan

This is AI-assisted guidance. Verify with a qualified professional before any binding decision. Fees, authorities and processes vary by state and change over time — confirm with your state authority.