

## **RISK ASSESSMENT**

Risk assessment is determination of qualitative and quantitative value of risk related a situation or hazard. An emergency occurring in the proposed complex is one that may affect several sections within it and/ or may cause serious injuries, loss of lives, extensive damage to environment or property or serious disruption outside the premises.

It will require the best use of internal resources and the use of outside resources to handle it effectively. It may happen usually as the result of a malfunction of the normal operating procedures.

- **Hazard Identification**

Hazard is a situation that poses a level of threat to life health or environment. Main hazards identified for the project include:

- Man-made Hazards: Fire and explosion, Electrical accidents, Trips and Falls, etc.
- Natural hazards: Earthquakes, dust storms, urban flooding, etc.

- **Evacuation Plan**

M/s Delhi Police has proposed the present Police Training School to train the armed forces for combating such situations. Standard operating procedures are maintained for all eventualities and training provided on the same.

## **FIRE AND EMERGENCY PLAN**

First aid fire-fighting equipment suitable for emergency will be maintained in the project facility as per the statutory requirements. The fire hydrant system and Fire air portable fire extinguishers will be provided as described below:

- **Fire Hydrant System**

The proposed system consists of G.I. pipes laid below ground and hydrant outlets spaced on the perimeter of the entire complex as per NBC/Safety requirements.

Main hydrant piping consists of isolation valves, yard hydrants, hoses, and nozzles hose cabinets located as per statutory requirement. GI pipe as underground ring main is proposed around periphery of the building. In case of all in pressure due to minor leakages in the system, jockey pump automatically switches 'ON' and maintains preset pressure in the piping network. Total system envisaged meets the requirement of NBC/Safety requirement.

- **First Aid Portable Fire Extinguishers**

Portable fire extinguishers of required capacity and type are located in strategic locations in project buildings, pump house, electrical room, transformer yard area etc as per statutory requirement.

- **Emergency Plans**

During an emergency, Complex inmates will be warned by raising siren in specific pattern. Inmates will be given training of escape routes, taking shelter, protecting from toxic effects and will be provided with information related to fire hazards, antidotes and first aid measures.

- **Public Information and Warning**

It is anticipated that disaster effects may mostly be confined to the facility itself. However, as an abundant precaution, the information related to Fuels, Chemicals in use will be furnished to District Emergency Authority for necessary dissemination to general public and for any use during an off-site emergency.

- **Co-ordination with Local Authorities**

Keeping in view of the nature of emergency, two levels of coordination are proposed. In the case of an On-Site Emergency, resources within the organization will be mobilized and in the event extreme emergency local authorities help should be sought. In the event of an emergency developing into an offsite emergency, local authority and District Emergency Authority (normally the Collector) will be appraised and under his supervision, the Off Site Disaster Management Plan will be exercised. For this purpose, the facilities that are available locally, i.e. medical, transport, personnel, rescue accommodation, voluntary organizations etc. will be mustered. Necessary rehearsals and training in the form of mock drills shall be organized.