



## DALMIA CEMENT (B) LIMITED – CEMENT PLANT

ARIYALUR

### ELECTRICAL MANUAL

Issue No:02	Rev. No: 00	Effective Date: 01.11.2019	SOP/ELE/032
Issued By:		Approved By: HOD - ELECTRICAL	
USAGE OF HYDRAULIC BEARING PULLER			

**Scope** : Usage of Hydraulic Bearing Puller

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

**Accountability** : Electrical Section Engineer / Head

#### **PPE:**

1. Safety Helmet,
2. Safety Shoe,
3. Safety Hand Gloves.
4. Goggles

#### **TOOLS:**

1. Hydraulic Puller

#### **Hazard Analysis:**

##### **Risk associated:**

Fracture of Hand/Body

##### **Mitigation Measures**

Usage of Packing Cover



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Proper training

#### **Procedure:**

1. Ensure that hydraulic bearing puller is in locking condition with bearing while using for bearing removal.
2. Use correct size supporting rods for proper seating.
3. Use the appropriate size tri-square for removing bearing.
4. Ensure that legs are properly connected to bearing.
5. Use cover for legs after proper seating.
6. Use hands to catch the legs if necessary.
7. Use lifting rod to lift in proper way.
8. After removing the bearing release the hydraulic pressure.
9. Remove all legs & supporting rods by carefully holding it.

#### **Emergency / Emergency Shut OFF:**

1. If any injury is there, give First aid and inform to the Safety department or Call Emergency number 3108/9865152222/9750963761.



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#### Records/Annexure:

JSA as enclosed below.

#### Records/Annexure:

Job Safety Analysis	Job: Usage of motor bearing puller	Date:	Analysis by:	Reviewed by:
Title of employee doing job: Electrician	Supervisor: Sec.Engr	Department:	Section:	Approved by:
Reqd./recommended PPE: Safety shoe, safety helmet, goggle, hand glove				
Sequence of Basic Job Steps	Potential Hazards	Recommended Safe Job Procedure	What Could Go Wrong	Corrective Action
Motor bearing removal using hydraulic puller	Injury to hand while using hydraulic puller.	Follow SOP & Avoid inspection in Operational area	While applying Bearing puller Bearing may broke into pieces and hit to the body	Bearing removal should be done only in Bearing Chamber
	Oil spillage from hydraulic hose / fittings.	Check the hose connections after fixing.	Wrong threads fixing / Hose may have damage	Check the puller hydraulic system and hose before each usage. /



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				Clean the oil spillage and correct the root cause.
	Bearing grease may spill./ Ground contamination	While removal hold the bearing properly.	Grease may slip from bearing housing /	After removal of bearing keep the bearing in tray