

KRM LOTO - lockout / tagout

KRM LOTO

KRM CORPORATION

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018
 To meet OSHA'S Lockout Tagout Standard 29 CFR, 1910.147&1910.269

GSTIN No.: 06AAPPW8746Q1Z6,
 PAN No.: AAVPW8746Q
 TIN No.: 06821328889,
 TAN no.: RTKKO3359G
 IEC: 0509006116

M: 00 91 9810 291 381, 8800 544 881



Lock Tag!!

to meet
 OSHA'S Lockout Tagout Standard
 29 CFR, 1910.147&1910.269



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KM Safetech Private Limited
 QUALITY MANAGEMENT SYSTEM ISO 9001:2015

GSTIN No.: 06AAECK2831L1Z1
 PAN No.: AAECK2831L
 TIN No.: 06824000112
 CIN No.: U31903HR2011PTC042508
 IEC: AAECK2831L

Telefax: 00 91 129 4021 381, 413 1381 (D)

✉ Email: info@krmloto.com, info@krmcorporation.com, krmloto@gmail.com

📍 Regd. Office: 1H/31-A, N.I.T, Faridabad-121001 (Haryana) Postal Office: 615, Sector-15-A, Faridabad-121007-Haryana-NCR-INDIA

www.krmcorporation.com | www.lockouttagouts.com | www.krmloto.com | www.locktagindia.com | www.lotoappliances.com

Practice Proper
KRM Lockout / Tagout
Procedures

- Know the steps for applying and releasing lockout/tagout devices
- Understand authorized and effected employees' roles
- Review lockout/tagout procedures annually

K R M
CORPORATION

Mr. Rajinder Wadhes
 M: 00 91 9810 291 381, Ph: 129 413 1381(D) Telefax: 129 4021 381
 Postal Add: 615, Sector-15A, Faridabad - 121007, Haryana, India
 Regd. Office: 1H/31-A, N.I.T, Faridabad - 121001
 Email: info@krmcorporation.com, wadhwaraajinder@gmail.com

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Safety is like a lock
 but you are the key

- SAFETY LOCKOUT SHAP
- ELECTRICAL SHAP
- LABELLED SHAP
- KRM LOCKOUT STEEL SHAP
- LOCKOUT PADLOCKS
- LOCKOUT PADLOCKS
- LOCKOUT TAGS
- HAZARDOUS TAGS
- UNCHANGED TAGS
- PROTECTIVE STATIONS
- CIRCUIT BREAKER LOCKOUT
- LARGE CIRCUIT BREAKER LOCKOUT
- ELECTRICAL LOCKOUT DEVICES
- CABLE LOCKOUT
- MULTIPURPOSE CABLE LOCKOUT
- GATE VALVE LOCKOUT
- BALL VALVE LOCKOUT
- BUTTERFLY VALVE LOCKOUT
- EMERGENCY SWITCH LOCKOUT
- FUSE LOCKOUT
- PLUG CHORD LOCKOUT
- CYLINDER LOCKOUT
- PNEUMATIC LOCKOUT
- LOCKOUT STATION
- TRIPPLAS LOCKOUT STATION
- MINI LUX SWITCH STATION
- TAG STATION
- LOCKOUT KIT
- KEY STORAGE CABINET
- LOCKOUT BOOK
- LOCK OUT SIGNS
- LOCKOUT LABELS
- LOCKOUT POSTERS
- VEHIC LOCKOUT
- LOCK KIT BARRIER
- LOCK OUT BAG & POUCH
- LOCKOUT TRAINING MATERIAL
- ELECTRICAL SAFETY PRODUCTS
- PERSONAL PROTECTIVE EQUIPMENT
- LOGISTIC TOOLS
- SECURITY PRODUCTS
- SAFETY SIGNS
- ROAD SAFETY PRODUCTS

AUDIT

TRAINING

SURVEY

SERVICES

ACCIDENT PREVENTION IS COSTLESS ACCIDENT INVESTIGATION IS COSTLY

Always Remember !

**Somebody's Life is on stake
One wrong move can be disastrous**

**Be extra careful
Follow Lockout / Tagout Procedures**

LOCKOUT / TAGOUT

What is lockout / tagout?

A lockout is a method of keeping equipment from being set in motion and endangering workers.

LOCKOUT / TAGOUT

When should you lock or tag out?

Lockout/tagout is necessary whenever you perform service or maintenance around any machine, valve or electrical circuit where the worker could be injured.

LOCKOUT / TAGOUT

What are the four “E’s”
of lockout / tagout?

Energy

Engineering

Education

Enforcement

LOCKOUT / TAGOUT

WHY IS LO/TO NECESSARY ?

- ◎ IT'S THE RIGHT THING TO DO
- ◎ PROTECT YOUR MOST VALUABLE ASSET,
YOUR EMPLOYEES
- ◎ IT BUILD VALUE IN PROTECTING YOUR BOTTOM-LINE
- ◎ OSHA REGULATORY -- 29CFR - PART 1910.147
- ◎ CONTROL OF HAZARD ENERGY - LOCK OUT/ TAG OUT...
- ◎ IT'S THE LAW

LOCKOUT / TAGOUT

Energy

Lockout / tagout aids in the control of possible movement by kinetic energy or potential energy.

Kinetic energy = force caused by the motion of an object.

Potential energy = force stored in an object that is not in motion.

LOCKOUT / TAGOUT

Engineering

Protective guards or devices to aid against human error.

LOCKOUT / TAGOUT

THE BEAST - ENGERY & TYPES



Mechanical

Electrical

Pneumatic

Fluid and Gases

Hydraulic

Thermal

Steam

Gravity

**Water Under
Pressure**

CARELESSNESS

LOCKOUT / TAGOUT

Education

Procedures must be documented and employees trained in company energy control plan.

LOCKOUT / TAGOUT

Written Procedures

- Procedure Manual - Handbook
- Implement Lockout/Tagout Log Sheet
- Identify equipment that must be locked-out for servicing
- Define affected and authorized personnel
- Review how to perform a shutdown
- Review how to isolate equipment
- Review how to apply and remove lockout devices
- Review how to safety release stored energy

ENFORCEMENT

WARNING: Insure worker compliance.

- ◎ It is up to you to guard all workers and your own life and health by complying with these rules.
- ◎ All authorized and affected employees must be trained in the use of LOCKOUT / TAGOUT devices.

LOCKOUT / TAGOUT

Types of engineered devices offered:

- Wheel valve lockouts
- Ball valve lockouts
- Circuit breaker lockouts
- Electrical lockouts

LOCKOUT / TAGOUT

Types of engineered devices offered:

- Hasps, locks and tags
- Complete lockout stations
- Custom lock modules
- Lockout signs

LOCKOUT / TAGOUT

Preparation for shut down

- Determine type and amount of energy hazards
- Type of control needed

Equipment shut down

- Shut down system
- Follow equipment shut-off procedures

LOCKOUT / TAGOUT

ISOLATE EQUIPMENT

- Install energy isolation devices on equipment
- Make sure all power supplies are turned off

LOCKOUT / TAGOUT

APPLYING LOCKOUT DEVICES

- All energy-isolating devices are to be locked and tagged
- Management must approve all isolating devices
- Use Lockout device if you cannot place lock directly to energy control
- All workers must install their own lock
- Use a hasp when multiple worker locks are needed
- Tags can be used in place of locks
- Tags must be completely filled out

LOCKOUT / TAGOUT

CONTROL OF STORED ENERGY

Make sure any energy left in the equipment is properly isolated.

LOCKOUT / TAGOUT

VERIFY EQUIPMENT ISOLATION

Test any controls of energy switches to see that energy has been properly isolated.

After all steps are completed work may be performed. Once work is completed, follow company procedures for restoring energy to equipment.

LOCKOUT / TAGOUT

SUMMARY

BASIC RULES

1. NOTIFY everyone in the area.
2. REVIEW the entire procedure.
3. IDENTIFY all energy sources.
4. NEUTRALIZE all energy.
5. LOCK OUT OR TAG OUT power.
6. TEST equipment before you start work

LOCKOUT / TAGOUT

THANK YOU

&

THINK SAFETY FIRST!

Contact : -

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Procedures



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KRM CORPORATION
OHSAS 18001:2007 & BS EN ISO 9001 : 2008 CERTIFIED COMPANY
to meet OSHA'S Lockout Tagout Standard 29 CFR, 1910.147&1910.269

Rajinder Wadhwa I M: +91 9810291381, 8800544881 I Skype: rajinderwadhwa

Email:

info@krmcorporation.com, info@krmloto.com, wadhwarajinder@gmail.com

Lockout Tagout & Safety Products Manufacturer, KRM Corporation OUR PRODUCTS

KRM Corporation

Regd. Off. :1H/31-A, N.I.T. Faridabad-Haryana-121001,India I Postal Add.: 615. Sector-15-A, Faridabad-121007.

Telefax: +91 129 402 1381 | Dir.: +91 129 413 1381

Websites:

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