

RISK ASSESSMENT

The complete mining operation will be carried out under direction of superior mining personnel, following the directions of Directorate General of Mines Safety (DGMS).

Code of practice of different operations will be formulated to maintain of high standard of safety.

The entire mining operations will be carried out under the supervision of a Mines Supervisor.

The following natural/industrial problems are anticipated during normal operation:

- Inundation of excavated areas by excessive rains
- Slope failures at the quarry faces
- Accidents in course of blasting operations
- Sabotage in case of explosive magazine
- Spread of fire
- Seismic activity

In order to counteract against the above-mentioned hazards/disasters the following control measures have been envisaged :

1. Checking and regular maintenance of garland drains to prevent any inflow of surface water into the pit.
2. Provision of high capacity pumps to pump out water from the pits.
3. Metalliferous Mines Regulations, 1961 will be strictly followed during all mining operations.
4. Entry to unauthorized persons will be prohibited.
5. Providing all safety equipment to all the employees.
6. Training and refresher courses for all employees in accordance with Mines Vocational Training Rules 1965.

7. Working of mine, as per approved plans and regularly updated mining plans and schemes.
8. Regular cleaning of mining faces.
9. Regular maintenance and testing of all mining equipment as per manufacturer's guidelines.
10. Suppression of dust on haulage roads by using adequate amounts of water.
11. Since there is no forest nearby the chances of spreading fire due to any spark are remote.
12. The area falls under non-seismic zone
13. Increasing the awareness about safety and disasters through Safety Weeks celebrations, competitions, posters and other similar drives.
14. As a part of disaster management, imparting specialized training to selected mining staff, which can form a rescue team.

TRAINING: The training of mining personnel will be undertaken regularly with respect to disaster Management and environmental protection. The persons engaged in operating machinery will be trained under the manufacturer's specialized courses.