

## **RISK ASSESSMENT**

Human health and Environmental risk from developmental activities is mainly due to occurrence of some accident consisting of an event or sequence of events like explosion, fire and toxic hazards. Risk analysis provides a numerical measure of the risk that a particular facility poses to the public. It begins with the identification of probable hazardous events at an operational area and categorization as per the predetermined criteria. The consequences of major events or accidents are calculated for different combinations of weather conditions to stimulate worst possible scenario. These predictions of consequences are combined to provide numerical measures of the risk for the entire facility. Risk assessment should be done on the basis of past accident analysis at similar projects, previous judgments and expertise in the field of risk analysis especially in accident analysis.

## **DISASTER MANAGEMENT PLAN**

Disaster management plan should prepare with respect to the following possible risk in a opencast sand mining project.

In order to avoid air pollution arising out of generation of dust, water spraying will be done on roads and other points where dust is likely to be generated. The average wind speed of the area will be able to diffuse the negligible dust quickly in the air whatever will be generated and render it proper for inhalation . More numbers of safety measures like use of safety appliances, safety training, safety awards posters, slogans related to safety etc will be adopted. Extensive publicity and propaganda related to safety working of mine as per approved mining plan/scheme and environmental plan will be conducted. More over it is vary essential to cover the loaded vehicles covered with tarpaulin during transportation.