**ROLE & ACTIVITIES OF EMERGENCY RESPONSE TEAM**

**Communication Flow: ERT🡪 responsibilities in case of Emergency( Alerting , Sending them to safe zone, Head Counting, Checking hidden parts, making them to go to the designated area..follows…**

1. **ANY ONE NOTICING EMERGENCY, YOU SHOULD PUSH THE BUTTON OF EMERGENCY SIREN IMMEDIATELY AND ALERT ALL THE RESIDENTS/EMPLOYEES.**
2. **TO DEVELOP ABILITY TO ASSESS A SITUATION AND RESPOND TO IT EFFECTIVELY WITH APPROPRIATE METHODOLOGY OR STRATEGY.**
3. **TO CONTROL AND CONTAIN THE INCIDENTS BY SYSTEMATIC APPROACH.**
4. **TO MINIMIZE DAMAGE TO PROPERTY AND THE ENVIRONMENT.**
5. **TO SAFEGUARD EMPLOYEES AND RESIDENTS IN THE VICINITY.**
6. **TO EFFECT RESCUE AND TREATMENT OF CASUALTIES.**
7. **TO SECURE A SAFE REHABILITATION OF AFFECTED AREAS AND RESTORE NORMALCY.**
8. **TO WORKOUT A PLAN TO HANDLE EMERGENCIES TO PROVIDE PERIODIC REHEARSAL OF THE PLAN.**
9. **TO ENSURE SAFETY OF THE WORKS BEFORE PERSONAL RE-ENTER AND RESUME WORK.**
10. **TO INFORM AUTHORIZED MUTUAL AID CENTERS TO COME FOR HELP.**

**Responsibilities of control team:**

* Identify source of leak and arrest it by using P. P. E.
* Shift the flammable material to be safer place.
* Cool nearby structures/equipment to reduce the heat effect and prevent secondary fires.
* Minimize damage to plant and environment and loss of material by segregation, covering, salvaging, diverting fire water, etc;
* Attend the breakdowns in electrical instrumentation and mechanical equipment.
* Retrieve and protect plant records like log books, files, drawings, manuals, inventory documents, charts, etc; from destruction or damage during emergency control operation.

**Responsibilities of Fire fighting and Rescue team:**

* As per the instructions of Asst Manager-Fire Safety, rust to the incident spot and start fire fighting operations suitably by using proper extinguishing media.
* Isolated the affected area and not to permit unauthorized persons to reach the place of fire.
* Maintain supply of fire extinguishing media and equipment as necessary.
* Rescue casualties and transport to outside the effected area.
* Guide the employees to reach the respective assembly points.
* Search for the missing personnel.
* When the fire is extinguished don’t leave the place immediately, re-check the place thoroughly to prevent restart of fire.
* Used fire extinguishers to be sent for security to arrange refilling and unused extinguishers to be kept back at the designated location.

**Responsibilities of medical team:**

* Render first aid immediately as per the situation.
* Administer oxygen in case of respiratory problem.
* Coordinate with the fire fighting and rescue team.
* Arrange transportation for sending the casualties to near by Hospital.

**SAFETY ORGANISATIONS IN LOSS PREVENTION**

Organization, Administration & Management are the three important steps are to be taken for the successful outcome of any industry. Safety is directly linked with the factors like:

1. The quality of work
2. The methods of work
3. The working conditions
4. The efficiency of work
5. The decisions associated with work
6. The place of work
7. Procedures employed in the work
8. Persons involved with the work

**PREVENTIVE MEASURES**

1. PROPER SELECTION
2. EDUCATION TOWARDS SAFETY
3. ON JOB TRAINING
4. PLACEMENT
5. SUPERVISION OF WORKERS
6. PROVIDING SAFE WORKING CONDITIONS
7. MOTIVATION
8. COUNSELLNG & VOCATIONAL GUIDANCE

**BASIC THEORY OF ACCIDENT FACTORS**

Basic theory of accident occurrence with the various factors in their sequence can be given by two factors. They are

1. Unsafe action factors
2. Psycho-social & Personal factors

**Unsafe action factors:**

1. Failure to use proper personal protective equipments
2. Operating without authority
3. Making safety devices inoperative
4. Using unsafe equipment & improper tools
5. Taking unsafe position
6. Working on moving equipments
7. Trying shortcut methods to finish a job quickly
8. Distracting, teasing, abusing, quarrelling, etc;
9. Inexperience
10. Less knowledge & skill

**Psycho-social & Personal factors**

1. Age
2. Health condition
3. Home environment
4. Organization environment
5. Financial position
6. Addition to intoxicating substances
7. Reckless attitude
8. Emotional instability
9. Dislike of superior
10. Martial status
11. Physical problems like vision, fatigue, hearing, reaction time, etc;
12. Day Dreaming

**FOR A GOOD SAFETY MANAGEMENT**

There are three important components in the process of achieving efficient result without accidents. They can be given a

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| **.**  **SAFETY TRAINING**  It is an extension of safety education which lies effectively in the use of safety work practices and techniques.  In safety training, a safe method of doing a job in the proper sequence of operation is taught in detail.  The general benefits from the safety training shall be   1. Training activities indirectly demonstrate company’s interest in employees which leads to   good human relations at work.   1. Understanding the importance of safety and hence following safe work procedures   in the operation of machines, equipments and handling materials.   1. Training saves the time spent by the supervisor to instruct and correct. 2. Knowing the techniques of fire fighting, first-aid, lifting, stacking, forklift operation, etc;   this helps a lot in the prevention of accidents and during emergencies.   1. Understanding and eliminating the hazardous situations. 2. Broadening the knowledge of workers. 3. Good discipline of the workers in following the rules, regulations and orders. |  |  |  |  |  |  |  |  |  |

**RESCUE METHODS**

* Pick a back method
* Fireman lift
* Crawling method
* Toe drake method
* Back to back method

**ARTIFICIAL RESPIRATION**

* Holger Nelson method
* Schafer’s method
* Sylvester’s method
* Mouth to mouth method
* Mouth to nose method

**FIRST-AID**

**First-aid is an aid given by a trained person to the casualty before reaching to the hospital or attended by a registered medical practitioner.**

**AIM OF FIRST-AIDER**

* **Preserve life**
* **Prompt recovery**
* **Prevent aggravation**

**QUALITIES OF FIRST-AIDER**

**STOP DREAD**

* **S------------- Sympathy**
* **T-------------Tactful ness**
* **O-------------Observation**
* **P-------------Perseverance**
* **D-------------Divinity**
* **R-------------Resourceful**
* **E-------------Explicit**
* **A-------------And**
* **D-------------Devotion**

**Thanks for spending your valuable time.**