



**DALMIA CEMENT (B) LIMITED – CEMENT PLANT  
ARIYALUR  
ELECTRICAL MANUAL**



|                                 |             |                               |             |
|---------------------------------|-------------|-------------------------------|-------------|
| Issue No. 01                    | Rev. No: 01 | Effective Date: 07.07.2017    | SOP/ELE/043 |
| Issued By: M.R                  |             | Approved By: HOD - ELECTRICAL |             |
| ONLINE BLOWERING OF HT/LT MOTOR |             |                               |             |

**Scope** : Online Blowing of HT/LT motor

**Responsibility** : Electrical section Technician / Section Engineer

**Accountability** : Electrical Section Engineer / Head

**PPE:**

1. Safety Helmet,
2. Safety Shoe,
3. Safety Hand Gloves.
4. Fire proof suit

**TOOLS:**

1. Spanners,
2. Hand Blower,
3. Waste Cloth.

**Hazard Analysis:**

**Risk associated:**

Effect of Eye Irritation

Dust inhalation

Slippage of tools

**Mitigation Measures**

Use of Goggles

Use of Nose mask

Proper Usage/handling the tool

**Procedure:**

1. Ensure the weather condition should be dry and less wind velocity.
2. Connect the blower properly with Industrial Single phase socket.
3. While blowing the motor , people should maintain minimum clearance between live parts and the blower.
4. Clean the area after completion of the work.

**Emergency Shut- off:**

1. Trip the Motor



**DALMIA CEMENT (B) LIMITED – CEMENT PLANT  
ARIYALUR  
ELECTRICAL MANUAL**



|                                 |             |                               |             |
|---------------------------------|-------------|-------------------------------|-------------|
| Issue No. 01                    | Rev. No: 01 | Effective Date: 07.07.2017    | SOP/ELE/043 |
| Issued By: M.R                  |             | Approved By: HOD - ELECTRICAL |             |
| ONLINE BLOWERING OF HT/LT MOTOR |             |                               |             |

2. If any injuries are there, give First aid and inform to the Safety department or Call Emergency number 3108/9865152222/9750963761.

**Records/Annexure:**

**JSA enclosed**

| <b>Job Safety Analysis</b>         | Job: Online blowiring of HT Motor slipring | Date:                             | Analysis by:   | Reviewed by: SH  |
|------------------------------------|--|-----------------------------------|--|--|
| Title of employee doing job:       | Supervisor: Sec.Engr                       | Department: Electrical            | Section: Plant   | Approved by: HOD   |
| Req'd/recommended PPE:             |  |                                   |  |  |
| <b>Sequence of Basic Job Steps</b> | <b>Potential Hazards</b>                   | <b>Recommended Safe Procedure</b> | <b>What Could Go Wrong</b>   | <b>Corrective Action</b>   |
| Cleaning of motor body parts       | Contact with live / rotating parts         | Keep safe distance while blowing  | Blower hose may contact with rotating parts, which leads to Entrapment | Avoid contact with moving parts maintain safe distance for Blowing |
|                                    | Eye irritation of dust.                    | Wear goggles                      | Damaged goggles/non standard goggles/ Not wearing goggle               | Periodic replacement / Proper training / Follow SOP                |
|                                    | Respiration problem of dust                | Wear Nose mask                    | Damaged nose mask/Not wearing Nose mask                                | Periodic replacement/ Proper training/ Follow SOP                  |
| Opening / Closing of Chamber door  | Leg injury due to fall of Chamber door     | Door to be lifted by two person   | Lifting by one person  | Educating by pep talk  |