THE FOLLOWING ARE THE EMERGENCY SITUATIONS IDENTIFIED FOR ELECTRICAL

1. EXPLOSTION IN TRANSFORMER
2. SPILLAGE/ FALIURE OF DIESEL TANK
3. **SITUATION: EXPLOSTION IN TRANSFORMER**

**Scope:** Includes transformers, Damage to permanent / temporary structures etc.

**Overall Responsibility:** Electrical Head

In absence of Electrical Head, Shift In-charge shall take control of the situation.

**Resources needed:**

1. Equipment for communication walkie talkie/intercom/mobile phones.
2. Personal Protective Equipment.
3. First aid box.
4. Fire extinguishers
5. First Aiders

**Emergency Response Plan:**

1. Power supply to the transformer is to be switched off by electrical shift engineer.
2. In case of any injured victim, immediately check for breathing and give CPR if necessary
3. Victim to be immediately taken to OHC
4. If any fire is there, fire is to be extinguished by using suitable fire extinguisher (CO2 / DCP, but not water) by trained fire fighter
5. Electrical inspector must be intimated; respective unit head is to be informed
6. Check the condition of transformer oil and cooling system for signs of damage
7. Check for possible overloading, terminal faults, winding faults and incipient faults
8. Check the healthiness of relays, high voltage fuses etc.
9. After diagnosis and rectification, take transformer online

**Mitigation Measures:**

1. Mock Drills shall be conducted.
2. Training to the work person

**Legal obligations in case of emergency, if any:**

In case of any incident in the Electrical department involving serious injury or fatality, the same will be reported to HSE/VAB Head by Electrical head for further compliances.

**Records to be maintained:**

* Mock Drill Report.
* Incident & investigation report.

**Reporting of emergency:**

Report emergency internally to Electrical HOD, Head – Safety, plant Head.

1. **SITUATION**: SPILLAGE/ FALIURE OF DIESEL TANK

**Scope:** Includes OVERFOW, LEAKAGE OF DIESEL FROM DIESEL TANK

**Overall Responsibility:** Electrical Head

In absence of Electrical Head Shift In-charge shall take charge of the situation.

**Resources needed:**

1. Equipment for communication walkie talkie/intercom/mobile phones.
2. Personal Protective Equipment.

**Emergency Response Plan:**

* 1. The valve of the dyke wall should be kept close at all the times with dummy.
  2. If any heavy spillage is observed or the tank ruptures the entire diesel will accumulate in the dyke wall
  3. Immediately on notice of such incident report to BF control room or boiler control room.
  4. Ensure that all ignition sources are removed from the nearby area
  5. Shift superintend should be informed about the incident who will then co-ordinate the emergency response activities.
  6. Safety In-charge should be contacted.
  7. Care should be taken to avoid any open flame near the dyke wall. 32
  8. The diesel from the dyke wall should be collected in suitable container avoiding any run off.
  9. Do not operate any electrical equipment.
  10. Factory Manager, Head HR, VAB and Manager Stores should be informed about the incident. k. Head HR, VAB should take steps to inform the incident to Joint Chief Controller of Explosives.

**Mitigation Measures**

1. Mock Drills shall be conducted.
2. Work person shall be given training on handling on hot metal.

**Legal obligations in case of emergency, if any:**

In case of any incident in the Electrical department involving serious injury or fatality, the same will be reported to HSE/VAB Head by Electrical head

**Records to be maintained:**

* Mock Drill Report
* Incident report & Investigation report.

**Reporting of emergency:**

Report emergency internally to Electrical HOD, Head – Safety, plant Head.

**CONTACT NOS. OF PERSONS IN CASE OF EMERGENCY:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No.** | **Name of Person** | **Office Number** | **Mobile Nos.** |
| 1.  2. | Head Electrical VAB  Premanand Rane  Head Electrical PID1:  S. Chandrasekaran | 0832-2385224  0832.2385252 | 9922436883  9158987122 |
|  | Area In charge   1. Sharad Malvekar 2. Benjamin Broose 3. Raaj Chimulkar 4. Rakesh Khoth | 0832-2385307  0832-2385303  0832-2385312  0832-2385312 | 9923010676  9178451742  9765163728  8830387800 |
|  | Shift in charge   1. Lakhan Paswan 2. Vimal 3. Atmaram Gaonkar 4. Sashwat Parida | 0832-2385227  0832-2385227  0832-2385227  0832-2385227 | 9764015456  9158783006  9373286834  9011035810 |
|  | Doctor: Abel D’costa  Componder/ dispensory | 0832-2385222 |  |
| 6 | **Contact information in case of an emergency / Emergency – External;** |  |  |
| 7 | Ambulance | 108 |  |
| 8 | Police | 100 |  |

|  |  |  |
| --- | --- | --- |
| **Prepared By:**  Senior Elect. Engineer | **Reviewed & Issued By:**  Management Representative | **Approved By:**  Head – Electrical & Instrumentation PID I |
| **Signature** | **Signature:** | **Signature:** |
| **Review Date: 04.03.2023** | **Review Date: 04.03.2023** | **Review Date: 04.03.2023** |