

2 DAYS WORKSHOP ON EXPLOSIVES

Course Objectives:-

To provide participants with a basic understanding of the properties & safe handling procedure of the Explosives & safe handling procedures of Explosives & Initiating Systems.

Course Content:-

Session 1

- What is an explosive?
- What is a detonator?
- Properties of Explosives.
- Firing Procedures
- Misfire Causes
- Safety & Risks

Session 2

- Introduction & Terminology
- Problem solving of Misfire
- Explosives Properties
- Explosives/Rock Interaction
- Explosives Range Selection
- High speed Films/Blast Videos
- Priming option & Effectiveness
- Rule of Thumbs for Blast Design
- Charging Methods

Session 3

- Initiation Systems
- Initiation Applications
- Blast Design & Geometry options
- Calculation of Drill & Blast Costs
- Optimization Technique & Tools

Session 4

- Vibration/Airblast/Flyrock
- Special Blasting Technique
- Safety Awareness Exercise
- Safety Investigation
- Safety, Accidents, Destruction of Explosives.