

CHAPTER-8

DISASTER MANAGEMENT PLAN

8.1 DISASTER MANAGEMENT PLAN

The mining operation shall be carried out under the management control and direction of a qualified mines manager holding a first class manager's certificate of competency to manage a metalliferous mine granted by Director General of Mines Safety (DGMS), Dhanbad. DGMS have been issuing a number of standing orders and circulars to be followed by the mine management in case of disaster, if any. Moreover mining staff would be sent to refresher courses from time to time to keep them abreast of the regulations. However following natural/industrial hazards may occur during normal operation :

- Slope failure at the mine faces
- Accident due to heavy equipments/machinery
- Accidents due to fly rocks and boulders

In order to take care of above hazards/disasters, the following control shall be adopted :

- All safety precautions and provisions of Metalliferous Mine Regulation 1961 are strictly followed during all mining operations;
- Checking and regular maintenance of garland drains and earthen bunds to avoid any inflow of surface water into mining area;
- Entry of unauthorized persons shall be prohibited;
- Fire fighting and first aid provisions in the mines office complex and mining area;
- Provision of all the safety appliances such as safety boots, helmets, goggles etc would be made available to the employees and regular check to ensure the use;
- Training and refresher courses for all the employees working in the hazardous premises;
- Working of mine as per approved plan, related amendments and other regulatory provisions;
- Cleaning of mine faces shall be done regularly;
- Suppression of dust on the haulage roads;
- Awareness of safety and disaster through competitions, posters and other similar drives;

8.2 HEALTH AND SAFETY

Health and safety aspects of the mine will be given due care. The workers continuously exposed to dust will be provided with some protective devices like dust mask, to prevent respiratory disorders. The workers continuously exposed to a high noise will be provided with ear muffs/ear plugs. Green belt in and around the mining area will be developed to attenuate noise and dust impacts.

The protective devices will be provided to the employees handling hazardous substances. Proper handling of the hazardous chemicals and the maintenance of Material Safety Data Sheet (MSDS) will be followed to ensure safety within the mine.

Drinking water supply for the employees and to the proposed colony will be provided by the project authority. The standard of the drinking water will be as per the prevalent Indian Standards.

Proper sanitary facilities will be taken care by the project authority so that employees do not suffer from any health ailments. The employees will be made aware of general sanitary practices.

Periodical training programme to inform the employees about their task, associated risk, and safe working practices will be undertaken. Training will also include information on accident prevention, proper control and maintenance of equipment and safe material handling practices.

A regular monitoring of the Occupational Health and Safety will reduce the chances of accidents in the mine. Records of job related accidents and illness should be maintained. These informations will be reviewed and evaluated to improve the effectiveness of Environmental Health and Safety Programme.