

Risk assessment & Disaster Management Plan

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Risk assessment study deals with identifying and evaluating the magnitude of impending risks to which the neighbouring population is exposed due to occurrence of accidents involved in the project construction and implementation. This assists in illustrating the guidelines for preparation of a disaster management plan which can be executed to handle the situation, if any emergency occurs.

Fire risk

Fire is mainly caused in residential buildings due to carelessness, short circuits and malfunctioning of gas regulators, tubes and such related products.

At the proposed housing project, hazard occurrence may result in on-site implications like:

- Fire and/or explosion
- Leakage of flammable material and catching fire
- Natural calamities like earthquake, cyclone etc.

Onsite Emergency Plan

For incidents which could affect people and the environment inside the building.

- Display of emergency phone nos. (Includes phone number and address of nearby hospital, fire station, police station, public help service etc.)
- Periodic maintenance and checking of all equipment.
- Training to all occupants for different type of emergencies
- Building emergencies manual
- Training program for the tenants, security guards, housekeeping and other stake holders of the building.
- Evacuation plan, floor plan, site plan, elevation marked with refuge area etc.
- Fire & other emergencies regular drill programs
- Posters and other templates, showing emergency preparedness for children and building occupants.
- Evaluation and updating of the plan to improve effectiveness.

Offsite emergency plan

For incidents which could affect people and the environment inside the building.

- Awareness program will be conducted with the help of local NGO's.
- Some of the local responsible people will be also being included and will be given training for emergency preparedness.
- Emergency awareness program for outsiders.

- Evacuation procedure templates.
- Fire & other emergencies: regular drill programs for outsiders.
- Posters and other templates, showing emergency preparedness for outsiders.

Emergency Plan

Onsite Emergency Plan	Offsite Emergency Plan
For the incident which could affect people and the environment inside the building	For the incident which could affect people and the environment outside the building
<ol style="list-style-type: none"> 1. Display of emergency phone nos. (Include phone number and address of nearby hospital, fire station, police station, public help services etc. 2. Periodic maintenance and checking of all equipment 3. Training to all occupiers for different type of emergencies 4. Building emergencies manual 5. Training program for the tenements, security guards, housekeeping and other stake holder of the building. 6. Evacuation plan, floor plan, site plan, elevation marked with refuge area etc. 7. Fire & other emergencies regular drill programs 8. Poster other temples, showing emergencies preparedness for children and building occupants 	<ol style="list-style-type: none"> 1. Awareness program will be conducted with the help of local NGO's 2. Some of the local responsible people will be also be participated and will be given training for the emergency preparedness. 3. Emergencies awareness program for the outsiders. 4. Evacuation procedure templates. 5. Fire & other emergencies regular drill programs for the outsiders 6. Poster other template, showing emergencies preparedness for outsiders.

Fire mitigation measures for disaster management

Fire mitigation measures are as follows:

- Proper fire escape routes.
- Fire bell
- Assembly point area
- Buckets of Sand
- Portable Fire Extinguishers of IS specification.
- Staircase will provided
- Alternate source of power supply / D.G sets.
- We will design our building as per earthquake resistant structure.
- Fire tender access: 12 m & 9 m wide access internal road will be provided. Fire tenders will be accessible to each Residential building.