



DALMIA CEMENT (B) LIMITED
DPM
CONFINED SPACE RESCUE PLAN



Issue No. 02	Rev. No: 01	Effective Date: 22.05.2015	DCBL/CS/SOP/52
Issued By: S & P		Approved By: Head- Mech	
SOP FOR RESCUE PLAN FOR PHYSICAL HAZARDS IN CONFINED SPACE			

SCOPE : Procedure for evacuating a person from Physical hazards.

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. Ventilation Equipment
4. Communication Equipment
5. 24 V Lighting Equipment with Transformer
6. LOTO Locks
7. Barriers & Signage boards
8. Full body safety harness with double lifeline

Hazards:

Risk Associated

Mitigating Measures

Fall from Height

Use Full body safety harness with double lifeline

Electrocution

Isolate the electrical source

Material Engulfment

Use LOTO for Isolation

Training needs:

1. Confined Space Entry Standards Training
2. Work at Height & Scaffolding Training
3. Rescue 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 & hazards are controlled within the limits.
5. Forced ventilation can also be given in line to make atmosphere safe & to eliminate the Atmospheric hazards.
6. Rescue persons should carry on rescue operations based on the physical hazards present in the Confined Space.
7. Atmosphere has to be checked properly with Oxygen meter before any person exposing to the Confined space which contains the atmospheric hazards.
8. Rescue personnel should use the SCBA (Self Contained Breathing Apparatus) in case Confined Space contains any of the atmospheric hazards for evacuating the victim.
9. If it is a fall from height, rescue persons should lift the persons very carefully by bounding the damaged parts of victim so that any further major damages to the parts may be avoided.
10. If it is a Electrical hazard like Electrocution, then the rescue persons should ensure that all the electrical supplies were isolated in Confined Space before entry. All the electrical equipments must be connected along with ELCB(Earth Leakage Circuit Breaker) inside Confined Space to avoid such type of hazards & to protect the people in case of miss-handling the equipments.



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11. The CPR (Cardio Pulmonary Resuscitation) trained person from the Rescue team has to give first aid if needed on the spot.
12. If it is a material Engulfment case then Rescue persons must ensure that the Confined Space is safe to enter & must use SCBA for respiration purpose inside Confined Space.
13. Rescue persons must ensure LOTO (Lock out & Tag out) was followed properly & isolated all the systems connected with the Confined Space so that further addition of material is avoided.
14. Rescue personnel must ensure draining OR removing of the existing material inside Confined Space which makes easy access for the Rescue operations.
15. If required, the Tripod should be erected with all the safety measures in the Confined Space opening area for evacuating victim safely.
16. The area must be safeguarded with barriers & signage boards to avoid unwanted entry of people in the vicinity of Confined Space.
17. Rescue person should enter safely into Confined Space & retractable fall arrestor rope of Tripod has to be sent down to pull out the victim.
18. 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.
19. Slowly pull the victim upwards by operating the hand roller of Tripod.
20. First Aid has to be given on the spot if required by Rescue personnel.
21. 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.



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Records/Annexure:

1. Refer Confined Space Entry Standards.
2. Refer Confined Space Entry Procedures.
3. Refer LOTO Standards.
4. Refer LOTO Procedures.
5. Refer WAH & Scaffolding Standards.
6. Refer WAH & Scaffolding Procedures.
7. Refer Confined space & Energy Isolation Work Permits.

HEAD MECHANICAL

HEAD TECHNICAL