



**DALMIA CEMENT (B) LIMITED – CEMENT PLANT
ARIYALUR
SAFETY DEPARTMENT MANUAL**

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|--|-------------|----------------------------|--------------------|
| Issue No. 02 | Rev. No: 00 | Effective Date: 01.11.2019 | WI-07(PI-14; AM-8) |
| Issued By: M.R | | Approved By: HOD -SAFETY | |
| WORK INSTRUICTION FOR COMPLIANCE WITH STATUTORY TESTING & CERTIFICATION RELATED TO SAFETY | | | |

1.0 PURPOSE

- To comply with statutory requirements
- To eliminate Incident by correcting the defect observed during testing.

2.0 SCOPE:

-Total plant of Dalmia Bharat cement, Ariyalur.

3.0 RESPONSIBILITY:

Section Head (Safety) – coordinating with certifying authorities and HODs.

All HODs – making availability of equipment and men for testing
- to rectify the defects noticed during inspection.

All HODs – Sending Equipment list to safety Dept while implementing the new materials

4.0 Equipment List

1. Mobile/Hydra crane - 03 nos
2. EOT crane - 05 nos
3. Belt conveyor - 82 nos
4. Hydraulic jack - 32 nos
5. chain pully block - 101 nos
6. Wire Rope sling - 167 nos
7. Safety Belt-154 nos
8. Monorail Rope hoist - 11 nos
9. Hydraulic telescope mobile crane- 01 nos
- 10 Truck loader Hoist - 8 nos
11. Rope Pulley - 31 nos
12. Winch machine wire rope sling- 02 nos
13. Winch machine wire rope Pulley- 03 nos
14. Nylon web sling - 36 nos
15. Nylon Rope - 5 nos
16. Truck tippler wire rope sling-4 nos
17. Tippler clamp-04 nos
18. Steel Wire rope - 7 nos
19. Winch machine - 2 nos



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- 20. Pull lift - 4 nos
- 21. Anchor shackle - 2 nos
- 22. Hydraulic jack thrust roller - 01 nos
- 23. Passenger lift - 01 nos
- 24. Passenger and material lift - 04 nos
- 25. Eye bolt - 151 nos
- 26. D-Shackle - 240 nos

5.0 DESCRIPTION:

The details of equipment / personnel to be tested under various Acts and Rules periodically and procedure adopted in Dalmia cement Bharat Ltd, Ariyalur for carrying out the same are as given below:

| S.No. | Item description | Required under which Act / Rules | Parameters | Frequency | Certifying Authority | Organizer/ Responsibility | Records maintained by |
|-------|--|----------------------------------|--|--|--|------------------------------------|-----------------------|
| 1 | Pressure Vessels | F.A. 1948 & TNFR 1950 | i) External ii) Internal a) Hydraulic or b) UST | Once in 6 months Once in 2 years Once in 4 years | Dy Chief Inspector of Factories, Ariyalure | SH (Safety) HOD – Mech | SH (Safety) |
| 2. | Passengers lift | TNFR 1950 | All Safety devices | Every 6 month | Competent person approved by CIF | SH (Safety) | HOD (Safety) |
| 3 | Lifting equipments i) Chain pulley blocks, wire ropes etc. ii) crane & winch | F.A. 1948 & TNFR 1950 | All tests to arrive at reliable conclusion | Once in a year | Competent person approved by CIF | Section Head (Safety) HOD –Mech | Section Head (Safety) |



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| 4 | Buildings | F.A. 1948 & TNFR 1950 | Stability | Once in 3 years | Competent person approved by CIF | Section Head (Safety) HOD –Civil | Section Head (Safety) |
| 5 | Crane operators, signalmen, Fork lift operators | FA 1948 & TNFR 1950 | Eye examination | Once in 2 years | Qualified Ophthalmologist | Section Head (Safety) , Company Medical Officer | Section Head (Safety) |
| 6 | All employees | FA 1948 & TNFR 1950 | Health check up. | Once in 6 months | Company Medical Officer | Section Head (P&A) Section Head (Safety) All HODs | Section Head (P&A) |
| 7 | Safety Belt | F.A. 1948 & TNFR 1990 | Visual & Strength | Once in 6 months | Competent person approved by CIF | Section Head (Safety) HOD – Mech | Section Head (Safety) |

6.0 REFERENCE:

| Sl. No. | Description |
|---------|----------------------------------|
| 1. | The Factories Act, 1948 |
| 2. | Tamil Nadu Factories Rules, 1950 |



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7.0 RECORDS:

| Sl. No. | Description | Format number | Location | Retention period |
|----------------|---------------------------------------|-----------------------------|-------------------------|-------------------------|
| 1 | PV Test Report | R-1/WI-7(PI-14;AM-8) | Safety officer. | 4 Years |
| 2 | Lift Test Report | R-2/WI-7(PI-14;AM-8) | Electrical | 2 Years |
| 3 | Lifting Equipment Test Report | R-3/WI-7(PI-14;AM-8) | Safety Officer | 2 years |
| 4 | Building Stability Certificate | R-4/WI-7(PI-14;AM-8) | Safety Officer | 3 Years |
| 5 | Eye Test Certificate | R-5/WI-7(PI-14;AM-8) | Medical Services | 2 Years |
| 6 | Health Register | R-6/WI-7(PI-14;AM-8) | Medical Services | 2 Years |
| 7 | Safety Belt Test Report | R-7/WI-7(PI-14;AM-8) | Safety Officer | 1 Year |