



## DALMIA CEMENT (B) LIMITED – ARIYALUR

### MECHANICAL

Issue No. 02	Rev. No: 01	Effective Date: 08.07.2022	SOP/MEC/147
Issued By: M.R		Approved By: HOD-Mechanical	
SOP FOR OR HYDRA OPERATION			

### SOP FOR OR HYDRA OPERATION

**Scope** : This SOP is applicable to Safe working of Mobile crane Operation

**Responsibility** : Operator

**Accountability** : Section Engineer.

#### **PPE:**

1. Safety helmet
2. Safety shoe
3. Safety shoe
4. Safety Belt
5. Nose Mask.
- 6.Asbestos Gloves.

#### **Training needs:**

1. Emergency preparedness
2. Fire Fighting
3. Hydraulic operation

#### **Procedure:**

- 1) Complete the check list and start the Vehicle.
- 2) Remove all chock blocks Under the wheels
- 3) Check for loose objects on Runways or road.
- 4) Hydra operators shall not engage in any other practice that will divert their attention while operating the equipment.
- 5) Operator must make a complete walk around the equipment to ensure that people are clear of the equipment, all nearby are equipment is in a safe distance
- 6) Check for overhead electrical hazards, safe site conditions, weather and excessive wind.
- 7) Check and Verify that ground conditions at work locations are stable and provide adequate support.



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- 8) Put Barricades, warning signs or other methods must be used to prevent entry into a lift area or turn radius of the hydra.
- 9) All controls must be tested by the operator prior to operating the equipment.
- 10) All loads must be rigged by a Qualified Rigger and ensure the load must be made free from connections and fittings. Don't try to pull the load without making free from its fittings
- 11) Don't use tools and tackles without color codification.
- 12) Know the weight of the components before attempt a Lifting. Don't lift unknown Weight or equipment's.
- 13) Don't push or pull the lifting objects by using hydra boom or hook .
- 14) Don't bypass the Safety device installed on the hydra.
- 15) After completion of work remove all Barricades & warning signs from that area.
- 16) Park the hydra always at safe place with wheel chock.
- 17) Ensure Crane unloaded condition before the Rigger attempt to Remove Slings from Crane

#### Emergency / Emergency Shut OFF:

1. If any injury takes place, provide First aid and inform to the Safety department or Call Emergency number 3108/9865152222

#### Records/Annexure:

1. JSA as enclosed below

#### Job Safety Analysis:

Job Safety Analysis	Job: HYDRA OPERATION	Date:28.2.2018	Analysis by: Section Engineer	Reviewed by: Section Head
Title of employee doing job: Technician	Supervisor: Section Engineer	Department: Mechanical	Section: Cement Plant	Approved by: HOD Mechanical
Required/recommended PPE: Safety helmet, Safety shoe, & Safety belt, goggles				



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Sequence of Basic Job Steps	Potential Hazards	Recommended Safe Job Procedure	What Could Go Wrong	Corrective Action
Moving the hydra	Slip / Fall /caught in between	Use proper lifting tools	Failure of lifting tools	Use tested tools Deploy trained manpower.
Operating the hydra	Slip / Fall /caught in between	Use proper lifting tools	Failure of hydraulic components	Use tested tools Deploy trained manpower.
Lifting load	Slip / Fall	Use proper lifting tool	Failure of lifting tools	Use tested tools Deploy trained manpower.