Safety at Jaykaypuram
OH&S Vision

To be a recognized leading company promoting healthy and safe workplace for achieving goal of “Zero Harm”

OH&S Mission

To develop and implement user friendly and effective OH&S Management System that fits to the organization and drive Risk Prevention Culture
# Presentation content

<table>
<thead>
<tr>
<th>SN</th>
<th>CONTENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Safety Policy, Roadmap, Compliance &amp; Public disclosure</td>
</tr>
<tr>
<td>2</td>
<td>Safety performance in the Cement manufacturing, CPP, mines &amp; project site within the plant boundary</td>
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<td>3</td>
<td>Safety performance in Logistics (inbound &amp; outbound)</td>
</tr>
<tr>
<td>4</td>
<td>Safety Best practices in manufacturing &amp; infrastructure created</td>
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<td>Safety Best practices in mines &amp; infrastructure created</td>
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<tr>
<td>6</td>
<td>Safety best practices in Logistics (inbound &amp; outbound) &amp; infrastructure created</td>
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<tr>
<td>7</td>
<td>Replicability of the idea implemented within the sector / outside the sector</td>
</tr>
<tr>
<td>8</td>
<td>Recognition and Awards</td>
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</tbody>
</table>
OH&S Policy and Golden Rules

कर्मचारी के लिए दस महत्वपूर्ण प्रश्न

1. क्या मैं इस कार्य के लिए प्रशिक्षित हूँ? या मैं एक प्रशिक्षित सुपरवाइजर के साथ काम कर रहा हूँ?
2. क्या इस कार्य के लिए एक "सुरक्षित कार्य विधि" बनी है?
3. क्या मेरे पास कार्यस्थल का पूरा ज्ञान है?
4. क्या कार्य के लिए सामान और साधन दिया गया है?
5. क्या उसकी दशा ठीक है?
6. क्या मेरे पास सभी आवश्यक पहनने वाले सुरक्षा उपकरण है?
7. क्या मेरे पास इस कार्य के लिए आधारांकन/परमिट/परमिशन है?
8. क्या कार्य की सुरक्षा को मौसम, कार्य का वातावरण या खाद्य प्रकार प्रभावित करता?
9. क्या मेरे कार्य के द्वारा कोई खतरा उत्पन्न हो सकता है, अथवा मैं दूसरे के कार्य द्वारा खतरे में पड़ सकता हूँ?
10. क्या कार्य का वातावरण स्वास्थ्य के लिए हानिकारक है?

मेरे कार्य को इमरजेंसी उत्पन्न होने पर मैं इमरजेंसी कार्य योजना जानता हूँ?

दिनांक 02 अगस्त 2013

(शुरुआती कुमार वली)
पुरनाकृतिक निदेशक
जे के लक्ष्मी सीमेंट लिट
Safety Management - Roadmap

CFT OF SECTION HEAD

HIRA

TBT

BBS Observation

GAP

Feed forward for Continual improvement

Lack of knowledge

Training & Development

Lack of Resource

Resource allocation

At-Risk Behavior

1. Activate by activator
2. Motivate by consequence

ISO 45001:2018 Clause 6.1.4 & 8.1.2
Safety Management - Roadmap

Identification of Unsafe Act & Condition

1. Consultation with worker at shop floor
2. SC Meeting
3. CFT Meeting
4. DSO Meeting
5. HOD Meeting

Safety visit Mobile app

ISO 45001:2018 Clause 6.1.4 & 8.1.2
Safety Management - Roadmap

Emergency prevention and protection

- On site emergency plan & Mock drill
- Fire Safety Inspection / Audit
- Detection & Alarm system
- Maintaining Emergency handling Equipment in healthy condition

Safety visit
Mobile app

Safety visit
Mobile app & Utilities Inspection Mobile app

RFID tagging & SAP integration

ISO 45001:2018 Clause 6.1.4 & 8.1.2
Safety Management - Roadmap

ISO 45001:2018 Clause 6.1.4 & 8.1.2
Safety Standards

1. Safety manual
2. Fire safety manual
3. Road Safety Booklet
4. First Aid Booklet
5. Golden rules
6. Visitors and business partner safety rules
7. Legal Compliance Manager
8. Contractor Safety Management System
9. Driving Safety Management System

ISO 45001:2018 Clause 6.1.4 & 8.1.2
Safety Standards

10. Lock Out Tag Out System
11. Incidence Investigation System
12. Standard for Machine Guarding
13. Code of practice for electrical safety
14. Onsite Emergency Plan
15. CPR Chart
18. COP & SOP

ISO 45001:2018 Clause 6.1.4 & 8.1.2
Safety Standards

ISO 45001:2018 Clause 6.1.4 & 8.1.2
# Golden Rules

## Golden Health & Safety Rules of JKLCL

<table>
<thead>
<tr>
<th>Rule</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Good Housekeeping and 5S must be maintained all the time</td>
</tr>
<tr>
<td>2</td>
<td>Risk Assessment must be done at job planning stage</td>
</tr>
<tr>
<td>3</td>
<td>Associated Risk and Safety measures must be communicated prior to commencement of Job</td>
</tr>
<tr>
<td>4</td>
<td>Task must be observed to ensure safe practice compliance</td>
</tr>
<tr>
<td>5</td>
<td>All applicable Permit to work system must be adhered to</td>
</tr>
<tr>
<td>6</td>
<td>Isolation and Lock out Procedures must always be followed.</td>
</tr>
<tr>
<td>7</td>
<td>Equipments / Tools / Machineries must always be used safely and properly</td>
</tr>
<tr>
<td>8</td>
<td>Personal Protective Equipment (PPE) rules applicable to a given task must be adhered to at all times.</td>
</tr>
<tr>
<td>9</td>
<td>Do not override or interfere with any safety provision nor allow anyone else to override or interfere with them.</td>
</tr>
<tr>
<td>10</td>
<td>No person may work under the influence of alcohol or drugs.</td>
</tr>
<tr>
<td>11</td>
<td>All injuries and incidents must be reported, must be Investigated; and root causes to be found &amp; corrected</td>
</tr>
</tbody>
</table>

Failure to obey the rules may lead to disciplinary action as per company rules.

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## Dear Visitors and Business Associates

Thank you for complying with the following Safety Rules

- Notify your personal belongings to the Security Officer on duty
  - Take PPE from the Security staff on duty
- Locate your visitor pass in a visible place
  - Follow the pedestrian path and traffic rules
- Enter the Plant process area only with JKLCL employee of that area and knowing about the potential hazards of the area
  - Pay attention to the Safety Signs, caution boards, barricades and other information labels.
- Do not touch moving and rotating parts, cyclones, feed pipes and body of the machines.
  - Do not smoke, consumption of alcohol is prohibited
- Do not override or interfere with any safety provision nor allow anyone else to override or interfere with them
  - Personal Protective Equipment (PPE) rules applicable to a given task must be adhered to at all times
- Isolation and lock-out procedures must always be followed.
  - No person may work if under the influence of alcohol or drugs
- Inform the guide or a person responsible for the given areas in case of noticing any potential danger
  - All injuries and incidents must be reported to 9785455789
- Do not take photos or make recordings with your phone / camera
  - Before leaving the site do not forget to give back the PPE’s and temporary pass and take back your personal belongings
- In case you hear the three consecutive sirens kindly proceed to the emergency assembly point situated at Main Gate
  - Bringing weapons / pointed objects inside the plant is prohibited
- In case of emergency contact at 9785455577 / 9785455788 or 2222, 3000

- Safety is created by the people themselves
- Every employee, visitor and business associate are responsible for working safely
- Accidents don’t just happen, they are caused
- All accidents are preventable

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ISO 45001:2018 Clause 6.1.4 & 8.1.2
# SAFETY ANNUAL PLAN

## SAFETY ACTIVITY ANNUAL PLAN FY 18-19

<table>
<thead>
<tr>
<th>ACTIVITY</th>
<th>APR</th>
<th>MAY</th>
<th>JUN</th>
<th>JUL</th>
<th>AUG</th>
<th>SEP</th>
<th>OCT</th>
<th>NOV</th>
<th>DEC</th>
<th>JAN</th>
<th>FEB</th>
<th>MAR</th>
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<tbody>
<tr>
<td>SAFETY IN SAWING PLANT</td>
<td>CRUSHER #1</td>
<td>CRUSHER #2</td>
<td>CEMENT MILL 1</td>
<td>CEMENT MILL 2</td>
<td>CEMENT MILL 3</td>
<td>CEMENT MILL 4</td>
<td>CEMENT MILL 5</td>
<td>CEMENT MILL 6</td>
<td>CEMENT MILL 7</td>
<td>CEMENT MILL 8</td>
<td>CEMENT MILL 9</td>
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<tr>
<td>SAFETY IN FLY ASH DRIER PLANT</td>
<td>RAW MILL #1</td>
<td>RAW MILL #2</td>
<td>RAW MILL #3</td>
<td>RAW MILL #4</td>
<td>PACKING PLANT UNIT 1</td>
<td>PACKING PLANT UNIT 2</td>
<td>PACKING PLANT UNIT 3</td>
<td>PACKING PLANT UNIT 4</td>
<td>PACKING PLANT UNIT 5</td>
<td>PACKING PLANT UNIT 6</td>
<td>PACKING PLANT UNIT 7</td>
<td>PACKING PLANT UNIT 8</td>
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<tr>
<td>SAFETY IN COAL MILL</td>
<td>COAL MILL 1</td>
<td>COAL MILL 2</td>
<td>COAL MILL 3</td>
<td>COAL MILL 4</td>
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<td>COAL MILL 7</td>
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<td>COAL MILL 9</td>
<td>COAL MILL 10</td>
<td>COAL MILL 11</td>
<td>COAL MILL 12</td>
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</tbody>
</table>

### 1. SAFETY INSPECTION

- **PRE CRUSHER**
  - CRUSHER #1
  - CRUSHER #2
  - CEMENT MILL 1
  - CEMENT MILL 2
  - CEMENT MILL 3
  - CEMENT MILL 4
  - CEMENT MILL 5
  - CEMENT MILL 6
  - CEMENT MILL 7
  - CEMENT MILL 8
  - CEMENT MILL 9
  - CEMENT MILL 10

- **CONE MILL**
  - CONE MILL 1
  - CONE MILL 2
  - CONE MILL 3
  - CONE MILL 4
  - CONE MILL 5
  - CONE MILL 6
  - CONE MILL 7
  - CONE MILL 8
  - CONE MILL 9
  - CONE MILL 10

- **PUMP HOUSE**
  - PUMP HOUSE 1
  - PUMP HOUSE 2
  - PUMP HOUSE 3
  - PUMP HOUSE 4
  - PUMP HOUSE 5
  - PUMP HOUSE 6
  - PUMP HOUSE 7
  - PUMP HOUSE 8
  - PUMP HOUSE 9
  - PUMP HOUSE 10

### 2. UTILITIES SAFETY DSP

- **TRANSFORMER PLANT & T relevant to the list.

### 3. WORK PLACES MONITORING

- **DUST**
  - DUST
  - DUST
  - DUST
  - DUST
  - DUST
  - DUST

- **NOISE**
  - NOISE
  - NOISE
  - NOISE
  - NOISE
  - NOISE
  - NOISE

- **Illumination**
  - ILLUMINATION
  - ILLUMINATION
  - ILLUMINATION
  - ILLUMINATION
  - ILLUMINATION
  - ILLUMINATION

### 4. MACHINERY DRILLS

- **Fire Drill**
  - FIRE DRILL
  - FIRE DRILL
  - FIRE DRILL
  - FIRE DRILL
  - FIRE DRILL
  - FIRE DRILL

### 5. SAFETY TRAINING

- **Fire Safety**
  - FIRE SAFETY
  - FIRE SAFETY
  - FIRE SAFETY
  - FIRE SAFETY
  - FIRE SAFETY
  - FIRE SAFETY

- **Permit To Work System & LOTO**
  - PERMIT TO WORK SYSTEM & LOTO
  - PERMIT TO WORK SYSTEM & LOTO
  - PERMIT TO WORK SYSTEM & LOTO
  - PERMIT TO WORK SYSTEM & LOTO
  - PERMIT TO WORK SYSTEM & LOTO
  - PERMIT TO WORK SYSTEM & LOTO

### 6. CONTRACTOR SAFETY TRAINING

- **SIT FILED**
  - SIT FILED
  - SIT FILED
  - SIT FILED
  - SIT FILED
  - SIT FILED
  - SIT FILED

### 7. CONTRACTOR AUDIT

- **CIVIL CONTRACTOR AUDIT**
  - CIVIL CONTRACTOR AUDIT
  - CIVIL CONTRACTOR AUDIT
  - CIVIL CONTRACTOR AUDIT
  - CIVIL CONTRACTOR AUDIT
  - CIVIL CONTRACTOR AUDIT
  - CIVIL CONTRACTOR AUDIT

### 8. CONTRACTOR SAFETY TRAINING

- **SIT FILED**
  - SIT FILED
  - SIT FILED
  - SIT FILED
  - SIT FILED
  - SIT FILED
  - SIT FILED

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ISO 45001:2018 Clause 6.1.4 & 8.1.2
# SAFETY ANNUAL PLAN

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<tr>
<td>10</td>
<td>Driving Safety Audit</td>
<td>Inspection of trucks on weekly basis &amp; thorough report sent to DGM (Sales)</td>
<td>Inspection of trucks on weekly basis &amp; thorough report sent to DGM (Sales)</td>
<td>Inspection of trucks on weekly basis &amp; thorough report sent to DGM (Sales)</td>
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<td>LOTO Implementation</td>
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<td>Transformer PP</td>
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<td>CSP</td>
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<td>Fire Pump</td>
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<td>22</td>
<td>Fire Load Assessment As Per Annexure B</td>
<td>PACKING PLANT</td>
<td>CEMENT MILL</td>
<td>CEMENT MILL</td>
<td>KILN &amp; COAL MILL</td>
<td>KILN &amp; COAL MILL</td>
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<td>RAW MILL</td>
<td>CRUSHER</td>
<td>CMP &amp; COAL GANTRY</td>
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<td>23</td>
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<td>FIRE SERVICE WEEK</td>
<td>ROAD SAFETY WEEK</td>
<td>NATIONAL SAFETY MONTH</td>
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<td>ROAD SAFETY WEEK</td>
<td>NATIONAL SAFETY MONTH</td>
</tr>
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</table>

**ISO 45001:2018 Clause 6.1.4 & 8.1.2**
Safety Department KRA

Key Result Area

Daily Activity Log
Safety Daily Report For The Date 16.07.2018

<table>
<thead>
<tr>
<th>S No</th>
<th>KRA/ACTUAL STATUS</th>
<th>TARGET</th>
<th>Target up-to</th>
<th>Completed up-to</th>
<th>% Cmp</th>
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<td>MEETING WITH CFT</td>
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<td>70</td>
<td>66,000</td>
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Determination of legal requirements and other requirements

ISO 45001:2018 Clause 6.1.3
Public Disclosure

Health and Safety

In the contemporary industrial setup, the modern day corporation is said to have a moral as well as a legal responsibility to look after the health and safety of its employees. The idea is to promote and maintain the physical, mental, and social well-being of its workers to the highest degree, so as to improve workplace efficiency and output. At JK Lakshmi Cement Ltd., we strive to provide a safe environment and fruitful opportunities to our workforce to undertake productive and meaningful work. By incorporating the fundamentals of Occupational Health and Safety (OHS) among our corporate responsibilities, we intend to enhance our business performance in a sound and responsible manner.

Health and safety is one of the key dimensions of the corporate sustainability umbrella of JK Lakshmi Cement Ltd. We believe that by establishing good Health and Safety practices in the workplace, a business is likely to have a higher number of motivated and productive employees, lower absenteeism rates, fewer business disruptions and lower outflow of contingency costs. At JK Lakshmi Cement Ltd., ensuring health and safety considerations is the responsibility of not only various unit safety committees, but also of each and every employee.
Our Safety Vision – Vision Zero

In order to minimise the risks associated with a hazard, it is important to introduce effective prevention and mitigation measures. Our “Vision Zero” strategy promotes a culture of prevention of hazards and adds commitment to safety for all employees at the workplace. Through incorporation of the belief that no single accident is acceptable, this philosophy provides a basis for taking preventive measures, learning from accidents, and improving processes to avoid accidents in the future. For safe execution of operations at the workplace, the company has implemented the following control measures:

- Management Controls, which include strategy formulation and development of risk mitigation measures for ensuring health and safety in different domains of manufacturing operations. All manufacturing units under the reporting boundary are certified under OHSAS 18001.

We have also formulated a companywide OHS policy which lays out guidelines and safety norms for all employees, permanent and contractual workers, and other agencies involved in the process. The management is also involved in the continuous monitoring and assessment of OHS risks and corresponding measures of elimination or reduction.

- The company’s Board of Directors reviews the safety performance of each manufacturing unit on a quarterly basis for assessment of performance and compliance.

- Operational Controls, which essentially comprise training and awareness programs for employees and contractors, regarding various aspects of safety in manufacturing operations. Our units conduct regular safety audits of different plant sections by cross-functional teams comprising employees from different departments to ensure compliance to standards and efficiency in operations.

- Safety of our employees and fundamental importance to our organization. At JK Lakshmi Cement Ltd., we have constituted safety committees across all our units, comprising equal representation from management as well as non-management staff members. These committees are responsible for overseeing the safety of employees and their general physical, mental, and social well-being. 100% of our workforce across all units is represented in the safety committees. The composition of these committees across various units is as under:

<table>
<thead>
<tr>
<th>Location</th>
<th>Name of the Committee</th>
<th>Level of the committee</th>
<th>Non-management Membership</th>
<th>Management Membership</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sirohi</td>
<td>Apse Safety Committee</td>
<td>Plant Level</td>
<td>33</td>
<td>33</td>
</tr>
<tr>
<td>Dung</td>
<td>Apse Safety Committee</td>
<td>Plant Level</td>
<td>16</td>
<td>16</td>
</tr>
<tr>
<td>Kadal</td>
<td>Plant Safety Committee</td>
<td>Plant Level</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Nashik</td>
<td>KSR Committee</td>
<td>-</td>
<td>-</td>
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<td>KSR Committee</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Best Practices – Innovating Safety

SAP Integrated Behaviour Based Safety (BBS)

JK Lakshmi Cement Ltd. has created a comprehensive safety partnership between its management and employees through the incorporation of SAP Integrated Behaviour Based Safety (BBS) system at Mother Unit Sirohi. The BBS system provides a platform to management for interpretation, exchange, and dissemination of information pertaining to safety performance of the company’s employees. Through integration with the organisational SAP system, BBS has facilitated accessibility of data and its communication across different channels in the organisation, simultaneously enabling us to take better strategic decisions.

- Incident Management: Incident Management is a module within the SAP BBS system, which helps track and manage incidents, such as near misses, accidents, and violations. It provides information on the status of each incident, including investigation results, corrective actions, and follow-up activities. This module allows users to view the status of incidents and take appropriate action.

- Risk Management: The Risk Management module in the SAP BBS system provides a comprehensive approach to identify, assess, and manage risks. It allows users to create risk assessment forms, assign risks to individuals, and track the progress of risk mitigation actions. The module also facilitates the reporting of risks to senior management for review and approval.

- Communication: The SAP BBS system promotes effective communication among employees, managers, and stakeholders. It enables users to share best practices, lessons learned, and safety advice, fostering a positive safety culture.

- Performance Management: The Performance Management module in the SAP BBS system monitors and evaluates the safety performance of employees and the organisation as a whole. It provides detailed reports that help identify areas for improvement and track progress over time.

In order to comprehensively capture all unsafe conditions at the workplace, JK Lakshmi Cement Ltd. has developed a mobile application for reporting of such instances. Employees can install this application on their smart phones, capture photographs of the dangerous work circumstances, and communicate its details directly to their respective line departments. In turn, the concerned HOD reviews the case and designates the responsibility of rectification of the issue to respective Section Heads. The Section Head further coordinates with concerned team members to address the issue and restore safe operations within a stipulated time frame. This feature leads to rapid circulation of information to the responsible personnel and ensures prompt action and continued safety interventions.
Public Disclosure

In order to promote a culture of safety across all departments at our
manufacturing units, the Plant Safety Officer delivers a daily on-site
Toolbox Talk prior to commencement of operations. The officer
provides various guidelines about the safe use of tools and machinery.
This also gives a platform to employees to
raise their concerns regarding any
issues which might persist in the
operations. We also use safety
procedure known as ‘Look Before
Latch Out’ to ensure safety for
machinery to prevent accidents.
This fact sheet lays emphasis
in daily operations as well as
promote our maintenance and
mainstreaming of machinery.

We have also established a
Safety Park at all our
manufacturing units. Safety
related pictures and information
are portrayed in these galleries
through various posters and
drawings on display. At these
events, new starters undergoes
a safety training sessions under
which they are
familiarised to the use of
Personal Protective Equipment.
New starters are also given
certificates and personalise activity plans
and submit to respective
 hacen and Personal Protective Equipment.
training is conducted for working
at height and with other plant
machinery and equipment. An
example of our commitment to
reduce injury rate can be witnessed
in these posters, as they are
constructed using discounted
and second-hand materials.

Creating awareness in the society
is an integral part of our
sustainability in health and safety
of our workforce. We strive to
increase societal awareness towards
safe work and change habits through
involvement of young school students
and residents of nearby villages in
various celebration activities such as
‘Road Safety Week’, ‘Women Safety
Week’, among others.

We at JK Lakshmi Cement Ltd. have
provided necessary security at facilities
to ensure the well-being of
our employees. Our Steel and Brgan
units have medical centre equipped
with facilities for X-ray, Electro Cardio
Graph (ECG), and Blood Analysis,
among others. Our Steel units also
have a Psychological Centre for
addressing Occupational Health, and
Cardiopulmonary problems. This
establishment is 24 hour service, and
also has ambulance facility. Our units at Steel and Brgan are
equipped with first aid facilities, to
facilitate immediate need. Any cases
requiring further medical attention
are referred to nearest hospitals.

Consumer consciously the safety
protection to avoid the problems
while working with it, potential health
issues, and recommended safety
 measures. This serves as a valuable
tool for customers to ensure safe and
necessity use of our products.
## PERFORMANCE

<table>
<thead>
<tr>
<th>SN</th>
<th>ACTIVITY</th>
<th>OUTCOME</th>
<th>FY-16</th>
<th>FY-17</th>
<th>FY-18</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Safety Audit</td>
<td>UC eliminated</td>
<td>1180</td>
<td>1257</td>
<td>848</td>
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<tr>
<td>2</td>
<td>Fire Audit</td>
<td>UC eliminated</td>
<td>105</td>
<td>90</td>
<td>40</td>
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<tr>
<td>3</td>
<td>Safety committee meeting</td>
<td>Safety suggestions implemented</td>
<td>126</td>
<td>238</td>
<td>173</td>
</tr>
<tr>
<td>4</td>
<td>Safety training (Man Hour)</td>
<td>Increase in safety awareness</td>
<td>13139</td>
<td>14465</td>
<td>14062</td>
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<tr>
<td>5</td>
<td>Fire service week</td>
<td>Fire Safety Awareness</td>
<td>470</td>
<td>733</td>
<td>1216</td>
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<tr>
<td>6</td>
<td>Road Safety Week</td>
<td>Traffic safety awareness</td>
<td>1176</td>
<td>1894</td>
<td>1881</td>
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<tr>
<td>7</td>
<td>National Safety Month</td>
<td>Awareness and review</td>
<td>1631</td>
<td>1513</td>
<td>1329</td>
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<td>8</td>
<td>Near Miss</td>
<td>UA / UC eliminated</td>
<td>592</td>
<td>748</td>
<td>653</td>
</tr>
<tr>
<td>9</td>
<td>BBS observation</td>
<td>UA / UC eliminated</td>
<td>230</td>
<td>74</td>
<td>24</td>
</tr>
</tbody>
</table>

Leading indicator
## PERFORMANCE

<table>
<thead>
<tr>
<th>Year</th>
<th>Number of Reportable Accident</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>0</td>
</tr>
<tr>
<td>2017</td>
<td>0</td>
</tr>
<tr>
<td>2018</td>
<td>1</td>
</tr>
</tbody>
</table>

Lagging indicator
Safety Best Practices
(Behaviour Based Safety Management Module in SAP)

SAFETY KRA ASSIGNMENT BY HOD
HIRA BY Section Head & APPROVAL BY HOD
Pre Job safety briefing of HIRA by Shift Engineer (TBT)

On the Job Safety observation by Shift Engineer
Continual Improvement plan w.r.t. BBS analysis report
Near Miss Reporting and implementation of action plan

Implemented in July 2014 – till date 2126 recommendations implemented

ISO 45001:2018 Clause 6.1.4 & 8.1.2
Safety Best Practices
(Safety Visit Mobile App)

Implemented in Aug 2016 – till date 938 recommendations implemented
Safety Best Practices
(Safety Inspection Module in SAP)

SAFETY INSPECTION MODULE DEVELOPED IN SAP FOR 100% INSPECTION ON 13 INSPECTION CRITERIA WITH ACTION PLAN AND COMPLETION MONITORING SYSTEM

Sep 2016 – all 1265 equipments mapped floor wise – till date 1011 UC rectified
Safety Best Practices
(Utilities Safety Inspection Mobile App)

Open the App and login using ESS id and password

Click on Utilities Safety Inspection

Enter planner group SAF / MIN and select the Utility Equipment

Carry out inspection w.r.t. checkpoints and enter status, measurement value & observation remark

Execution & Completion date entry

Action plan & Target date entry

Auto Mail

Implemented in Sep 2016 – 1241 equipment mapped & till date 189 UC rectified
POTENTIAL EMERGENCY & EMERGENCY RESPONSE

JK Lakshmi Cement Limited
EMERGENCY PREPAREDNESS PLAN
(303-14001 & 080-60901)
JK Lakshmi Cement Limited
PO: Jaykaypuram- 307019
Dist. Sirohi (Rajasthan)
INDIA

FIRE STATION

FIRE HOSE REEL NO:1

JK LAKSHMI CEMENT LTD
Fire Safety Best Practices
(RFID Tagging & online real time data update)

Implemented in April 2015; increased the work efficiency by 200 % & higher accuracy
Mines Safety– Best Practice
(Dust control)

Centrifugal dust collector replaced with bag house in Mines Drilling Machine.

Eliminated need of Manual cleaning “Zero dust exposure”

WATER SPRINKLING ON HAUL ROADS

VACCUME SWEEPING

Water Mist system at crusher dump hopper.
Mines Safety – Best Practice
(Engineering control in dumper)

- Rear View Camera
- Auto Fire suppression system
- Front PROXIMITY SENSOR
- Down hill speed control & Hill hold system
- Advanced Emergency braking system
- Rear PROXIMITY SENSOR
- Front Blind spot camera
Mines Safety—Best Practice (Silicosis prevention)

Screening of films on Respiratory protection
Mines Safety – Best Practice
(Silicosis prevention)

Awareness session on Silicosis to employees
Mines Safety– Best Practice
(Silicosis prevention)

Awareness session on Silicosis in nearby village
Competency development – Best Practice (LEARNING PORTAL)

10.10.5.4/elearning
LOG IN

Topic selection

Learning Implementation Plan

Study & e-note
Competency development – Best Practice
(LEARNING PORTAL & KIOSK)

- LOG IN
- LANGUAGE SELECTION
- TOPIC SELECTION
- ONLINE TEST
- FILM SCREENING
- CERTIFICATE GENERATION

10.10.5.4/kiosk

For English Press

For Hindi Press

Total NO. of Question: 10

S.No

1. पीली ट्रैफिक लाइट के जलने एवं बुझाने का अर्थ है -
   a) हरी लाइट जलने तक वाहन को रोके |
   b) वाहन को रोककर सावधानी से आगे बढ़े |
   c) वाहन की गति कम करके सावधानी से आगे बढ़े |
   d) वाहन की गति बढ़ाकर सावधानी से आगे बढ़े |

This is to certify Shri SUJEEt KUMAR SINGh (112637) of PERSONNEL & ADMIN. Department has successfully completed the Safety E-learning course on Driving Safety on 07/11/2017 and has secured 100 % marks.

Certificate of Appreciation

JK LAKSHMI CEMENT LTD.
Competency development – Best Practice
(Customized Safety Animation Films)

Visitor Safety Induction Video

Driving Safety animation Video

Mines Safety animation Video
Tool box talk (Pre-job safety briefing)
Pre monsoon safety – Mass awareness
Behavior based safety observation

<table>
<thead>
<tr>
<th>No.</th>
<th>Item Description</th>
<th>Action Taken</th>
<th>Frequency</th>
<th>Status</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Unsafe Behavior</td>
<td>Corrected</td>
<td>Daily</td>
<td>Safe</td>
<td>Remarks</td>
</tr>
<tr>
<td>2</td>
<td>Incorrect PPE</td>
<td>Replaced</td>
<td>Weekly</td>
<td>Safe</td>
<td>Remarks</td>
</tr>
<tr>
<td>3</td>
<td>Distracted Worker</td>
<td>Warned</td>
<td>Monthly</td>
<td>Safe</td>
<td>Remarks</td>
</tr>
</tbody>
</table>

**Formula:**

Safeguard = (Standard - Current) / Standard * 100
On the job safety observation by HOD
Safe execution of High Risk Job
Safe execution of High Risk Job

Execution of job with lifting plan; proper rigging and monitoring with CCTV camera
Safe execution of High Risk Job

Execution of job with lifting plan; proper rigging and monitoring with CCTV camera
Safe execution of High Risk Job

Execution of job with SRP System
### VISITOR INSTRUCTION

<table>
<thead>
<tr>
<th>Instruction 1</th>
<th>Instruction 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>कृपया आगमन पर सुरक्षा अधिकारी को सुचित करें एवं अधिकृत गेट पास बनवायें।</td>
<td>कृपया वर्जित स्थान पर, कंपनी के कर्मचारी के साथ ही प्रवेश करें।</td>
</tr>
<tr>
<td>कृपया असुविधा से बचने के लिए सम्बंधित व्यक्ति से पूर्वानुमति प्राप्त करें तथा विजीटर रूप से PPE प्राप्त करें।</td>
<td>कृपया परिसर से निकलते समय अपना गेट पास एवं व्यक्तिगत बचाव उपकरण (PPE) सुरक्षा अधिकारी को लौटा दें।</td>
</tr>
<tr>
<td>कृपया अपने व्यक्तिगत सामान की सूचना सुरक्षा अधिकारी को दे और इन्हें गेट पर सूचीबद्ध करें।</td>
<td>कृपया आपातकालीन स्थिति में निकलतम एकत्र होने के स्थान पर पहुँचें।</td>
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<tr>
<td>कृपया अपने पहचान विनो को परिसर के अन्दर खा प्रदर्शित करें।</td>
<td>कृपया आपातकालीन/सहायता में संपर्क करें - ☎️ 2222, 3306, 9785455577</td>
</tr>
</tbody>
</table>

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*JK Lakshmi Cement Ltd.*
Display at Mines Gate

VISITOR INSTRUCTION

- कृपया आगमन पर सुरक्षा अधिकारी को सुनिश्चित करें एवं अधिकृत गेट पास बनवायें।
- कृपया वर्तमान स्थान पर, कम्पनी के कर्मचारी के साथ ही प्रवेश करें।
- कृपया असुविधा से बचने के लिए सम्भंधित दृष्टिकोण से पूर्वानुमान द्वारा प्राप्त प्राप्त करें।
- कृपया परिसर से निकलते समय अपना गेट पास एवं व्यक्तिगत बचाव उपकरण (PPE) सुरक्षा अधिकारी को लीजिए।
- कृपया अपने व्यक्तिगत सामान की सूचना सुरक्षा अधिकारी को दे और इन्हें गेट पर सूचीबद्ध करें।
- कृपया आपातकालीन स्थिति में निकलतम एकत्र होने के स्थान पर पहुंचें।
- कृपया अपने पहचान बिन्ह को परिसर के अंदर रखा प्रदर्शित करें।

खदान परिसर में अनाधिकृत व्यक्ति एवं वाहन का प्रवेश वर्जित है।
Activators for Safe Behavior
Activators for Safe Behavior

सुरक्षा पहले
जीवन के कुछ उसुर है

सुरक्षा उतनी से मूर्त है

सोचिये

रहे सुरक्षित आप,
रहे सुखी निजी परिवार
Activators for Safe Behavior

क्रियाएँ अगर असुरक्षित हों, तो दुर्घटनाओं का कारण बनती है।
Activators for Safe Behavior
Activators for Safe Behavior

GOOD HOUSEKEEPING
PROMOTES SAFETY
DO YOUR PART... PICK UP - CLEAN UP

QUALITY and SAFETY
go hand - in - hand
Right the First Time
Safety Every Time

A Safe Employee is a Happy Employee
Be Safe Be Happy
Activators for Safe Behavior

- Safety belt must be used in all situations.
- Anchor point must be strong.
- Do not use worn or damaged belts.
- Anchor points must be fixed firmly.
- Safety belt should be used for all work on the platform.
Activators for Safe Behavior
Activators for Safe Behavior
Training for Senior Management team
Awareness session for transporters
Safety Committee Meeting
Scaffolding training
Safety campaign inaugural address
Safety Campaign

1. Road Safety Week
2. National Safety Month
3. Fire service Week
Safety promotional activity by contractor
Emergency Response Group Meeting
Emergency Mock drill
Emergency Mock drill
First Aid Training
Suraksha Janki – Republic day
Suraksha Janki – Republic day
Pedestrian Path
PPE Booth for Truck Drivers
Traffic sign display at LPSS
Safety Awareness test at LPSS
Safety Awareness trg in nearby school
Acknowledgements

1. “Safety Management System of JK Lakshmi Cement is most innovative system” - Shri Gopalkrishna PB Sr. President (Manufacturing) Ramco Cements Limited - QCFI National Conclave held at HICC Hyderabad.

2. “I have not seen such an innovative system in my life” – Shri PR Kumar; CEO BSES Yamuna Power Delhi - International Safety Convention organized by The Institution of Engineers (India) at New Delhi.

3. “I had visited about 5000 companies but haven’t seen such robust system for fire and safety Management” – Shri A. V. V. Gopal Rao; Country Head Reliance Risk Services - at the time of HAZOP study.

4. RFID tagging system for monitoring and maintaining fire fighting equipments is innovative and unique. I have never seen such a robust system – Dr. Vinod Kumar Jain Managing Director M/s Vexil Business Processes Services Private Limited - IMS Re-certification audit concluding function.

5. Appreciated by the distinguished auditors of National Safety Council of India during statutory safety audit which is conducted bi-annually for cement plant and annually for TPP.
4. Safety system Excellence award - 2013 from FICCI
Thank you!