



**DALMIA CEMENT (B) LIMITED**  
**DPM**  
**CONFINED SPACE RESCUE PLAN**



Issue No. 02	Rev. No: 01	Effective Date: 22.05.2015	DCBL/CS/SOP/51
Issued By: S & P		Approved By: Head- Mech	
SOP FOR RESCUE PLAN FOR TOXIC GASES IN CONFINED SPACE			

**SCOPE** : Procedure for evacuating a person from Toxic gas areas.

**Responsibility** : Rescue Team.

**PPE:**

1. Kevlar suit Not applicable
2. Safety helmet
3. Safety shoes.
4. SCBA (Self Contained Breathing Apparatus)

**Tools:**

1. Tripod
2. Atmospheric Testing Equipment
3. Ventillation Equipment
4. Communication Equipment
5. 24 V Lighting Equipment with Transformer
6. LOTO Locks
7. Barriers & Signage boards

**Hazards:**

**Risk Associated**

Toxic air contaminants

Residual chemical or materials

**Mitigating Measures**

Use SCBA for Air supply  
/dilute for spray water

Use LOTO for Isolation

**Training needs:**

1. Confined Space Entry Standards Training
2. Rescue Training
3. Fire fighting training
4. First aid training



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**Procedure:**

1. The Watch Person must be communicated continuously with Entrants for identifying any abnormal situations.
2. In case of emergency Watch Person will initiate the Rescue Plan by summoning Rescue Team through Mobile phone OR Public Address System OR Manual Call Point.
3. The Rescue team must assemble immediately at the Confined Space area with all the necessary equipments required for the safe rescue operations along with the Ambulance.
4. Before entering into Confined Space, the rescue team personnel should ensure the area is safe to enter & LOTO (Lock out& Tag out) was followed properly to eliminate the Engulfment hazards.
5. Forced ventilation can also be given in line to make atmosphere safe & to eliminate the Atmospheric hazards.
6. Atmosphere has to be checked properly with Oxygen meter before any person exposing to the Confined space which contains the Toxic gases.
7. Persons can identify the presence of toxic gas through the symptoms like burning eyes, coughing, dizziness, nausea, disorientation, lack of coordination & head ache which may be noticed in Entrants or their own experience before entry into confined space.
8. Rescue personnel should use the SCBA (Self Contained Breathing Apparatus) in case atmosphere is containing Toxic gases & not safe to enter into the Confined Space for evacuating the victim.
9. If required, the Tripod should be erected with all the safety measures in the Confined Space opening area for evacuating victim safely.
10. The area must be safeguarded with barriers & signage boards to avoid unwanted entry of people in the vicinity of Confined Space.



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11. Rescue person should enter safely into Confined Space & retractable fall arrestor rope of Tripod has to be sent down to pull out the victim.
12. Full body safety harness has to be fixed properly for the victim & the 'D' shackle of it has to be latched to the retractable fall arrestor rope.
13. Slowly pull the victim upwards by operating the hand roller of Tripod.
14. First Aid has to be given on the spot if required by Rescue personnel.
15. The victim must be shifted immediately to the hospital for further treatment.

**Emergency:**

1. In case of belt is moving, Emergency pull chord switch should be activated by the person.
2. If body injury is there, First aid will be given and inform to the Safety department or Call Emergency number 222/555/9865125176/9865177444.

**Records/Annexure:**

1. Refer Confined Space Entry Standards.
2. Refer Confined Space Entry Procedures.
3. Refer LOTO Standards
4. Refer LOTO Procedures
5. Refer Confined space & Energy isolation permit

HEAD MECHANICAL

HEAD TECHNICAL